Atatürk Universty
Faculty of Medicine

Pre-Graduate Medical Education
4th - 5th year
Clerkship Guidebook

	Temel Tıp Bilimleri Dönemi		Klinik Tıp Bilimleri Dönemi				Aile Hekimliği Dönemi	
	I. II. ve III. SINIF		IV. SINIF		V. SINIF		VI. SINIF	
	Başlangıç	Bitiş	Başlangıç	Bitiş	Başlangıç	Bitiş	Başlangıç	Bitiş
I. Yarıyıl	21.09.2026	15.01.2027	31.08.2026	15.01.2027	17.08.2026	15.01.2027	01.07.2026	30.06.2027
Yarıyıl Tatili	16.01.2027	31.01.2027	16.01.2027	31.01.2027	16.01.2027	31.01.2027		
II. Yarıyıl	01.02.2027	11.06.2027	01.02.2027	02.07.2027	01.02.2027	14.05.2027		
Yılsonu Sınavları	28.06.2027	02.07.2027						
Bütünleme Sınavları	19.07.2027	23.07.2027	19.07.2027	06.08.2027	31.05.2027	18.06.2027		

KURUMLAR ARASI YATAY GEÇİŞ (AGNO) İLE	Başlangıç	Bitiş
Yatay Geçişe Müracaat	20.07.2026	22.07.2026
Yatay Geçiş Sonuçların İlanı	07.08.2026	
Asıl Liste Kayıt Tarihi	10.08.2026	12.08.2026
Yedek Liste Kayıt Tarihi	17.08.2026	19.08.2026

ATATÜRK UNIVERSITY FACULTY OF MEDICINE
GRADUATE QUALIFICATIONS

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NATIONAL COMPETENCIES AND PROFICIENCIES OF POSTGRADUATE STUDENTS OF ATATÜRK UNIVERSITY FACULTY OF MEDICINE

1. BASIC COMPETENCE AREA / Professional Practices	
COMPETENCE 1. Healthcare Provider	
1.	Integrates the knowledge, skills and attitudes acquired from basic and clinical medical sciences, behavioral sciences and social sciences and uses them in healthcare provision.
2.	Shows a biopsychosocial approach in patient management, which takes into consideration the socio-demographic and socio-cultural background of the individual, regardless of language, religion, race and gender.
3.	In the provision of health care, he/she prioritizes protecting and improving the health of individuals and society.
4.	Taking into account the individual, social, and environmental factors affecting health, he/she performs the necessary studies to maintain and improve the health condition.
5.	By recognizing the characteristics, needs and expectations of the target audience, he/she provides health education to healthy / sick individuals and their relatives and other health professionals.
6.	Demonstrates a safe, rational and effective approach in health service provision, protection, diagnosis, treatment, follow-up and rehabilitation processes.
7.	Performs interventional and / or non-invasive practices safely and effectively for the patient in diagnosis, treatment, follow-up and rehabilitation processes.
8.	Provides health services by considering patient and employee health and safety.
9.	In healthcare delivery, it considers both the regional and global physical and socioeconomic environment changes affecting health, as well as changes in the individual characteristics and behaviors of those applying to it.

2. BASIC COMPETENCE AREA / Professional Values and Approach	
COMPETENCE 2. Adopting Professional Ethics and Professional Principles	
10.	When conducting the profession, he/she considers good medical practices.
11.	Fulfills his/her duties and obligations within the framework of ethical principles and rights and legal responsibilities required by teh profession.
12.	Considering the integrity of the patient, he/she shows decisive behaviors in providing high quality health care.
13.	Evaluates the performance, emotions and cognitive characteristics of his professional practices by considering them.
COMPETENCE 3. Health Advocate	
14.	Advocates to improve health service delivery by considering the concepts of social reliability and social responsibility for the protection and development of public health.
15.	Can plan and implement individual and community health service delivery, training and consultancy processes in cooperation with all components for health protection and development.
16.	Evaluates the impact of health policies and practices on individual and community health indicators and advocates improving the quality of health services.
17.	The physician attaches importance to protecting and improving his/her physical, mental and social health and does whatever is necessary for this.
COMPETENCE 4. Leader-Manager	
18.	Demonstrates exemplary behavior and leads within the healthcare team during service delivery.

19.	In the health institution he/she manages and uses resources in the planning, implementation and evaluation processes of health services cost-effectively, in accordance with the benefit of the society and the legislation.
COMPETENCE 5. Team Member	
20.	Communicates positively within the healthcare team with which it provides services and assumes different team roles when necessary.
21.	It is aware of the duties and obligations of the healthcare professionals in the healthcare team and acts accordingly.
22.	Works in harmony and effectively with colleagues and other professional groups in their professional practices.
COMPETENCE 6. Communicator	
23.	Communicates effectively with patients, relatives, healthcare professionals and other professional groups, institutions and organizations.
24.	Communicates effectively with individuals and groups that require special approach and have different sociocultural characteristics.
25.	In the diagnosis, treatment, follow-up and rehabilitation processes, it shows a patient-centered approach that shares the patient with decision-making mechanisms.

3. BASIC COMPETENCE AREA / Professional and Individual Development	
COMPETENCE 7. Demonstrating Scientific and Analytical Approach	
26.	Plans and implements scientific research, where necessary, for the population he/she serves and uses the results obtained and / or other research results for the benefit of society.
27.	Reaches the current literature information about his profession and evaluates critically
28.	Applies the principles of evidence-based medicine in the clinical decision making process.
29.	Uses information technologies to increase the effectiveness of their studies on healthcare, research and education.
COMPETENCE 8. Lifelong Learning	
30.	Effectively manages individual work processes and career development.
31.	Demonstrates the skills to acquire, evaluate, integrate with existing information, apply to professional situations and adapt to changing conditions throughout his professional life.
32.	Selects the right learning resources and organizes his/her own learning process to improve the quality of the health service he/she offers.

2026 – 2027 EDUCATION YEAR 4th GRADE ACADEMIC CALENDAR

	31.08.2026 - 23.10.2026	26.10.2026 - 18.12.2026	21.12.2026 - 15.01.2027	16.01.2027– 31.01.2027 YARIYIL TATİLİ	01.02.2027 - 26.02.2027	01.03.2027 - 30.04.2027	03.05.2027 - 02.07.2027
Pediartics	**4İ1/A-B, 4İ2/A-B**	**4T1/A-B, 4T2/A-B**	**4T3/A-B**		**4T4/A-B**	**4T5/A-B, 4T6/A-B**	**4T7/A-B, 4T8/A-B**
General Surgery	**4T7/A-B, 4T8/A-B**	**4İ1/A-B, 4İ2/A-B**	**4T1A-B**		**4T2/A-B**	**4T3/A-B, 4T4/A-B**	**4T5/A-B, 4T6/A-B**
Internal Medicine	**4T5/A-B, 4T6/A-B**	**4T7/A-B, 4T8/A-B**	**4İ1/A-B**		**4İ2/A-B**	**4T1/A-B, 4T2/A-B**	**4T3/A-B, 4T4/A-B**
Obstetrics and Gynecology	**4T3/A-B, 4T4/A-B**	**4T5/A-B, 4T6/A-B**	**4T7/A-B**		**4T8/A-B**	**4İ1/A-B, 4İ2/A-B**	**4T1/A-B, 4T2/A-B**

	31.08.2026 11.09.2026	14.09.2026 25.09.2026	28.09.2026 09.10.2026	12.10.2026 23.10.2026	26.10.2026 06.11.2026	09.11.2026 20.11.2026	23.11.2026 04.12.2026	07.12.2026 18.12.2026	21.12.2026 31.12.2026	04.01.2027 15.01.2027	16.01.2027– 31.01.2027 YARIYIL TATİLİ	01.02.2027 12.02.2027	15.02.2027 26.02.2027	01.03.2027 19.03.2027	22.03.2027 02.04.2027	05.04.2027 16.04.2027	19.04.2027 30.04.2027	03.05.2027 14.05.2027	24.05.2027 04.06.2027	07.06.2027 18.06.2027	21.06.2027 02.07.2027
Physical Medicine and Rehabilitation	**4T1A**	**4T2B**	**4T2A**	**4T1B**	**4T3A**	**4T4B**	**4T4A**	**4T3B**	**4T5A**	**4T6B**		**4T6A**	**4T5B**	**4T7A**	**4T8B**	**4T8A**	**4T7B**	**4İ1A**	**4İ2B**	**4İ2A**	**4İ1B**
Pediatric Surgery	**4T1B**	**4T1A**	**4T2B**	**4T2A**	**4T3B**	**4T3A**	**4T4B**	**4T4A**	**4T5B**	**4T5A**		**4T6B**	**4T6A**	**4T7B**	**4T7A**	**4T8B**	**4T8A**	**4İ1B**	**4İ1A**	**4İ2B**	**4İ2A**
Radiology	**4T2A**	**4T1B**	**4T1A**	**4T2B**	**4T4A**	**4T3B**	**4T3A**	**4T4B**	**4T6A**	**4T5B**		**4T5A**	**4T6B**	**4T8A**	**4T7B**	**4T7A**	**4T8B**	**4İ2A**	**4İ1B**	**4İ1A**	**4İ2B**
ELECTIVE	**4T2B**	**4T2A**	**4T1B**	**4T1A**	**4T4B**	**4T4A**	**4T3B**	**4T3A**	**4T6B**	**4T6A**		**4T5B**	**4T5A**	**4T8B**	**4T8A**	**4T7B**	**4T7A**	**4İ2B**	**4İ2A**	**4İ1B**	**4İ1A**

Compulsory Clerkships (38 week): Pediatrics **(8** week**),** **Gen**eral Surgery **(8** week**),** Internal Medicine **(8** week**),** Obstetrics and Gynecology **(8** week**),** Physical Medicine and Rehabilitation **(2** week**),** Pediatrics Surgery **(2** week**),** **Rad**iology **(2** week**).**

Elective Clerkships (2 week): Family Medicine **(2** week**),** Medical Pharmacology **(2** week**)**

2026 – 2027 EDUCATION YEAR 5th GRADE ACADEMIC CALENDAR

	17.08.2026 - 04.09.2026	07.09.2026 - 25.09.2026	28.09.2026 - 16.10.2026	19.10.2026 - 06.11.2026	09.11.2026 - 27.11.2026	30.11.2026 - 18.12.2026	21.12.2026 - 08.01.2027	11.01.2027 - 15.01.2027	16.01.2027 – 31.01.2027 YARIYIL TATİLİ	01.02.2027 - 12.02.2027	15.02.2027 - 05.03.2027	15.03.2027 - 02.04.2027	05.04.2027 - 22.04.2027	26.04.2027 - 14.05.2027
Chest Diseases	5İ1/A-B-C	5İ1/D-E-F	5İ2/A-B-C	5İ2/D-E-F	5T1/A-B-C	5T1/D-E-F	5T2/A-B-C	5T2/D-E-F		5T2/D-E-F	5T3/A-B-C	5T3/D-E-F	5T4/A-B-C	5T4/D-E-F
Cardiology	5İ1/D-E-F	5İ1/A-B-C	5İ2/D-E-F	5İ2/A-B-C	5T1/D-E-F	5T1/A-B-C	5T2/D-E-F	5T2/A-B-C		5T2/A-B-C	5T3/D-E-F	5T3/A-B-C	5T4/D-E-F	5T4/A-B-C
Cardiac-Tho. Sur.	5T4/A-B-C	5T4/D-E-F	5İ1/A-B-C	5İ1/D-E-F	5İ2/A-B-C	5İ2/D-E-F	5T1/A-B-C	5T1/D-E-F		5T1/D-E-F	5T2/A-B-C	5T2/D-E-F	5T3/A-B-C	5T3/D-E-F
Skin and Ven. Dis.	5T4/D-E-F	5T4/A-B-C	5İ1/D-E-F	5İ1/A-B-C	5İ2/D-E-F	5İ2/A-B-C	5T1/D-E-F	5T1/A-B-C		5T1/A-B-C	5T2/D-E-F	5T2/A-B-C	5T3/D-E-F	5T3/A-B-C
E.N.T.	5T3/A-B-C	5T3/D-E-F	5T4/A-B-C	5T4/D-E-F	5İ1/A-B-C	5İ1/D-E-F	5İ2/A-B-C	5İ2/D-E-F		5İ2/D-E-F	5T1/A-B-C	5T1/D-E-F	5T2/A-B-C	5T2/D-E-F
Infectious Dis.	5T3/D-E-F	5T3/A-B-C	5T4/D-E-F	5T4/A-B-C	5İ1/D-E-F	5İ1/A-B-C	5İ2/D-E-F	5İ2/A-B-C		5İ2/A-B-C	5T1/D-E-F	5T1/A-B-C	5T2/D-E-F	5T2/A-B-C
Ort. and Tra.	5T2/A-B-C	5T2/D-E-F	5T3/A-B-C	5T3/D-E-F	5T4/A-B-C	5T4/D-E-F	5İ1/A-B-C	5İ1/D-E-F		5İ1/D-E-F	5İ2/A-B-C	5İ2/D-E-F	5T1/A-B-C	5T1/D-E-F
Urology	5T2/D-E-F	5T2/A-B-C	5T3/D-E-F	5T3/A-B-C	5T4/D-E-F	5T4/A-B-C	5İ1/D-E-F	5İ1/A-B-C		5İ1/A-B-C	5İ2/D-E-F	5İ2/A-B-C	5T1/D-E-F	5T1/A-B-C
Psychiatry	5T1/A-B-C	5T1/D-E-F	5T2/A-B-C	5T2/D-E-F	5T3/A-B-C	5T3/D-E-F	5T4/A-B-C	5T4/D-E-F		5T4/D-E-F	5İ1/A-B-C	5İ1/D-E-F	5İ2/A-B-C	5İ2/D-E-F
Neurology	5T1/D-E-F	5T1/A-B-C	5T2/D-E-F	5T2/A-B-C	5T3/D-E-F	5T3/A-B-C	5T4/D-E-F	5T4/A-B-C		5T4/A-B-C	5İ1/D-E-F	5İ1/A-B-C	5İ2/D-E-F	5İ2/A-B-C

	17.08.2026 - 28.08.2026	31.08.2026 - 11.09.2026	14.09.2026 - 25.09.2026	28.09.2026 - 09.10.2026	12.10.2026 - 23.10.2026	26.10.2026 - 06.11.2026	09.11.2026 - 20.11.2026	23.11.2026 - 04.12.2026	07.12.2026 - 18.12.2026	21.12.2026 - 31.12.2026	04.01.2027 - 15.01.2027	01.02.2027 - 12.02.2027	15.02.2027 - 26.02.2027	01.03.2027 - 19.03.2027	22.03.2027 - 02.04.2027	05.04.2027 - 16.04.2027	19.04.2027 - 30.04.2027	03.05.2027 - 14.05.2027
Neurosurgery	5İ2/A-B	5İ2/E-F	5İ2/C-D	5T1/A-B	5T1/E-F	5T1/C-D	5T2/A-B	5T2/E-F	5T2/C-D	5T3/A-B	5T3/E-F	5T3/C-D	5T4/A-B	5T4/E-F	5T4/C-D	5İ1/A-B	5İ1/E-F	5İ1/CD
Ophthalmology	5İ2/C-D	5İ2/A-B	5İ2/E-F	5T1/C-D	5T1/A-B	5T1/E-F	5T2/C-D	5T2/A-B	5T2/E-F	5T3/C-D	5T3/A-B	5T3/E-F	5T4/C-D	5T4/A-B	5T4/E-F	5İ1/C-D	5İ1/A-B	5İ1/E-F
Elective	5İ2/E-F	5İ2/C-D	5İ2/A-B	5T1/E-F	5T1/C-D	5T1/A-B	5T2/E-F	5T2/C-D	5T2/A-B	5T3/E-F	5T3/C-D	5T3/A-B	5T4/E-F	5T4/C-D	5T4/A-B	5İ1/E-F	5İ1/CD	5İ1/A-B

Compulsory Clerkships (34 weeks) : Skin and Venereal Diseases (3 weeks), Infectious Diseases (3 weeks), Chest Diseases (3 weeks), Cardiology (3 weeks), Ear, Nose and Throat Diseases (3 weeks), Neurology (3 weeks), Orthopedics and Traumatology (3 weeks), Psychiatry (3 weeks), Urology (3 weeks), Cardiovascular and Thoracic Surgery (3 weeks), Neurosurgery (2 weeks), Ophthalmology (2 weeks).

Elective Clerkships (2 weeks) : Child and Adolescent Psychiatry (2 weeks), Anesthesiology and Reanimation (2 weeks)

SESSION IV PEDIATRICS CLERKSHIP GUIDE

Code	MED402
Period	8 weeks

Type	Compulsory
ECTS	12

PEDIATRICS CLERKSHIP- Prerequisite Courses	
1	Taken the pre-clinical courses
2	Taken courses in the relevant committee (s) in session 3

REFERENCES (RESOURCE BOOK - OTHERS)	
1.	Nelson Textbook of pedıatrıcs
2.	Yurdakök Pediatri
3.	Olcay Neyzi Pediatri

PEDIATRICS CLERKSHIP- RULES FOR STUDENTS	
1	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
2	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
3	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
4	Students are obliged to keep the **"Ataturk University Faculty of Medicine Trainee Report"** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
5	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
6	**In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in "Atatürk University Faculty of Medicine Teaching and Exam Application Principles".
7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at "http://anket.atauni.edu.tr". The participation link to the survey will be sent to the students by the dean's management.

1. SESSION IV PEDIATRICS CLERKSHIP- OBJECTIVE OF THE PROGRAM

OBJECTIVE OF THE PEDIATRICS CLERKSHIP PROGRAM	
1.	To be able to make a preliminary diagnosis / diagnosis by evaluating the anatomy, physiological characteristics of children, the signs and symptoms of the diseases mentioned.
2.	To be able to request the necessary laboratory tests and imaging tests in line with the preliminary diagnosis she has made to pediatric patients.
3.	To be able to evaluate the laboratory tests and imaging tests required in line with the preliminary diagnosis it has made to pediatric patients.
4.	To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria
5.	To be able to perform emergency treatment by defining emergency situations in a child patient and to provide referral when necessary after emergency intervention and treatment.
6.	To gain the knowledge, skills and professionalism characteristics determined for the internship

2. SESSION IV PEDIATRICS CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
Contribution levels	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Program Qualifications	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**								
Contribution levels	5	4	4	2	5	3	4	5	5	3	4	5								

Contribution levels: *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

3. SESSION IV PEDIATRICS CLERKSHIP LEARNING OBJECTIVES

A. Frequent reasons for application: Competence is expected in terms of Clinical Symptoms / Signs / Status during the pediatrics clerkship period

PEDIATRICS CLERKSHIP- ***LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS***					
1	Asphyxia	35	Enuresis	69	Suspicious genitalia
2	Dry mouth	36	Color change in urine	70	Lymphadenopathy
3	Wound in the mouth	37	bBoating abdominals	71	Melena-hematemez
4	Low back and back pain	38	Chest pain	72	Micro-macrocephaly
5	amenorrhea	39	Chest wall anomalies	73	Edema
6	Anemia	40	Vision impairment / loss	74	Cough
7	Anorectal pain	41	weakness	75	Paresthesia
8	Anuria-oliguria	42	Hematoesia / rectal bleeding	76	Paresis, paralysis
9	Apnea	43	Hematuria	77	Pelvic pain
10	Fire	44	Hemoptysis	78	Petechia, purpura, ecchymosis
11	Dizziness	45	Hepatomegaly	79	Polydipsia
12	Headache	46	Wheezing (wheezing)	80	Polyuria
13	Consciousness changes	47	Hypertension	81	Pollacuria / Nocturia
14	Pain throat	48	Hypotension	82	Beginning puberty (early - late)
15	Mass in neck	49	Hypothermia / Hyperthermia	83	Pupil changes
16	Nausea and vomiting	50	Hirsutism	84	Jaundice
17	Runny nose / congestion	51	Urinary retention	85	Syncope
18	Nose bleeding	52	Chronic pain	86	Hoarseness
19	Growth - developmental retardation	53	Seizures	87	Cyanosis
20	Palpitations	54	Gynecomastia	88	splenomegaly
21	Double vision	55	Constipation	89	Stridor
22	Clubbing	56	murmur in the heart	90	Tetan
23	Balance / movement problems	57	Tendency to bleed	91	Tremors
24	Skin rashes / lesions (maculopapular, bullous, vesicular)	58	Abdominal pain	92	Foreign body ingestion/ aspiration / ear / nose)
25	Skin and nail changes (dryness, discoloration, etc.)	59	Mass in the abdomen	93	Side pain
26	Encopresis	60	muscle weakness	94	Swallowing Difficulty
27	Dyspepsia	61	Eyebrow skeletal pain (waist, neck, back, hip and limb pain)		
28	Dyspnea	62	Mass in the groin / scrotum		
29	Diarrhea	63	Red eye (Eye rash)		
30	Dysuria	64	overweight / excess		
31	Joint pain / swelling	65	Weight loss		
32	Movement restriction in joints	66	colic pain (kidney, biliary, intestine)		
33	Suction difficulties	67	Learning disability		
34	Movement disorders	68	Ear pain / discharge		

B. In terms of knowledge: It is expected to have knowledge at the levels determined in the **"Diseases / Clinical Problems"** listed below during the Pediatrics clerkship period.

PEDIATRICS CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*	
LEARNING LEVELS	**CLINICAL PROBLEM**
In the clinical problems mentioned in the column next to; **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary**	1-Adrenocortical insufficiency 2-Lung Edema 3-Acute pancreatitis 4-Acute kidney damage 5-Acute glomerulonephritis 6-Acute pancreatitis Allergic reaction 8-Anaphylaxis 9-Acid - base is for balance 10-Asthma 11-Food poisoning 12-Pertussis 13. bronchiolitis 14. Dehydration 15-Iron deficiency anemia 16-Diabetes mellitus and its complications 17-Asphyxia at birth 18-Fetal distress at birth 19-Enteric Fever 20-Epilepsy 21-Essential hypertension 22-Facial paralysis 23-Febrile convulsion 24 gastroenteritis 25-Gastroinstestinal congenital anomalies 26-Hepatic coma 27. hypoglycaemia 28-Intracranial hemorrhages 29-Vitamin K deficiency 30-For heart rhythm 31-Heart failure 32-Cardio mon pulmonary arrest 33-Crimea - Congo hemorrhagic fever 34-Koma 35-Chronic kidney disease

	36-Laryngeal obstruction 37-Meningococcal diseases 38-Central nervous system infections 39-migraine 40-Oncological emergencies 41-pneumothorax 42-sepsis 43-For liquid and electrolyte balance 44-Respiratory failure 45-Shock 46-Tetanus 47-Urticaria and angioedema 48-Upper gastrointestinal bleeding 49-Common intravascular coagulation 50-Gastrointestinal system malformations in newborns 51-Convulsion in newborn 52-Necrotizing enterocolitis in newborn 53-Sepsis and meningitis in newborn 54-Respiratory difficulty in newborn 55-Hemorrhagic diseases of newborn 56-Poisoning
In the clinical problems mentioned in the column next to; **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert**	1-Adrenocortical insufficiency 57-Aplastic anemia 58-Ataxic disorders 59-Familial Mediterranean fever 60-Cushing's disease 61-Childhood solid tumors 62-Diabetes insipitus 63-Diaphragmatic hernias 64-diphtheria 65-Birth Trauma 66-Congenital metabolic diseases 67-endocarditis 20-Epilepsy 68-Gastrointestinal tract motility is required 69-Guillain - Barré syndrome 70-hemoglobinopathies

	71-Hemolytic anemia 72-Hemolytic uremic syndrome / Thrombotic Thrombocytopenic Purpura 73-hydrocephalus 74-Pituitary 75-Hypoparathyroidism 76-Hypotonic baby 77-Inflammatory bowel disease 78-Intrauterine growth retardation 79-Intrauterine infections 80-Irritable bowel disease 81-Blood conflicts 82- Bleeding profile (hemophilia, thrombocytopenia, etc.) 83-Eyebrow diseases (myopathies) 84-Bone tumors 85-Cystic fibrosis 86-Cholecystitis, Cholelithiasis 87-Congenital adrenal hyperplasia 88-Congenital heart diseases 89-Chromosome diseases (frequent display) 90-Chronic glomerulonephritis 91-Chronic hepatitis 92-Lymphoproliferative diseases 93-Leukemia 94-Malabsorption 95-Myocarditis / cardiomyopathy 96- Pericardial diseases 97-Pleural diseases 98-Portal hypertension 99-Pulmonary hypertension 100-Secondary hypertension 101-Cerebral palsy 102-Systemic Lupus Erythematosus 103-Sjögren's Syndrome 104 scleroderma 105-Vasculitis 106-Metabolic disorders in newborn

In the clinical problems mentioned in the column next to; **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures**	4-Acute kidney damage 5-Acute glomerulonephritis 107-Acute hepatitis 108- Acute rheumatic fever 109-Arthritis 110 Acid 13. bronchiolitis 111-Congenital structural anomalies 22-Facial paralysis 112-Henoch-Schönlein purpura 30-For heart rhythm 31-Heart failure 113-Participation vigil 33-Crimea - Congo hemorrhagic fever 35-Chronic kidney disease 39-migraine 114-Nephrotic syndrome 115-Diabetic mother baby 116-prematurity 43-For liquid and electrolyte balance 46-Tetanus 48-Upper gastrointestinal bleeding 117-Newborn jaundice
In the clinical problems mentioned in the column next to; **Be able to Diagnose and Treat (DT)**	118-Lung tuberculosis Allergic reaction 10-Asthma 12-Pertussis 119-Brucellosis 120-Functional constipation in the child 121-Vitamin D deficiency 14. Dehydration 15-Iron deficiency anemia 16-Diabetes mellitus and its complications 122-Rash rash infectious diseases 21-Essential hypertension 23-Febrile convulsion 24 gastroenteritis 123-Gastrointestinal system parasitoses

	124-Hypothyroidism 125 Mumps 126-Congenital hypothyroidism 127-Malnutrition 128-Megaloblastic anemia 129-moniliasis Water Foam Sprinklers-130 131-otitis media 132-Pneumonia 133-Urinary system infections 47-Urticaria and angioedema 134-Upper respiratory tract infections 135- Conjunctivitis in newborn
In the clinical problems mentioned in the column next to; **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)**	59-Familial Mediterranean fever 118-Lung tuberculosis 10-Asthma 120-Functional constipation in the child 121-Vitamin D deficiency 15-Iron deficiency anemia 16-Diabetes mellitus and its complications 66-Congenital metabolic diseases 20-Epilepsy 21-Essential hypertension 124-Hypothyroidism 80-Irritable bowel disease 30-For heart rhythm 31-Heart failure 82- Bleeding profile (hemophilia, thrombocytopenia, etc.) 126-Congenital hypothyroidism 35-Chronic kidney disease 127-Malnutrition 128-Megaloblastic anemia 39-migraine
In the clinical problems mentioned in the column next to; **be able to follow up (F) in necessary cases**	118-Lung tuberculosis 4-Acute kidney damage

	107-Acute hepatitis 108- Acute rheumatic fever 8-Anaphylaxis 10-Asthma 11-Food poisoning 12-Pertussis 119-Brucellosis 120-Functional constipation in the child 121-Vitamin D deficiency 14. Dehydration 15-Iron deficiency anemia 16-Diabetes mellitus and its complications 64-diphtheria 115-Diabetic mother baby 65-Birth Trauma 17-Asphyxia at birth 18-Fetal distress at birth 66-Congenital metabolic diseases 111-Congenital structural anomalies 122-Rash rash infectious diseases 67-endocarditis 19-Enteric Fever 20-Epilepsy 21-Essential hypertension 23-Febrile convulsion 24 gastroenteritis 123-Gastrointestinal system parasitoses 70-hemoglobinopathies 78-Intrauterine growth retardation 79-Intrauterine infections 80-Irritable bowel disease Vitamin K deficiency 125 Mumps 31-Heart failure 81-Blood conflicts 82- Bleeding profile (hemophilia, thrombocytopenia, etc.) 33-Crimea - Congo hemorrhagic fever 85-Cystic fibrosis

	126-Congenital hypothyroidism 89-Chromosome diseases (frequent display) 35-Chronic kidney disease 91-Chronic hepatitis 127-Malnutrition 128-Megaloblastic anemia 37-Meningococcal diseases 39-migraine 129-moniliasis Water Foam Sprinklers-130 131-otitis media 132-Pneumonia 116-prematurity 43-For liquid and electrolyte balance 46-Tetanus 133-Urinary system infections 47-Urticaria and angioedema 134-Upper respiratory tract infections 117-Newborn jaundice 135- Conjunctivitis in Newborn 51-Convulsion in newborn 106-Metabolic disorders in newborn 56-Poisoning

C. In terms of skill: It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Pediatrics period.

PEDIATRICS CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	**BASIC MEDICINE APPLICATIONS**
Skills specified in the adjacent column; **Knows** how to practice and **explains** the results to patients and / or relatives **(LEARNING LEVEL 1)**	1. Ability to perform lumbar puncture
Skills specified in the adjacent column; **In an emergency**, performs the application in accordance **with the guide / instruction** **(LEARNING LEVEL 2)**	2. Newborn vitalization 3. To be able to measure and evaluate bleeding time
	4. Head - neck and ENT examination 5. To be able to follow the growth and development in children (percentile curves, Tanner rating) 6. Neurological examination 7. Capturing and evaluating ECG 8. To be able to make and evaluate peripheral smear 9. To interpret the results of screening and diagnostic purposes 10. Measurement and evaluation of transcutaneous bilirubin 11. "Airway" application 12. To be able to take care of the baby after birth 13. Intubation 14. Ability to remove the foreign body in the airway with the appropriate maneuver 15. Ability to insert urinary catheter 16. Being able to take samples for culture

Skills specified in the adjacent column; performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application** **(LEARNING LEVEL 3)**	17. Enema making 18. Being able to wash the stomach 19. Minimental status examination 20. To be able to apply nasogastric catheter 21. To be able to apply PPD test 22. To be able to take measures to prevent healthcare related infections
	23. General and Problem Based History 24. Being able to evaluate your mental state 25. Anthropometric Measurements 26. Abdominal Examination 27. Child and Newborn Examination 28. Skin Inspection 29. General Status and Evaluation of Vital Signs 30. Cardiovascular System Examination 31. Respiratory System Examination 32. Preparing the Patient File 33. Providing Decontamination, Disinfection, Sterilization, Antisepsis 34. Measuring and Evaluating Blood Sugar by Measuring Sugar 35. Rational Drug Use 36. Hand Wash 37. Evaluation of Glasgow Coma Scale 38. Giving the Patient a Coma Position 39. Measuring Blood Pressure 40. Capillary Blood Sample Ability 41. Oxygen and Nebul - Inhaler Treatment Can Be Applied

Skills specified in the adjacent column; Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application** **(LEARNING LEVEL 4)**	42. Applying Cervical Collar (Neck Collar) 43. Ability to Provide Proper Protection and Transport for Cold Chain 44. Providing Basic Life Support 45. Heel Blood Collection 46. Execution of Vaccination Services 47. Teaching the Right Breastfeeding Methods 48. Consciousness Evaluation 49. Ability to Apply Defibrillation 50. To be able to apply and evaluate Pulse Oximeter 51. Complete urine analysis (including microscopic examination) and evaluate 52. Newborn metabolic and endocrine disease screening program

D. In terms of Behavioral, Social and Humanities: It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the Pediatrics clerkship period

PEDIATRICS CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	25. Health situations a. Nutrition h. Maternal and child health l. immunization

E. In terms of Professionalism: Attitudes listed below are expected to be gained during the period of Pediatrics clerkship

ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE PEDIATRICS CLERKSHIP
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine. 2. Rights-based health approach 3. Communication skills, communication in difficult situations, interpersonal relations and teamwork

4. Patient rights, physician responsibility, patient-physician relationship.

5. Reflective thinking and practice, continuous individual and professional development, education and consultancy.

6. Work culture in coordination with other members of the team and disciplines

7. Being able to share their knowledge and professional experience with other members of the team,

4. SESSION IV PEDIATRICS CLERKSHIP - WEEKLY COURSE PROGRAM

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	1. Week		
Monday	Information about internship and ethical and professional values in clinical practice	08.30-09.30	Zerrin ORBAK, MD,Proff.
	Medical history and vital findings	09.30-10.15	H.DÖNERAY,MD,Proff.
		10.30-12.00	
	Approach to metabolic diseases	13.30-14.15	Zerrin ORBAK, MD,Proff.
	Respiratory System Assessment	14.30-15.15	H.DÖNERAY,MD,Proff.
	Practical course of basic medical practice-1 • Respiratory system examination • Monitor growth and development in children (percentile, Tanner) • Making a PPD test	15.30-16.15	H.DÖNERAY,MD,Proff.
	Independent working hours	16.15-17.00	
Tuesday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Case presentation and evaluation on the basis of case	10.30-12.00	Teaching Staff
	Pneumonia	13.30-14.15	Ayşe ÖZDEN. MD,Assoc.Proff
	Practical course of basic medical practice **-2** • Measurement of transcutaneous bilirubin • Heel Blood • Breastfeeding technique • Newborn metabolic and endocrine disease screening program	14.30-15.15	Mustafa KARA MD,Proff
	Megaloblastic anemia	15.30-16.15	Zafer BIÇAKÇI, MD,Proff.
Wednesday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Upper Respiratory Tract Infections and otits	10.30-12.00	Naci CEVİZ, MD,Proff.
	Liquid-Electrolyte and Acid-Base Balance	13.30-14.15	Liquid-Electrolyte and Acid-Base Balance
	Independent working hours	16.15-17.00	
Thursday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Obstructive Airway Diseases, Croup syndromes	10.30-12.00	Seyda KARAHAN MD,Assist.Proff
	Neurologic system Assessment	13.30-15.15	Hüseyin TAN, MD, Proff.
	Practical course of basic medical practice **-4** • Neurologic system examination • Consciousness and mental state assessment • GKS Assesment	15.30-16.15	Hüseyin TAN,MD,Proff.
Frıday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Rash-causing diseases	10.30-12.00	R.Afşin ALAY MD,Assist.Proff
	Thalassemia	13.30-14.15	Zafer BIÇAKÇI, MD,Proff.
	Gastrointestinal System Assessment	14.30-15.15	Ayşe ÖZDEN. MD,Assoc.Proff
	Practical course of basic medical practice **-5** • Gastrointestinal system examination • Enema application • Wash the stomach	15.30-16.15	R.Afşin ALAY MD,Assist.Proff

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	• Nazogastric catheter application		
	İndependent working hours	16.15-17.00	
	2. Week		
Monday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Rickets	10.30-12.00	Zerrin ORBAK, MD,Proff.
	Cardiovascular System Assessment	13.30-14.15	Naci CEVİZ,MD,Proff.
	Practical course of basic medical practice **-6** • Cardiovascular System Examination • ECG shooting and evaluation • Defibrillation application	14.30-15.15	Naci CEVİZ,MD,Proff.
	İndependent working hours	15.30-17.00	
Tuesday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Case presentation and evaluation on the basis of case	10.30-12.00	Teaching Staff
	NRP(Newborn resuscitation)	13.30-15.15	K.Ş. TEKGÜNDÜZ,MD,Proff.
	Practical course of basic medical practice **-7** • Examination of newborn • Postnatal baby care • Application and evaluation of pulse oximetry • Newborn resuscitation	15.30-16.15	K.Ş. TEKGÜNDÜZ,MD,Proff.
Wednesday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Acute Glomerulonephritis	10.30-12.00	Celalettin KOŞAN,MD,Proff.
	Elective / Freelance	13.30-17.00	
Thursday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Diabetes Mellitus	10.30-12.00	Zerrin ORBAK, MD,Proff.
	DIC	13.30-14.15	Zafer BIÇAKÇI, MD,Proff.
	Practical course of basic medical practice **-9** • Measurement and evaluation of bleeding time • Capillary blood samples • Peripheral smear evaluation	14.30-15.15	Zafer BIÇAKÇI, MD,Proff.
	A.Bronchiolitis and wheezy child	15.30-16.15	Şeyda KARAHAN MD,Assist.Proff
	İndependent working hours	16.15-17.00	
Frıday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Tetanus- Pertussis- Mumps	10.30-12.00	Şeyda KARAHAN MD,Assist.Proff
	Urinary infections	13.30-15.15	Celalettin KOŞAN, MD,Proff.
	Practical course of basic medical practice**-10** • Urinary catheterization • Blood pressure measurement	15.30-16.15	Şeyda KARAHAN MD,Assist.Proff
	3. Week		
Monday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.00	Teaching Staff
	Tuberculosis	10.30-12.00	H.DÖNERAY,MD, Proff.
	Short Stature	13.30-15.15	Zerrin ORBAK, MD,Proff.
	Practical course of basic medical practice **-11** • Anthropometric measurements • blood glucose measurement and evaluation • Evaluating screening results	15.30-16.15	Ayşe ÖZDEN. MD,Assoc.Proff
Tuesday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Case presentation and evaluation on the basis of case	10.30-12.00	Teaching Staff
	Practical course of basic medical practice **-12** • Decontamination, disinfection, sterilization, antisepsis	13.30-14.15	Şeyda KARAHAN MD,Assist.Proff

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	• Take measures to prevent infections • Sampling for culture • Hand washing • Being able to evaluate complete urine analysis (including microscopic examination)		
	İndependent working hours	14.30-17.00	
Wednesday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Membrane defects and enzymopathies	10.30-12.00	Zafer BIÇAKÇI, MD,Proff.
	Elective / Freelance	13.30-17.00	
Thursday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Sepsis- shock	10.30-12.00	Halil Keskin,MD, Assoc.Proff
	Epilepsia	13.30-15.15	Hüseyin TAN,MD,Proff.
	Kawasaki disease	15.30-16.15	Naci CEVİZ,MD,Proff.
Friday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Acute Kidney Failure	10.30-12.00	Celalettin KOŞAN. MD,Proff
	İndependent working hours	13.30-17.00	
Monday	**4. Week**		
	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Convulsions	10.30-12.00	Hüseyin TAN,MD,Proff.
	Pubertal disorders	13.30-15.15	H.DÖNERAY,MD,Proff.
	Practical course of basic medical practice **-3** • Evaluate vital signs • Preparing a patient file • lumbar puncture	15.30-16.15	Mustafa KARA MD,Proff
Tuesday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Case presentation and evaluation on the basis of case	10.30-12.00	Teaching Staff
	Acute rheumatic fever	13.30-15.15	Fuat LALOĞLU MD, Assoc. Proff
	Elective / Freelance	15.30-17.00	
Wednesday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Asthma	10.30-12.00	Ayşe ÖZDEN. MD,Assoc.Proff
	Liquid-Electrolyte and Acid-Base Balance	13.30-16.15	Turgay ARAS, MD,Assist.Proff
Thursday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	İron metabolism and İron deficiency anemia	10.30-12.00	Zafer BIÇAKÇI, MD,Proff.
	Intrauterine growth reterdation, properties of prematur	13.30-15.15	K.Ş. TEKGÜNDÜZ,MD,Proff.
	Necrotizan enterocolite	15.30-16.15	K.Ş. TEKGÜNDÜZ,MD,Proff.
Frıday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Cerebral palsy	10.30-11.15	Hüseyin TAN,MD,Proff.
	Neonatal sepsis and meningitis	13.30-15.15	Mustafa KARA MD, Assoc.Proff
	Von Willebrand disease	15.30-16.15	Zafer BIÇAKÇI, MD,Proff.
Monday	**5. Week**		
	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Solid tumours	10.30-12.00	Zafer BIÇAKÇI, MD,Proff.
	Encephalitis	13.30-14.15	Hüseyin TAN,MD,Proff.
	Elective / Freelance	14.30-17.00	
Tuesday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Case presentation and evaluation on the basis of case	10.30-12.00	Teaching Staff
	Neonatal convulsions	13.30-15.15	K.Ş. TEKGÜNDÜZ,MD,Proff.
	Anaphylaxis in childhood	15.30-16.15	Halil Keskin,MD,Assoc.Proff

Days	Subject of The Lesson	Lesson Time	Teaching Staff
Wednesday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Respiratory disorders in the newborn	10.30-12.00	Mustafa KARA MD,Proff.
	Immune hemolytic anemia	13.30-14.15	Zafer BIÇAKÇI, MD,Proff.
	Immunothrombocytopenia	14.30- 15.15	Zafer BIÇAKÇI, MD,Proff.
Thursday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Hemorrhagic diathezis and hemophilia	10.30-12.00	Zafer BIÇAKÇI, MD,Proff.
	Fluid and electrolyte regulation, acid-base imbalance	13.30-15.15	Zerrin ORBAK, MD,Proff.
	Celiac Disease	15.30-16.15	Turgay ARAS, MD,Assist.Proff
Frıday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Neonatal hyperbilirubinemias	10.30-12.00	Mustafa KARA MD,Proff.
	Lymphoma and lymph node examination	13.30-15.15	Zafer BIÇAKÇI, MD,Proff.
Monday	**6. Week**		
	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Newborn Emergency	10.30-12.00	Mustafa KARA MD,Proff
	Connective tissue diseases	13.30-15.15	Celalettin KOŞAN,MD,Proff.
	Evaluation of growth and examination for adolescences	15.30-16.15	H.DÖNERAY,MD,Proff.
Tuesday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Case presentation and evaluation on the basis of case	10.30-12.00	Teaching Staff
	Malnutrition	13.30-15.15	Turgay ARAS, MD,Assist.Proff
	Poisonings in childhood	15.30-17.15	Halil Keskin,MD,Assoc.Proff
Wednesday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Perinatal asphyxia and hypothermia treatment	10.30-12.00	K.Ş. TEKGÜNDÜZ,MD,Proff.
	Post- Discharge Follow-up of the Premature baby	13.30-14.15	K.Ş. TEKGÜNDÜZ,MD,Proff.
	Bacterial meningitis in childhood	14.30-16.15	R.Afşin ALAY MD,Assist.Proff
Thursday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Nephrotic syndromes	10.30-12.00	Celalettin KOŞAN,MD,Proff.
	Heart failure	13.30-15.15	Naci CEVİZ,MD,Proff.
	Practical course of basic medical practice **-8** • Airway management in pediatric patient	15.30-16.15	Halil Keskin,MD,Assoc.Proff
Frıday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Neonatal metabolic problems	10.30-12.00	Mustafa KARA MD,Proff.
	Familial Mediterranean fever(FMF)	13.30-15.15	Ayşe ÖZDEN. MD,Assoc.Proff
	Mind antibiotic use in childhood	15.30-16.15	Halil Keskin,MD,Assoc.Proff
Monday	**7. Week**		
	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Adrenal Gland disorders	10.30-12.00	Zerrin ORBAK, MD,Proff.
	Basic and Advanced life support in pediatric patient	13.30-15.15	Halil Keskin,MD,Assoc.Proff
	Cardites	15.30-16.15	Fuat LALOĞLU MD,Assoc.Proff
Tuesday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Case presentation and evaluation on the basis of case	10.30-12.00	Teaching Staff
	Newborn Anomalies	13.30-15.15	Mustafa KARA MD,Proff.
	Practical course of basic medical practice **-13** • Application of oxygen and nebulous inhaler therapy • Cold chain transportation. • Immunization Application	15.30-16.15	Şeyda KARAHAN MD,Assist.Proff
Wednesday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Birth trauma	10.30-12.00	K.Ş. TEKGÜNDÜZ,MD,Proff.

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	Headache migraine	13.30-14.15	Hüseyin TAN,MD,Proff.
	Coma	14.30- 15.15	Hüseyin TAN,MD,Proff.
Thursday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Chronic Kidney Disease	10.30-12.00	Celalettin KOŞAN, MD,Proff.
	Congenital Heart Disease	13.30-15.15	Fuat LALOĞLU MD, Assoc. Proff
	İmmunization-1	15.30-17.15	Turgay ARAS, MD,Assist.Proff
Friday	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.30	Teaching Staff
	Vasculitis-Henoch- Shönlein Purpura	10.30-12.00	Ayşe ÖZDEN. MD,Assoc.Proff
	Guillain–Barré syndrome and poliomyelitis	13.30-14.15	Hüseyin TAN,MD,Proff.
Monday	**8. Week**		
	Clinical studies in service	08.00-09.00	
	Visit	09.00-10.00	Teaching Staff
	Childhood gastroenteritis	10.30-12.00	R.Afşin ALAY MD,Assist.Proff
	Leukemia	13.30-14.15	Zafer BIÇAKÇI, MD,Proff.
Tuesday	Clinical studies in service	08.00-09.00	
	İmmunization-2	10.30-12.00	Turgay ARAS, MD,Assist.Proff
	Hypertension	13.30-14.15	R.Afşin ALAY MD,Assist.Proff
Wednesday	Clinical studies in service	08.00-09.00	
	Clinical studies in service	13.30-17.00	
Thursday	Exam (Physical examination and oral examination)	09.00	
Frıday	Test examination	09.00	
	Post-internship feedback meeting	15.30	

5. SESSION IV PEDIATRICS CLERKSHIP MATCHING COURSES WITH LEARNING OBJECTIVES

MATCHING PEDIATRICS CLERKSHIP COURSES WITH LEARNING OBJECTIVES								
Code	**Lesson Topic**	**Teaching Staff**	**Theoretical lesson**	**Practical lesson**	**Symptoms / Conditions**	**Clinical problem**	**Basic Medical Practices**	**Behavioral, Social and Humanities**
PED001	Information about internship and ethical and professional values in clinical practice	Zerrin ORBAK, MD, Proff.	1					
PED002	Post-internship feedback meeting	Zerrin ORBAK, MD, Proff	1					
PED003	Diabetes Mellitus	Zerrin ORBAK, MD, Proff.	2		2, 41, 65 79, 80	9, 16, 27		
PED004	Height Shortenings	Zerrin ORBAK, MD, Proff	2		19	74, 75, 124		
PED005	Common Metabolic Diseases	Zerrin ORBAK, MD, Proff.	2		16, 36, 45, 53, 60, 67	66		
PED006	Liquid-Electrolyte and Acid-Base Balance	Zerrin ORBAK, MD, Proff	2		1, 2, 13, 41, 53, 79, 80	1, 9, 16, 43, 63		
PED007	Rickets	Zerrin ORBAK, MD, Proff.	2		34, 39, 53, 61, 90, 91	75, 121		
PED008	Adrenal Diseases	Zerrin ORBAK, MD, Proff	2		10, 13, 16, 41, 48	1, 43, 60, 87		
PED009	Asthma	Handan ALP, MD, Proff.	2		1, 28, 74, 87	10, 44		
PED010	Immunization	Handan ALP, MD, Proff.	4			124	46	25-l
PED011	Familial Mediterranean Fever (FMF)	Handan ALP, MD, Proff.	2		3, 10, 31, 32, 52, 58	59, 109		
PED012	Pneumonia	Handan ALP, MD, Proff.	1		1, 4, 10, 28, 46, 74, 87, 93	44, 97, 132		
PED013	Acute Bronchiolitis and Wheezing Child	Handan ALP, MD, Proff.	1		1, 9, 10, 28, 46, 74 87, 92	13, 44		
PED014	Obstructive Respiratory Diseases (Croup Syndrome)	Handan ALP, MD, Proff.	2		1, 9, 10, 74, 86 89, 92	36		

PED015	Vasculitis-Henoch Shönlein Purpura	Handan ALP, MD, Proff.	2		8, 10, 16, 31, 32, 36, 41, 43, 58, 78	109, 112		
PED016	Healthy Child Monitoring	Handan ALP, MD, Proff.	1		34, 67	124		25-a, h
PED017	Anamnesis and Vital Findings	Cahit KARAKELLEOĞLU, MD, Prof.	1		4, 34, 36, 37, 52, 53, 93, 94	15, 45		
PED018	Meningitis- Meningococemia	Cahit KARAKELLEOĞLU, MD, Proff.	2		9, 10, 12, 13 16, 53	1, 37, 38		
PED019	Salmonella- Shigella- Brucellosis	Cahit KARAKELLEOĞLU, MD, Proff.	2		10, 16, 29, 31, 32 41, 52, 58, 61	19, 24, 119		
PED020	Parasites	Cahit KARAKELLEOĞLU, MD, Proff.	2		16, 27, 41, 42 58, 65, 66	123		
PED021	Genetic Diseases	Cahit KARAKELLEOĞLU, MD, Proff.	2		53, 67	89		
PED022	Hepatitis and Hepatic Coma	Cahit KARAKELLEOĞLU, MD, Proff.	2		10, 13, 16, 18, 41, 57, 58, 84	26, 91, 107		
PED023	Rash Diseases	Cahit KARAKELLEOĞLU, MD, Proff.	2		3, 10, 14, 18, 24, 25, 36, 41	122		
PED024	Congenital Heart Diseases	Fuat LALOĞLU MD, Assoc. Proff	2		22, 28, 33, 47, 48, 56, 85, 87	30, 31, 88, 99		
PED025	Carditis	Fuat LALOĞLU MD, Assoc. Proff	1		28, 38, 41, 56,	30, 31, 67, 95, 96		
PED026	Kawasaki	Naci CEVIZ, MD, Proff.	1		10, 24, 63, 70	105		
PED027	Acute Rheumatic Fever	Fuat LALOĞLU MD, Assoc. Proff	1		10, 28, 31, 32, 52	30, 31, 108		
PED028	Arrhythmias	Naci CEVIZ, MD, Proff.	1		20, 28, 38, 85	30, 31		

PED029	Upper respiratory infections	Naci CEVIZ, MD, Proff.	2		10, 14, 74, 94	36, 134		
PED030	Cardiovascular system examination	Naci CEVIZ, MD, Proff.	1		28, 22, 31, 32, 33, 38, 39, 56, 87	30, 31, 45, 67, 95, 99		
PED031	Heart failure	Naci CEVIZ, MD, Proff.	2		20, 28, 33, 38, 41, 45, 46, 47, 48, 73, 74, 87	30, 31, 45, 67, 95		
PED032	Acute Glomerulonephritis	Celalettin KOŞAN, MD, Proff.	2		4, 6, 8, 10, 12, 13, 16, 36, 41, 43, 49, 58 64, 73, 93	4, 5,		
PED033	Acute Renal Insufficiency		2		8, 13, 16, 24, 28, 29, 36, 41, 49, 58, 66, 78, 79, 80, 93	2, 4		
PED034	Chronic Renal Insufficiency		2		4, 6, 8, 13, 19, 41 43, 49, 58, 79.80, 90, 93	2, 9, 15, 35, 90		
PED035	Hypertension	Celalettin KOŞAN, MD, Proff.	1		11, 12, 13, 20 49, 53, 58, 85	21, 90, 100		
PED036	Nephrotic Syndromes	Celalettin KOŞAN, MD, Proff.	2		37, 64, 73	2, 110, 114		
PED037	Urinary Infections	Celalettin KOŞAN, MD, Proff.	2		4, 16, 30, 35, 36, 43 51, 55, 58, 66 81, 93	133		
PED038	Collagen Tissue Diseases	Celalettin KOŞAN, MD, Proff.	2		4, 31, 32, 52	102, 103, 104, 105, 109		
PED039	Respiratory System Examination	H.DÖNERAY, MD, Proff.	1		1, 17, 38, 44, 46, 74	2, 10, 36, 41, 44		

					86, 87, 94			
PED040	Puberty Disorders	H.DÖNERAY, MD, Proff.	2		5, 19, 50, 54, 82	54, 124		
PED041	Diabetic Mother Baby	H.DÖNERAY, MD, Proff.	2		13, 64	16, 27, 115		
PED042	Tuberculosis	H.DÖNERAY, MD, Proff.	2		10, 41, 44, 74	97, 118		
PED043	Malnutrition	H.DÖNERAY, MD, Proff.	2		6, 19, 25, 29, 49 61, 65, 73	15, 94, 127		
PED044	Growth Assessment and Adolescent Examination	H.DÖNERAY, MD, Proff.	1		5, 6, 19, 34, 41, 65, 67	124		
PED045	Nervous System Examination	Hüseyin TAN, MD, Proff.	2		11, 12, 4, 21, 23, 34, 40, 53, 60, 91	20, 22, 38, 58, 73, 76, 83, 113		
PED046	Gullian Barre Syndrome-Poliomyelitis	Hüseyin TAN, MD, Proff.	1		41, 51, 60, 61, 75, 76, 94	69		
PED047	Encephalitis	Hüseyin TAN, MD, Proff.	1		10, 41, 53, 60	38		
PED048	Headache- Migraine	Hüseyin TAN, MD, Proff.	1		11, 12, 13, 16, 21, 52	39		
PED049	Convulsions	Hüseyin TAN, MD, Proff.	2		13, 53	23, 38		
PED050	Coma	Hüseyin TAN, MD, Proff.	1		1, 13, 21, 23, 53	28, 34, 73		
PED051	Cerebral Palsy	Hüseyin TAN, MD, Proff.	1		23, 32, 34, 53, 55, 67, 72,	20, 101		
PED052	epilepsy	Hüseyin TAN, MD, Proff.	2		11, 112, 13, 40,	20, 113		
PED053	Childhood Anemia	Zerrin ORBAK, MD,Proff.	3		6, 25, 41, 45, 88	15,57,70,71,128		
PED054	Childhood Solid Tumors	Zerrin ORBAK, MD,Proff.	2		15, 37, 43, 45, 47, 59, 62, 65, 70, 77, 88	61, 84		
PED055	lymphomas	Zerrin ORBAK, MD,Proff.	1		37, 45, 59, 65, 70, 88	92		

PED056	Oncological Emergencies-DIK	Zerrin ORBAK, MD,Proff.	1		10, 16, 57, 78	40, 49		
PED057	Bleeding diathesis - hemophilia	Zerrin ORBAK, MD,Proff.	2		18, 31, 32, 57, 78,	29,82		
PED058	Leukemia	Zerrin ORBAK, MD,Proff.	1		4,41, 45, 57, 65, 70, 78,	93		
PED059	Newborn Examination	K.Ş. TEKGÜNDÜZ, MD, Proff.	1		2, 19, 24, 33, 69	17, 42, 50, 76, 126, 128, 135		
PED060	Perinatal Asphyxia	K.Ş. TEKGÜNDÜZ, MD, Proff.	2		1, 13, 33, 34, 53, 67, 87,	17, 18, 76		
PED061	Preterm Baby's Monitoring	K.Ş. TEKGÜNDÜZ, MD, Proff.	1		1, 9, 34, 49, 53	116		
PED062	Intrauterine Infections	K.Ş. TEKGÜNDÜZ, MD, Proff.	1		1, 10, 13, 33, 78	79		
PED063	Intrauterine growth retardation and Premature Features	K.Ş. TEKGÜNDÜZ, MD, Proff.	2		6, 19, 49	78		
PED064	NRP	K.Ş. TEKGÜNDÜZ, MD, Proff.	2		1, 9	17, 18, 54		
PED065	Newborn Convusions	K.Ş. TEKGÜNDÜZ, MD, Proff.	2		1, 53	29, 51, 55		
PED066	Birth Trauma	K.Ş. TEKGÜNDÜZ, MD, Proff.	2		1, 33, 13, 48, 53, 78	28, 65		
PED067	NEC	K.Ş. TEKGÜNDÜZ, MD, Proff.	1		9, 37, 42	52		
PED068	Evaluation of the Gastrointestinal System	Cahit KARAKELLEOĞLU, MD, Proff	1		7, 26, 37, 45, 52, 55, 58, 59, 66, 71, 84, 88, 92	3, 6, 11, 14, 19, 25, 48, 68, 80, 86, 98, 110, 120		
PED069	Celiac Disease	Zerrin ORBAK, MD, Proff	1		29, 37, 52, 55, 65, 19	24, 29, 94		
PED070	Chronic Diarrhea - Cow's Milk Allergy	Fuat LALOĞLU MD, Assioc. Proff	2		29, 37, 42, 52, 65	24, 29, 68, 77, 80, 94		
PED071	Cystic fibrosis	Handan ALP, MD, Proff.	1		65, 29, 19, 74	9, 85, 94		

PED072	Breastfeeding and Nutrition	Zerrin ORBAK, MD, Proff.	2		19, 64, 65,	24, 66		
PED073	Head and Neck Examination	Mustafa KARA MD, Proff.	1		15, 17, 18, 68, 72, 83, 94	126		
PED074	Skin and Lymph Node Examination	Mustafa KARA MD, Proff.	1		22, 24, 25, 70, 78,	14		
PED075	Newborn Anomalies	Mustafa KARA MD, Proff.	2		16, 33, 34, 74, 87	25, 50, 63, 111		
PED076	Emergencies and Metabolic Problems of Newborn	Mustafa KARA MD, Proff.	2		1, 9, 10, 33, 37, 48, 49, 53 55, 60, 90	9, 14, 27, 43, 55, 63, 106, 115, 124, 126		
PED077	Sepsis and Meningitis in the Newborn	Mustafa KARA MD, Proff.	2		9, 10, 33, 48, 49, 53	38, 42, 53		
PED078	Newborn Respiratory Problems	Mustafa KARA MD, Proff.	2		1, 87, 28	17, 41, 44, 54, 63, 99		
PED079	Newborn Jaundice	Mustafa KARA MD, Proff.	2		6, 9, 13, 33, 84	81, 117		
PED080	Rational Antibiotic Use	Halil Keskin, MD, Assoc.Proff	1				35	
PED081	Cardio Pulmonary Arrest	Halil Keskin, MD, Assoc.Proff	1		1, 53	32		
PED082	Acute Gastroenteritis - Dehydration		1		10, 13, 16, 29, 41 58	4, 9, 14, 24, 43, 45, 72		
PED083	Anaphylaxis	Halil Keskin, MD, Assist.Proff	1		1, 16, 48, 89, 94	7, 8, 36, 45, 47		
PED084	poisoning	Halil Keskin, MD, Assist.Proff	2		11, 16, 17, 20, 2123	11, 56		
PED085	Shock-sepsis	Halil Keskin, MD, Assist.Proff	2		9, 10, 13, 33, 41 48, 49	1, 2, 7, 8, 9, 14, 42, 43, 45		
PED086	Diphtheria-tetanus-Pertusis		2		1, 3, 9, 33, 74, 87 10, 14, 15, 16 75, 86, 90, 94	12, 46, 64		

PED087	Otitis-Mumps		1		10, 15, 68	125, 130, 131		
PED088	Crimean Congo Hemorrhagic Fever		1		10, 12, 13, 60 78	33, 42, 43, 45 , 49		
PED089	Anthropometric measurements, To be able to measure and evaluate blood glucose with glucometer. To be able to interpret the results of screening and diagnostic purposes	Zerrin ORBAK, MD, Proff.		1			9, 25, 34	
PED090	To be able to provide decontamination, disinfection, sterilization, antisepsis. To be able to take measures to prevent healthcare related infections. Taking samples for culture, Hand washing			1			16, 22, 33, 36	
PED091	Neurological Examination. Consciousness and Mental status, GKS assessment	Hüseyin TAN, MD, Proff.		1			6, 19, 24, 37, 48,	
PED092	Evaluation of vital signs. To be able to take a general and problematic history, to prepare a patient file. Lumbar puncture	Cahit KARAKELLEOĞLU, MD, Proff		1			29, 32, 1, 23,	
PED093	To be able to apply oxygen and nebul - inhaler treatment. To provide proper protection and transportation to the cold chain. To be able to carry out immunization services.	Handan ALP, MD, Proff.		1			41, 43, 46	
PED094	Urinary catheter insertion. Blood pressure measurement, Full urine analysis (including microscopic examination) and evaluation			1			15, 39, 51	
PED095	Head - neck, ENT, Skin examination. Measuring and evaluating transcutaneous bilib. Being able to take heel blood. Teaching correct breastfeeding methods. Newborn metabolic and endocrine disease screening program	Mustafa KARA MD, Proff.		1			4, 10, 28, 45, 47, 52	

PED096	GIS Inspection. Enema. To be able to wash the stomach. To be able to apply nasogastric catheter	Fuat Laloğlu,MD,Assoc. Proff		1			17, 18, 20, 26	
PED097	Cardiovascular system examination. Ability to draw and evaluate ECG. Apply defibrillation.	Naci CEVIZ, MD, Proff.		1			7, 30, 49	
PED098	Child and newborn examination. Ability to care for babies after birth. To be able to apply pulse oximeter and evaluate.	K.Ş. TEKGÜNDÜZ, MD, Proff.		1			2, 12, 27, 50	
PED099	Respiratory system examination Monitor growth and development in children (percentile, Tanner). Making a PPD test	H.DÖNERAY, MD, Proff.		1			5, 21, 31	
PED0100	To be able to measure and evaluate bleeding time. Capillary blood sample can be taken. To be able to make and evaluate peripheral smear	Zerrin ORBAK, MD,Proff.		1			3, 8, 40,	
PED101	"Airway" application. To be able to intubate. To be able to give a coma position to the patient. To be able to remove the foreign body on the airway with appropriate maneuver. To apply cervical collar (neck collar). To provide basic life support.	Halil Keskin, MD, Assoc.Proff		1			11, 13, 14, 38, 42, 44	

6. SESSION IV PEDIATRICS CLERKSHIP LEARNING METHODS

LEARNING METHODS OF PEDIATRICS CLERKSHIP PROGRAM
Learning Methods Related with Knowledge:
• Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences • On-the-job learning and assessment • Structured case discussion
Learning Methods Related with Medical practices:
• Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures • Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) • Independent learning
Learning Methods Related with Professionalism
• • Interdisciplinary learning activities (meetings, panels, forums, group discussions) • Critical situation discussionsı • Written visual texts readings and interpretations • On-the-job learning and assessment (MiniPET)

7. SESSION IV PEDIATRICS CLERKSHIP "STUDENT TRAINEE REPORT"

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the "Atatürk University Faculty of Medicine Trainee Report" which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV PEDIATRICS CLERKSHIP STUDENT TRAINEE REPORT			
Name:……Surname:……. **Student Number:** **Date::…../……/……**			
I- Basic Medicine Practices	**Learning Level****	**Number of Applications**	**Teaching Staff Approve (Date)**
A. Taking Anamnesis			
To be able to take general and problematic stories	4	1*	
To evaluate the mental status	4	1	
B. Physical Examination (General and Problem-Oriented)			
Anthropometric measurements	4	1*	
Head - neck and EAR-NOSE-THROATexamination	3	1	
Abdominal examination	4	1	
Consciousness assessment and mental state examination	4	1	
Child and newborn examination	4	1	
Skin examination	4	1	
Evaluation of general condition and vital signs	4	1	
Cardiovascular system examination	4	1	
Neurological examination	3	1	
Respiratory system examination	4	1	
C. Registration, Reporting and Notification			
To prepare patient file	**4**	1	
D. Laboratory Tests and Other Related Processes			
To be able to provide decontamination, disinfection, sterilization, antisepsis	4	1	
Capturing and evaluating ECG	3	1*	
To be able to measure and evaluate blood glucose with glucometer	4	1*	
To measure and evaluate bleeding time	2	1*	
To be able to make and evaluate peripheral smear	3	1*	
To be able to interpret the results of screening and diagnostic purposes	3	1*	
Measuring and evaluating transcutaneous bilib	3	1*	
Full urine analysis (including microscopic examination) and evaluate	3	1*	
E. Interventional and Non-Interventional Applications			
"Airway" application	3	1*	
Using medicine with care	4	1	
Ability to monitor growth and development in children (percentile curves, Tanner rating)	3	1	
Ability to apply defibrillation	4	1*	
To be able to take care of the baby after birth	3	1	
Hand washing	4	1	
Intubation	3	1*	
Evaluation of Glasgow coma scale	4	1	
To be able to give the patient a coma position	4	1	

Ability to remove the foreign body in the airway	3	1	
with the appropriate maneuver	3	1*	
Urinary catheter insertion	4	1	
Being able to measure blood pressure	4	1*	
Capillary blood sampling	3	1	
Being able to take samples for culture	3	1*	
Enema	1	1*	
Ability to perform lumbar puncture	3	1*	
Stomach washing	3	1*	
Minimental status examination	3	1	
To be able to apply nasogastric catheter	3	1*	
To be able to apply oxygen and nebul - inhaler treatment	4	1	
To be able to apply PPD test	3	1*	
To be able to apply and evaluate pulse oximetry	4	1	
Being able to apply cervical collar (neck collar)	4	1*	
Providing protection and transportation suitable for cold chain	4	1	
Providing basic life support	4	1	
Ability to take heel blood	4	1*	
Newborn vitalization	2	1*	
I. Scans			
Newborn metabolic and endocrine disease screening program	4	1	
I-Total Basic Medicine Practice score (out of 5 point)			
II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers) **Total Professionalism score (out of 5 point)**			
III- Clinical Problem Solving (out of 5) (Given from the performance shown in **Case Based Learning sessions)**			
TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)			

Teaching Staff
Date and Sign

Head of Department
Date and Sign

***** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

****Learning Level****

Learning Level**	**Explanation**
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

8. SESSION IV PEDIATRICS CLERKSHIP ASSESSMENT AND EVALUATION METHODS

ASSESSMENT AND EVALUATION METHODS IN PEDIATRICS CLERKSHIP
RACTICAL-ORAL EXAMINATION

• **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)
  ➢ **Basic Medicine Practices** (5 %).
  ➢ **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).
  ➢ **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5)
• **Practical Exam:** It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%)
• **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (85%)
• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.
• Students who fail the practical-oral examination, take the make-up exam.
• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam.

THEORETICAL EXAM
• It consists of a total of 100 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) • Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. • Students who fail the theoretical examination, take the make-up exam.
SUCCESS GRADE
• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.
MAKE-UP EXAM
• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.

SESSION IV GENERAL SURGERY CLERKSHIP GUIDE

Stajın Kodu	MED404	**Stajın Tipi**	Compulsory/Elective
Staj Süresi	8 weeks	**AKTS**	5

GENERAL SURGERY CLERKSHIP- Prerequisite Courses	
1	Taken the pre-clinical courses
2	Taken courses in the relevant committee (s) in session 3

REFERENCES (RESOURCE BOOK - OTHERS)	
1.	Schwartz General Surgery Book
2.	Sabiston General Surgery Book
3.	Basic Surgery Book (Iskender Sayek)

GENERAL SURGERY CLERKSHIP- RULES FOR STUDENTS	
1	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
2	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
3	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship..
4	Students are obliged to keep the “Ataturk University Faculty of Medicine Trainee Report” which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student’s assessment at the end of the clerkship.
4	Students will actively participate in lectures given by faculty members, visits, outpatient and endoscopy applications and surgeries.
5	In order to be successful at the end of the clerkship; Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the Trainee Report and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”..
7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “http://anket.atauni.edu.tr”. The participation link to the survey will be sent to the students by the dean's management.

1. SESSION IV GENERAL SURGERY CLERKSHIP- OBJECTIVE OF THE PROGRAM

OBJECTIVE OF THE GENERAL SURGERY CLERKSHIP PROGRAM	
1.	To be able to make a preliminary diagnosis and diagnosis of important, common internal diseases by considering the learning objectives specified in the core training program at the end of the General Surgery internship.
2.	To be able to perform emergency treatment by defining emergencies (such as acute abdomen, traumas, shock) for General Surgery
3.	To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria
4.	To be able to provide referral when necessary after emergency intervention and treatment
5.	Comprehend the importance of establishing a good patient-physician and physician-physician communication and develop their skills.
6.	To gain the knowledge, skills and professionalism characteristics determined for the internship.

2. SESSION IV GENERAL SURGERY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
Contribution levels	5	4	5	2	2	3	2	2	1	2	4	2	1	1	1	1	2	1	1	1
Program Qualifications	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**								
Contribution levels	1	4	4	1	1	1	2	1	3	3	4	3								

Contribution levels: *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

3. SESSION IV GENERAL SURGERY CLERKSHIP LEARNING OBJECTIVES

A. Frequent reasons for application: Competence is expected in terms of Clinical Symptoms / Signs / Status during the General Surgery clerkship period

GENERAL SURGERY CLERKSHIP- *LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS*					
1	Bloating in the abdomen	10	Hepatomegaly	19	Accidents (Home - work - traffic accidents, electric shock, falling, drowning)
2	Anorectal pain	11	Gynecomastia	20	*Corrosive exposure*
3	Fever	12	Constipation	21	lymphadenopathy
4	Mass on the neck	13	Abdominal pain	22	Melena-hematemesis
5	Nausea and vomiting	14	Mass in the abdomen	23	Breast discharge
6	Pelvic Mass	15	Mass in the groin / scrotum	24	Mass in the breast
7	*Breast Pain*	16	Weight gain / excess	*25*	Icterus
8	Hematocesia / Rectal bleeding	17	Weight loss	*26.*	*Wounds and injuries*

9	Hemoptysis	18	Colic pains (renal, biliary, intestinal)		

B. In terms of knowledge: It is expected to have knowledge at the levels determined in the **"Diseases / Clinical Problems"** listed below during the General Surgery clerkship period.

GENERAL SURGERY CLERKSHIP- ***CLINICAL PROBLEM LEARNING LEVELS***	
LEARNING LEVELS	**CLINICAL PROBLEM**
In the clinical problems mentioned in the column next to; **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary**	1. Acute abdominal syndrome 2. Lower gastrointestinal bleeding 3. Acid-base balance disorders 4. Hepatic coma 5. Hypoglycemia 6. Invagination 7. Abdominal wall / Groin hernias 8. Abdominal trauma 9. Compartment syndrome 10. Oncological emergencies 11. Sepsis 12. Fluid and electrolyte (sodium, potassium, calcium, magnesium, phosphorus) balance disorders 13. Shock 14. Upper gastrointestinal bleeding 15. Trauma and injuries 16. Acute pancreatitis 17. Appendicitis 18. Gas gangrene 19. Ileus 20. Blood and products transfusion complications 21. Common intravascular coagulation
In the clinical problems mentioned in the column next to; **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert**	22. Cushing's disease 23. Diaphragmatic hernias 24. Pheochromocytoma 25. Gastrointestinal tract tumors 26. Gastrointestinal tract motility disorders 27. Hepatosteatosis 28. Hyperparathyroidism 29. Hypoparathyroidism 30. Inflammatory bowel disease 31. Irritable bowel disease 32. Liver cirrhosis 33. Cyst hydatid disease 34. Cholecystitis, cholelithiasis 35. Colorectal cancers 36. Chronic pancreatitis 37. Lymphedema 38. Malabsorption 39. Breast diseases and tumors 40. Peritonitis 41. Pyloric stenosis 42. Thyroid tumors 43. Wilson disease
In the clinical problems mentioned in the column next to;	44. Acute hepatitis 1. Acute abdomen 2. Lower gastrointestinal bleeding 45. Abdominal wall / Groin hernias

To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures	1. Compartment syndrome 46. Obesity (endogenous - exogenous) 12. Fluid and electrolyte (sodium, potassium, calcium, magnesium, phosphorus) balance disorders 14. Upper gastrointestinal bleeding 47. Perianal abscess 48. Hyperthyroidism
In the clinical problems mentioned in the column next to; **Be able to Diagnose and Treat (DT)**	49. Anal fissure 50. Pressure sores 51. Dehydration 52. Iron deficiency anemia 53. Gastro - esophageal reflux 54. Hemorrhoids 55. Hypothyroidism 56. Peptic disease (ulcer) 57. Tuberculosis
In the clinical problems mentioned in the column next to; **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)**	44. Acute hepatitis 50. Pressure sores 51. Dehydration 52. Iron deficiency anemia 25. Cancers of the gastrointestinal tract 53. Gastro - esophageal reflux 58. Goiter 54. Hemorrhoids 31. Irritable bowel disease 32. Liver cirrhosis 33. Cyst hydatid disease 35. Colorectal cancers 9. Compartment syndrome 39. Breast diseases and tumors 46. Obesity 56. Peptic disease (ulcer) 12. Fluid and electrolyte (sodium, potassium, calcium, magnesium, phosphorus) balance disorders 57. Tuberculosis

C. In terms of skill: It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the General Surgery clerkship period.

GENERAL SURGERY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	**BASIC MEDICINE APPLICATIONS**
Skills specified in the adjacent column; performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application (LEARNING LEVEL 3)**	1. Digital rectal examination 2. To be able to read and evaluate direct radiographs 3. To open vascular access 4. Intubation 5. To be able to take a biological sample from the patient 6. IM, IV, SC, ID injection 7. Ability to insert urine catheter 8. To be able to take samples for culture

	9. Enema making 10. To be able to apply nasogastric catheter 11. To be able to perform oral, rectal, vaginal and topical drug applications 12. Ability to throw and remove superficial sutures 13. To be able to provide health education to the society
Skills specified in the adjacent column; Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application (LEARNING LEVEL 4)**	14. To be able to take general and problematic stories 15. To be able to evaluate mental state 16. Head neck, breast and abdomen examination 17. Lighting and obtaining consent 18. To prepare epicrisis 19. To prepare patient file 20. To be able to issue a recipe 21. To be able to prepare refusal of treatment document 22. To apply the principles of working with biological material 23. To be able to provide decontamination, disinfection, sterilization, antisepsis 24. To fill the request form for laboratory examination 25. Ability to take the sample of the laboratory under suitable conditions and deliver it to the laboratory 26. Hand washing 27. To be able to apply oxygen and nebul - inhaler treatment

D. In terms of Behavioral, Social and Humanities: It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the General Surgery clerkship period

GENERAL SURGERY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	4. Work and health interaction f. Accidents at work
	Environment and health interaction a. Healthy nutrition and food policies
	13. Accidents a. Home accidents b. Traffic accidents c. Accidents at work

E. In terms of Professionalism: Attitudes listed below are expected to be gained during the period of General Surgery clerkship

ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE GENERAL SURGERY CLERKSHIP
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine 2. Rights-based health approach 3. Communication skills, communication in difficult situations, interpersonal relations and teamwork 4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.

5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.
6. Patient rights, physician responsibility, patient-physician relationship.
7. Problems and dilemmas for professionalism / ethics in health processes.
8. Legal problems in health processes.
9. Research and publication ethics.
10. Determinants of health, inequality in health, social gender and health.
11. Health systems, health policies.
12. Health economics and management.
13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.
14. Work culture in coordination with other members of the team and disciplines
15. Being able to share their knowledge and professional experience with other members of the team,,

4. SESSION IV GENERAL SURGERY CLERKSHIP - WEEKLY COURSE PROGRAM

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	1. Week		
Monday	Information about internship and ethical and professional values in clinical practice	08.00-09.00	Prof.Dr. Müfide Nuran AKÇAY
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	09.00-10.00	Related teaching staff
	Surgical anamnesis, physical examination and diagnostic paths	10.00-12.00	Assoc.Prof.Dr. Esra DİŞÇİ
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	13.00-16.00	Related teaching staff
Tuesday	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-10.00	Related teaching staff
	Wound healing	10.00-12.00	Prof.Dr. S. Selçuk ATAMANALP
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	13.00-16.00	Related teaching staff
Wednesday	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-10.00	Related teaching staff
	Surgical diseases of the colon	10.00-12.00	Prof.Dr. Yavuz ALBAYRAK
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	13.00-14.00	Related teaching staff
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	14.00-16.00	Related teaching staff
Thursday	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-12.00	Related teaching staff
	Case-Based Learning (CBL) Session 1	13.00-14.00	Asst.Prof. Nurhak AKSUNGUR
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	14.00-16.00	Related teaching staff
Friday	Article, Seminar And Case Presentation Meeting	08.00-10.00	
	Abdominal pain, acute abdomen and peritonitis	10.00-12.00	Asst.Prof. Nurhak AKSUNGUR
	Case-Based Learning (CBL) Session 1	13.00-14.00	Assoc.Prof.Dr. Erdem KARADENİZ
	Traumatic acute abdomen	14.00-16.00	Asst.Prof. Nurhak AKSUNGUR
	2. Week		
Monday	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-10.00	Related teaching staff
	General information about transplantation and organ transplantation	10.00-12.00	Prof.Dr. Gürkan ÖZTÜRK
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	13.00-16.00	Related teaching staff
Tuesday	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-10:00	Related teaching staff
	Metabolic and endocrine response to trauma	10.00-12.00	Assoc.Prof.Dr. Murat KARTAL
	Case-Based Learning (CBL) Session 2	13.00-14.00	Assoc.Prof.Dr. Murat KARTAL
	Asepsis, antisepsis, disinfection	15.00-16.00	Assoc.Prof.Dr. Rıfat PEKSÖZ
Wednesday	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-10.00	Related teaching staff
	Fluid, electrolyte balance	10.00-12.00	Assoc.Prof.Dr. Murat KARTAL

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	13.00-14.00	Related teaching staff
	Mesenteric vascular diseases	14.00-16.00	Assoc.Prof.Dr. Erdem KARADENİZ
Thursday	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-10.00	Related teaching staff
	Shock and Multi Organ Failure	10.00-12.00	Assoc.Prof.Dr. Salih KARA
	Acid base balance	13.00-14.00	Assoc.Prof.Dr. Rıfat PEKSÖZ
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	14.00-16.00	Related teaching staff
Friday	Article, Seminar And Case Presentation Meeting	08.00-10.00	
	Gastrointestinal system bleeding	10.00-12.00	Asst.Prof. Esra DİŞÇİ
	Case-Based Learning (CBL) Session 2	13:00-14:00	Assoc.Prof.Dr. Murat KARTAL
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	14.00-16.00	Related teaching staff
	3.Week		
Monday	Case-Based Learning (Session 3)	09.00-10.00	Assoc.Prof.Dr. Esra DİŞÇİ
	Surgical diseases of the biliary system	10.00-12.00	Asst.Prof. Nurhak AKSUNGUR
	Case-Based Learning (Session 3)	13:00-14:00	Assoc.Prof.Dr. Murat KARTAL
	Grup 1(amly.),Grup 2(pol.)Grup 3(end.), Grup 4 (serv))	14:00-16:00	Related teaching staff
Tuesday	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-10.00	Related teaching staff
	Post-operative care	10.00-12.00	Prof.Dr. Müfide Nuran AKÇAY
	Case-Based Learning (CBL) Session 2	13.00-14.00	Assoc.Prof.Dr. Salih KARA
	Nutrition in surgery	14.00-16.00	Prof.Dr. Müfide Nuran AKÇAY
Wednesday	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-10.00	Related teaching staff
	Benign and malignant diseases of the anorectal region	10.00-12.00	Prof.Dr. M.İlhan YILDIRGAN
	Case-Based Learning (CBL) Session 2	13.00-14.00	Assoc.Prof.Dr. Rıfat PEKSÖZ
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	14.00-16.00	Related teaching staff
Thursday	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-10.00	Related teaching staff
	Stomas of gastrointestinal system	10.00-12.00	Assoc.Prof.Dr. Murat KARTAL
	Case-Based Learning (CBL) Session 3	13.00-14.00	Assoc.Prof.Dr. Murat KARTAL
	Blood transfusions	14.00-16.00	Asst.Prof. Necip ALTUNDAŞ
Friday	Article, Seminar And Case Presentation Meeting	08.00-10.00	
	Intestinal obstructions	10.00-12.00	Assoc.Prof.Dr. Murat KARTAL
	Case-Based Learning (CBL) Session 3	13.00-16.00	Asst.Prof. Necip ALTUNDAŞ
	4. Week		
Monday	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-10.00	Related teaching staff
	Portal hypertension	10.00-12.00	Prof.Dr. Gürkan ÖZTÜRK
	Case-Based Learning (CBL) Session 1	13.00-14.00	Asst.Prof. Nurhak AKSUNGUR
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	14.00-16.00	Related teaching staff
Tuesday	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-10.00	Related teaching staff
	Benign and malignant diseases of the pancreas	10.00-12.00	Asst.Prof. Necip ALTUNDAŞ
	Case-Based Learning (CBL) Session 2	13.00-14.00	Asst.Prof. Necip ALTUNDAŞ
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	14.00-16.00	Related teaching staff
Wednesday	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-10.00	Related teaching staff
	Endocrine tumors of gastrointestinal system	10.00-12.00	Assoc.Prof.Dr. Esra DİŞÇİ
	Case-Based Learning (CBL) Session 2	13.00-14.00	Assoc.Prof.Dr. Esra DİŞÇİ
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	14.00-16.00	Related teaching staff

Days	Subject of The Lesson	Lesson Time	Teaching Staff
Thursday	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-10.00	Related teaching staff
	Surgical diseases of the diaphragm and reflux disease	10.00-12.00	Assoc.Prof.Dr. Rıfat PEKSÖZ
	Case-Based Learning (CBL) Session 3	13.00-14.00	Asst.Prof. Necip ALTUNDAŞ
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	14.00-16.00	Related teaching staff
Friday			
	Midterm Exam	10.00-12.00	
Monday	**5. Week**		
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-10.00	Related teaching staff
	Surgical clinical ethics practices	10.00-12.00	Prof.Dr. Ahmet Nezih KÖK
	Case-Based Learning (CBL) Session 1	13.00-14.00	Assoc.Prof.Dr. Salih KARA
	Gastric cancer	14.00-16.00	Prof.Dr. Yavuz ALBAYRAK
Tuesday	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-10.00	Related teaching staff
	Surgical oncology	10.00-12.00	Prof.Dr. S.Selçuk ATAMANALP
	Case-Based Learning (CBL) Session 1	13.00-14.00	Assoc.Prof.Dr. Rıfat PEKSÖZ
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	14.00-16.00	Related teaching staff
Wednesday	Grup 1(amly.),Grup 2(pol.)Grup 3(end.), Grup 4 (serv)) Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-12.00	Prof.Dr. Müfide Nuran AKÇAY
	Case-Based Learning (CBL) Session 2	13.00-14.00	Assoc.Prof.Dr. Erdem KARADENİZ
	Pilonidal sinus and surgical treatment	14.00-16.00	Assoc.Prof.Dr. Rıfat PEKSÖZ
Thursday	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-10.00	Related teaching staff
	Morbid obesity	10.00-12.00	Prof.Dr. Müfide Nuran AKÇAY
	Case-Based Learning (CBL) Session 2	13.00-14.00	Asst.Prof. Nurhak AKSUNGUR
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	14.00-16.00	Related teaching staff
Friday	Article, Seminar And Case Presentation Meeting	08.00-10.00	
	Laparoscopic surgery	10.00-12.00	Prof.Dr. M.İlhan YILDIRGAN
	Case-Based Learning (CBL) Session 3	13.00-14.00	Asst.Prof. Necip ALTUNDAŞ
	Anamnesis examination and diagnosis ways in breast diseases and surgical diseases of the breast	14.00-16.00	Prof.Dr. Müfide N.AKÇAY
Monday	**6. Week**		
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-10.00	Related teaching staff
	Benign diseases of the liver	10.00-12.00	Prof.Dr. Gürkan ÖZTÜRK
	Case-Based Learning (CBL) Session 1	13.00-14.00	Assoc.Prof.Dr. Esra DİŞÇİ
	Malignant diseases of the liver	14.00-16.00	Prof.Dr. Gürkan ÖZTÜRK
Tuesday	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-10.00	Related teaching staff
	General information about the anterior abdominal wall hernias and Special hernia types	10.00-12.00	Assoc.Prof.Dr. Salih KARA
	Case-Based Learning (CBL) Session 2	13.00-14.00	Asst.Prof. Necip ALTUNDAŞ
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	14.00-16.00	Related teaching staff
Wednesday	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-12.00	Related teaching staff
	Case-Based Learning (CBL) Session 3	13.00-14.00	Assoc.Prof.Dr. Salih KARA
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	14.00-16.00	Related teaching staff
Thursday	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-10.00	Related teaching staff
	Acute apendicitis	10.00-12.00	Assoc.Prof.Dr. Erdem KARADENİZ
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	13.00-16.00	Related teaching staff

Days	Subject of The Lesson	Lesson Time	Teaching Staff
Friday	Article, Seminar And Case Presentation Meeting	08.00-10:00	
	Traumatical and surgical diseases of spleen	10.00-12.00	Assoc.Prof.Dr. Rıfat PEKSÖZ
	Case-Based Learning (CBL) Session 3	13.00-14.00	Assoc.Prof.Dr. Rıfat PEKSÖZ
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	14.00-16.00	Related teaching staff
Monday	**7. Week**		
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-10.00	Related teaching staff
	Definition of obstructive ıcterus, etiology, diagnostic routes, differential diagnosis with obstructive icterus and other icterus	10.00-12.00	Asst.Prof. Necip ALTUNDAŞ
	Case-Based Learning (CBL) Session 1	13.00-14.00	Asst.Prof. Necip ALTUNDAŞ
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	14.00-16.00	Related teaching staff
Tuesday	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-10.00	Related teaching staff
	Adrenal Diseases	10.00-12.00	Prof.Dr. Müfide Nuran AKÇAY
	Case-Based Learning (CBL) Session 1		
Wednesday	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-10.00	Related teaching staff
	Infections In Surgery	10.00-12.00	Assoc.Prof.Dr. Salih KARA
	Case-Based Learning (CBL) Session 2	13.00-14.00	Asst.Prof. Rıfat PEKSÖZ
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	14.00-16.00	Related teaching staff
Thursday	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	08.00-11.00	Related teaching staff
	Case-Based Learning (CBL) Session 2	11.00-12.00	Asst.Prof. Necip ALTUNDAŞ
	Case-Based Learning (CBL) Session 3	13.00-14.00	Assoc.Prof.Dr. Salih KARA
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	14.00-16.00	Related teaching staff
Friday	Article, Seminar And Case Presentation Meeting	08.00-11.00	
	Case-Based Learning (CBL) Session 1	11.00-12.00	Asst.Prof. Nurhak AKSUNGUR
	Case-Based Learning (CBL) Session 2	13.00-14.00	Assoc.Prof.Dr. Erdem KARADENİZ
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv)	14.00-16.00	Related teaching staff
Monday	**8. Week**		
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv	08.00-10.00	Related teaching staff
	Anamnesis, examination, ways of diagnosis and surgical diseases of thyroid in thyroid diseases	10.00-12.00	Prof.Dr. Müfide Nuran AKÇAY
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv	13.00-16.00	Related teaching staff
Tuesday	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv	08.00-12.00	Related teaching staff
	Group 1(amly.),Group 2(pol.)Group 3(end.), Group 4 (serv	13.00-14.00	Related teaching staff
	Surgical diseases of parathyroid gland	14.00-16.00	Assoc.Prof.Dr. Erdem KARADENİZ
Wednesday	Internship feedback meeting		Prof.Dr. Müfide Nuran AKÇAY
Thursday	Pratice Exam	08.30	
Friday	Theoretical Exam	08.30	

5. SESSION IV GENERAL SURGERY CLERKSHIP MATCHING COURSES WITH LEARNING OBJECTIVES

MATCHING GENERAL SURGERY CLERKSHIP COURSES WITH LEARNING OBJECTIVES							
Code	**Lesson Topic**	**Teaching Staff**	**Theoretical lesson**	**Practical lesson**	**Symptoms / Conditions**	**Clinical problem**	**Basic Medical Practices**

GS 001	Surgical anamnesis, physical examination and diagnostic paths		2				15
GS 002	Abdominal pain, acute abdomen and peritonitis		2		1, 13, 18	1, 19, 20	
GS 003	Traumatic acute abdomen		2		1, 13, 19	1, 10, 11	
GS 004	Surgical diseases of the colon		2		8, 17	2, 13, 24, 25, 31, 32, 33, 38, 52, 53, 64, 79, 82	
GS 005	Wound healing		2		26	62	13
GS 006	General information about transplantation and organ transplantation		2		10, 25	6, 35, 50	16, 20
GS 007	Metabolic and endocrine response to trauma		2		19	3, 5, 10, 11, 16	
GS 008	Asepsis, antisepsis, disinfection		1			14	24, 27
GS 009	Gastrointestinal system bleeding		2		8, 9, 22	2, 16, 17, 64	1, 11
GS 010	Mesenteric vascular diseases		2		1, 13	5, 14, 15, 16, 18	
GS 011	Fluid, electrolyte and acid base balance		2		5, 8, 22	2, 5, 15, 16, 17, 46, 53	
GS 012	Shock and Multi Organ Failure		2		8, 19, 22	2, 3, 4, 5, 7, 11, 15, 16, 17	
GS 013	Surgical diseases of the biliary system		2		3, 5, 18, 25	35, 37	
GS 014	Post-operative care		2				4, 7, 8, 9, 10, 11, 12, 13
GS 015	Nutrition in surgery		2			41	
GS 016	Benign and malignant diseases of the anorectal region		2		2, 8, 12, 17, 22	2, 13, 24, 43, 44, 53, 61, 67	
GS 017	Stomas of gastrointestinal system		2			13, 38, 53	
GS 018	Intestinal obstructions		2		1, 5, 13, 14	13, 15, 43, 53	
GS 019	Blood transfusions		2		8, 22, 19	2, 4, 10, 11, 16, 17, 34	
GS 020	Portal hypertension		2		10, 25	6, 35, 48	
GS 021	Benign and malignant diseases of the pancreas		2		1, 5, 13, 14, 17	3, 7, 13, 19, 39	
GS 022	Endocrine tumors of gastrointestinal system		2		1, 5, 13, 14, 17	7, 13, 15, 53	
GS 023	Surgical diseases of the diaphragm and reflux disease		2		5, 6	22, 76	
GS 024	Morbid obesity		2		16	56	
GS 025	Pilonidal sinus and surgical treatment		2				
GS 026	Gastric cancer		2		8, 13, 17, 22	13, 1724, 46, 60, 64, 75	
GS 027	Laparoscopic surgery		2				
GS 028	Anamnesis examination and diagnosis ways in breast diseases and surgical diseases of the breast		2		23, 24	40, 42	17
GS 029	Benign diseases of the liver		2		10, 13, 18, 25	6, 27, 35, 36, 48	
GS 030	Malignant diseases of the liver		2		10, 13, 18, 25	35, 50	
GS 031	General information about the anterior abdominal wall hernias and Special hernia types		2		5, 15	9, 53	
GS 032	Acute Appendicitis		2		3, 5, 13	1, 20	
GS 033	Surgical diseases and trauma of the spleen		2				

GS 034	Definition of obstructive ıcterus, etiology, diagnostic routes, differential diagnosis with obstructive icterus and other icterus		2		3, 13, 25	1, 50	
GS 035	Adrenal Diseases		2			21, 23	
GS 036	Infections In Surgery		2		3	14	
GS 037	Surgical oncology		2		14, 17	13, 24, 38	
GS 038	Anamnesis, examination, ways of diagnosis and surgical diseases of thyroid in thyroid diseases		2		4	29, 47	
GS 039	Surgical disease of parathyroid.		2		4	28, 30	
GS 040	CBE (Case-Based Learning)			24			1, 3, 15, 17

6. SESSION IV GENERAL SURGERY CLERKSHIP LEARNING METHODS

LEARNING METHODS OF GENERAL SURGERY CLERKSHIP PROGRAM
Learning Methods Related with Knowledge:
• Bedside trainings, visits, structured focused patient visit; service, but operating room and outpatient experiences • On-the-job learning and assessment • Structured case discussion
Learning Methods Related with Medical practices:
• Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures • Interdisciplinary learning activities (meetings, panels, group discussions) • Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) • CBL (Case-based learning) • Independent learning
Learning Methods Related with Professionalism
• Interdisciplinary learning activities (meetings, panels, forums, group discussions) • Critical situation discussions • Reflection sessions • Gamification, psychodrama • Written visual text / readings, interpretations • Student development file (portfolio) application • On-the-job learning and assessment (MiniPET)

7. SESSION IV GENERAL SURGERY CLERKSHIP "STUDENT TRAINEE REPORT"

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the "Atatürk University Faculty of Medicine Trainee Report" which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV GENERAL SURGERY CLERKSHIP STUDENT TRAINEE REPORT			
Name:……Surname:……. **Student Number:** **Data :…../……/……**			
I- Basic Medicine Practices	**Learning Level****	**Number of Applications**	**Teaching Staff Approve (Date)**
A. Taking Anamnesis			
To be able to take general and problematic stories	**4**	**3***	
B. Physical Examination (General and Problem-Oriented)			
Head, neck, breast and abdomen examination	**4**	3*	
C. Registration, Reporting and Notification			
Writing prescriptions	**4**	5*	
Preparing a patient file	**4**		
Preparing epicrises	**4**	5	
D. Laboratory Tests and Other Related Processes			
Taking the laboratory sample under suitable conditions and sending it to the laboratory under suitable conditions	**4**	3	
Filling the request form for laboratory examination	**4**	3	
To be able to interpret the results of screening and diagnostic purposes	**3**	5*	
E. Interventional and Non-Interventional Applications			
Digital rectal examination	**3**	5	
Enema	**3**	5	
To be able to apply nasogastric catheter	**4**	3	
Ability to throw and take superficial sutures	**4**	5	
I-Total Basic Medicine Practice score (out of 5 point)			
II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)Total Professionalism score (out of 5 point)			
III- Clinical Problem Solving (out of 5) Given from the performance shown in **Case Based Learning sessions)**			
TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)			
Teaching Staff **Date and Sign** **Head of Department** **Date and Sign**			

***** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

****Learning Level****

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

8. SESSION IV GENERAL SURGERY CLERKSHIP ASSESSMENT AND EVALUATION METHODS

ASSESSMENT AND EVALUATION METHODS IN GENERAL SURGERY CLERKSHIP
ACTICAL-ORAL EXAMINATION
• **Trainee Report:** Total contribution to the Practical-Oral Examination (15%) ➢ **Basic Medicine Practices** (5 %). ➢ **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%). ➢ **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (% 5) • • Mini-clinical examination: It is done as multiple choice questions evaluating clinical information and case-based multiple choice questions evaluating clinical decision making. (10%) • • Oral internship exam: Structured Oral Exam (structured fact-based questions evaluating clinical decision making and questions evaluating clinical information). Contribution to practice-oral exam at the end of internship (75%) • • Students who score less than 60 points in total over 100 full points from the practice-oral exam, in which the trainee scorecard is also evaluated, are considered unsuccessful. • • Students who fail the practice-oral exam, take the make-up exam. • • Students who fail the practical-oral exam cannot take the Theoretical (written-multiple choice) exam.
THEORETICAL EXAM
• • It consists of a total of 50 multiple choice questions. • - Multiple choice questions evaluating clinical information and case-based multiple choice questions evaluating clinical decision making. • Students who score less than 60 points out of 100 in the theoretical (written-multiple choice) exam are considered unsuccessful. • • Students who fail the theoretical (written-multiple choice) exam take the make-up exam of the internship.
SUCCESS GRADE
• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.
MAKE-UP EXAM
• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.

SESSION IV INTERNAL MEDICINE CLERKSHIP GUIDE

Code	MED405	**Type**	Compulsory/Elective
Period	8 weeks	**ECTS**	12

INTERNAL MEDICINE CLERKSHIP- Prerequisite Courses	
1	Taken the pre-clinical courses
2	Taken courses in the relevant committee (s) in session 3

REFERENCES (RESOURCE BOOK - OTHERS)	
1.	Up To Date
2.	Iç Hastalıkları Semiyoloji Kitabı- Senay Molvalılar-2016-ISBN9789758052837 Alfa Yayıncılık
3.	Harrison's Principles of Internal Medicine, 20e. J. Larry Jameson, Anthony S. Fauci, Dennis L. Kasper, Stephen L. Hauser, Dan L. Longo, Joseph Loscalzo. ISBN: 9781259644030.

INTERNAL MEDICINE CLERKSHIP- RULES FOR STUDENTS	
1	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
2	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
3	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
4	Students are obliged to keep the **"Ataturk University Faculty of Medicine Trainee Report"** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
5	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
6	**In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in "Atatürk University Faculty of Medicine Teaching and Exam Application Principles".
7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at "http://anket.atauni.edu.tr". The participation link to the survey will be sent to the students by the dean's management.

1. SESSION IV INTERNAL MEDICINE CLERKSHIP- OBJECTIVE OF THE PROGRAM

OBJECTIVE OF THE INTERNAL MEDICINE CLERKSHIP PROGRAM	
1.	To be able to make a preliminary diagnosis and diagnosis of important, common internal diseases by considering the learning objectives specified in the core training program at the end of the internal medicine internship.
2.	To be able to perform emergency treatment for internal diseases by defining emergencies (diabetic ketoacidosis, nonketotic hyperosmolar coma, adrenal insufficiency, hypercalcemia, hypocalcemia, oncological emergencies, hyperpotasemia, poisoning, kidney failure, shock, gastrointestinal bleeding)
3.	To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria.
4.	To be able to provide referral when necessary after emergency intervention and treatment.
5.	Comprehend the importance of establishing a good patient-physician and physician-physician communication and develop their skills.
6.	To gain the knowledge, skills and professionalism characteristics determined for the internship.

2. SESSION IV INTERNAL MEDICINE CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
Contribution levels	4	3	4	3	4	4	3	3	3	4	3	4	4	3	3	3	3	4	4	4
Program Qualifications	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**								
Contribution levels	4	4	4	4	4	4	4	4	4	4	4	4								

Contribution levels: *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

3. SESSION IV INTERNAL MEDICINE CLERKSHIP LEARNING OBJECTIVES

A. Frequent reasons for application: Competence is expected in terms of Clinical Symptoms / Signs / Status during the Internal Medicine clerkship period

INTERNAL MEDICINE CLERKSHIP- ***LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS***			
1.	Abdominal distension	44.	Gynecomastia
2.	Dry mouth	45.	Constipation
3.	Wound in the mouth	46.	Cardiac murmurs
4.	Agitation	47.	Bleeding tendency
5.	Amenorrhea	48.	Abdominal pain
6.	Anemia	49.	Mass in the abdomen
7.	Anxiety	50.	Muscle weakness
8.	Anorectal pain	51.	Pruritis
9.	Anuria-oliguria	52.	Weight gain
10.	Apnea	53.	Weight loss

11.	Fever	54.	Cladication intermittant
12.	Dizziness	55.	Colic pains (renal, biliary, intestinal)
13.	Headache	56.	Convulsions
14.	Changes of consciousness	57.	Suspicious genitalia
15.	Throat pain	58.	Lymphadenopathy
16.	Mass on the neck	59.	Melena /hematemesis
17.	Nausea and vomiting	60.	Breast discharge
18.	Epistaxis	61.	Edema
19.	Growth - developmental retardation	62.	Cough
20.	Sexual function problems	63.	Parasthesia
21.	Palpitations	64.	Petechia, purpura, ecchymosis
22.	Diplopia	65.	Polydipsia
23.	Clubbing	66.	Polyuria
24.	Problems with balance / movement	67.	Pollacuria / Nocturia
25.	Skin and nail changes (dryness, discoloration, etc.)	68.	Puberty disorders (early - late)
26.	Dysphagia	69	Hair loss
27.	Dyspepsia	70.	Jaundice
28.	Dyspnea	71.	Cyanosis
29.	Diarrhea	72.	Stings (bugs) / Bites
30.	Dysuria	73.	Splenomegaly
31.	Joint pain/swelling	74.	Sweating changes
32.	Movement restriction in joints	75.	Tetani
33.	Fecal incontinence	76.	Tremor
34.	Weakness	77.	Forgetfulness
35.	Hematocesia / Rectal bleeding	78.	Corrosive exposure
36.	Hematuria	79.	Death
37.	Hemoptysis	80.	Immunization
38.	Hepatomegaly	81.	Exercise and physical activity
39.	Hypertension	82.	Health in different stages of life (Pregnancy, birth, puerperium, newborn, childhood, adolescence, adulthood, menopause - andropause, old age, terminal period, death)
40.	Hypotension	83.	Prevention of chronic diseases
41.	Hirsutism	84.	Healthy diet and changing lifestyle
42.	Undesirable effects of drugs / drug interactions	85.	Elderly Health
43.	Loss of appetite		

B. In terms of knowledge: It is expected to have knowledge at the levels determined in the **"Diseases / Clinical Problems"** listed below during the Internal Medicine clerkship period.

INTERNAL MEDICINE CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*	
LEARNING LEVELS	**CLINICAL PROBLEM**
In the clinical problems mentioned in the column next to; **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary**	1. Adrenocortical insufficiency 2. Lung edema 3. Acute kidney failure 4. Acute glomerulonephritis 5. Acute abdomen 6. Allergic reaction 7. Lower gastrointestinal bleeding 8. Anaphylaxis 9. Sudden death 10. ARDS 11. Acid-Base balance disorder 12. Crush injury 13. Dehydration 14. Acute complications of diabetes 15. HELLP 16. Hypertensive attack 17. Hepatic coma 18. Hypoglycemia 19. Drug side effects 20. Vitamin K deficiency 21. Cardiopulmonary arrest 22. Cognitive disorders (delirium) 23. Coma 24. Oncological emergencies 25. Sepsis 26. Fluid electrolyte disturbances 27. Shock 28. Urticaria and angioedema 29. Upper gastrointestinal bleeding
In the clinical problems mentioned in the column next to; **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert**	30. Familial Mediterranean fever 31. Achalasia 32. Lung cancer 33. Acute pancreatitis 34. Amyloidosis 35. Aplastic anemia 36. Avitaminosis 37. Head and neck cancers 38. Behçet's disease 39. Cystic diseases of the kidney 40. Cushing's disease 41. Skin tumors 42. Diverticular disease 43. Diabetes insipitus 44. Pheochromocytoma 45. Cancers of the gastrointestinal tract 46. Gastrointestinal tract motility disorders 47. Gout disease 48. Hemoglobinopathies 49. Hemochromatosis 50. Hemolytic anemias 51. Hemolytic uremic syndrome-Thrombotic thrombocytopenic purpura 52. Hepatosteatosis 53. Hyperparathyroidism 54. Hyperthyroidism 55. Pituitary disorders

	56. Hypoparathyroidism 57. Irritable bowel disease 58. Intestinal polyposis 59. Inflammatory bowel disease 60. Blood and blood products transfusion complications 61. Bleeding diathesis 62. Liver Cirrhosis 63. Bone tumors 64. Cyst hydatid disease 65. Cholecystitis, Cholelithiasis 66. Colorectal cancers 67. Congenital adrenal hyperplasia 68. Chronic glomerulonephritis 69. Chronic hepatitis 70. Chronic lung disease 71. Chronic pancreatitis 72. Lymphoproliferative diseases 73. Leukemia 74. Malabsorption 75. Bladder cancer 76. Myeloproliferative diseases 77. Osteoporosis 78. Ovarian cancer 79. Paraneoplastic syndromes 80. Peripheral neuropathy 81. Peritonitis 82. Polycystic ovary syndrome 83. Polymyositis and Dermatomyositis 84. Portal hypertension 85. Prostate cancer 86. Reynaud's disease 87. Rheumatoid arthritis 88. Secondary hypertension 89. Cervical cancer 90. Systemic lupus erythematosus 91. Sjögren's syndrome 92. Scleroderma 93. Spondyloarthropathies 94. Testicular tumor 95. Thyroid cancer 96. Thyroiditis 97. Tubulointerstitial diseases 98. Inappropriate ADH 99. Vasculitis 100. Wilson disease 101. Disseminated intravascular coagulation
In the clinical problems mentioned in the column next to; **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures**	1. Adrenocortical insufficiency 3. Acute kidney failure 4. Acute glomerulonephritis 102. Acute hepatitis 5. Acute abdomen 103. Acute rheumatic fever 6. Allergic reaction 7. Lower gastrointestinal bleeding 9. Sudden death 104. Arthritis 105. Assit 12. Crush injury 106. Dyslipidemia 14. Acute complications of diabetes

	15. Eclampsia / Preeclampsia / HELLP 107. Gestational diabetes 108. Henoch schönlein purpura 22. Cognitive disorders (delirium) 109. Chronic kidney failure 110. Metabolic syndrome 111. Nephrotic syndrome 112. Obesity 113. Polysitemia 25. Sepsis 26. Fluid electrolyte disorders 27. Shock 29. Upper gastrointestinal system bleeding 114. Foreign body aspiration
In the clinical problems mentioned in the column next to; **Be able to Diagnose and Treat (DT)**	115. Decubitis ulcers 13. Dehydration 116. Iron deficiency anemia 117. Diabetes mellitus 118. Essential hypertension 119. Gastroenteritis 120. Gastroesophageal reflux 121. Goiter 122. Hemorrhoids 123. Hypothyroidism 19. Drug side effects 20. Vitamin K deficiency 70. Chronic lung disease 124. Malnutrition 125. Megaloblastic anemia 126. Peptic disease 127. Urinary system infections 28. Urticaria and angioedema 128. Upper respiratory tract infections
In the clinical problems mentioned in the column next to; **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)**	32. Lung cancer 3. Acute kidney failure 102. Acute hepatitis 103. Acute rheumatic fever 34. Amyloidosis 8. Anaphylaxis 115. Decubitis ulcers 37. Head and neck cancers 12. Crush injury 13. Dehydration 116. Iron deficiency anemia 41. Skin tumors 106. Dyslipidemia 117. Diabetes mellitus 118. Essential hypertension 119. Gastroenteritis 45. Cancers of the gastrointestinal tract 120. Gastroesophageal reflux 121. Goiter 47. Gout disease 48. Hemoglobinopathies 122. Hemorrhoids 19. Drug side effects 57. Irritable bowel disease 20. Vitamin K deficiency

	62. Liver cirrhosis 63. Cyst hydatid disease 22. Cognitive disorders 66. Colorectal cancers 109.Chronic kidney failure 70. Chronic lung disease 75. Bladder cancer 110.Metabolic syndrome 112.Obezity 77. Osteoporosis 126.Peptic disease 85.Prostat cancer 89. Cervical cancer 26. Fluid electrolyte balance disorders 94. Testicular tumor 95. Thyroid cancer 127. Urinary system infection 128. Upper respiratory infection
In the clinical problems mentioned in the column next to; **be able to follow up (F) in necessary cases**	115. Decubitis ulcers 106. Dyslipidemia 117. Diabetes Mellitus 118. Essential hypertension 120. Gastroesophageal reflux 107. Gestational diabetes 121. Goiter 52. Hepatosteatosis 123. Hypothyroidism 19. Drug side effects 57. Irritable bowel syndrome 22. Cognitive disorders 109. Chronic kidney failure 70. Chronic obstructive pulmonary disease 124. Malnutrition 125. Megaloblastic anemias 110. Metabolic syndrome 112. Obesity 126. Peptic injury 82. Polycystic ovary syndrome 88. Secondary hypertension

C. In terms of skill: It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Internal Medicine clerkship period.

INTERNAL MEDICINE CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	**BASIC MEDICINE APPLICATIONS**
Skills specified in the adjacent column; **Knows** how to practice and **explains** the results to patients and / or relatives **(LEARNING LEVEL 1)**	1. Airway" application 2. Head and neck examination 3. Consciousness assessment and mental state examination 4. Digital rectal examination 5. To be able to read and evaluate direct radiographs 6. ECG capturing and evaluation 7. To be able to intubation 8. Ability to take biological sample from the patient 9. IM / IV / SC / ID injection

	10. Ability to insert urine catheter 11. To provide advanced life support 12. Ability to wash the stomach 13. To be able to make a minimental examination 14. To be able to apply nasogastric catheter 15. Neurological examination 16. Peripheral smear and evaluation 17. To be able to apply PPD test 18. Ability to organize reporting and notification 19. To be able to give health education to the society 20. To be able to fight infectious diseases in the society
Skills specified in the adjacent column; **In an emergency**, performs the application in accordance **with the guide / instruction (LEARNING LEVEL 2)**	21. Rational drug use 22. Anthropometric measurements 23. Illumination and getting consent 24. Abdominal examination 25. Being able to apply the principles of working with biological material 26. To be able to provide decontamination, disinfection, sterilization, antisepsis 27. Skin examination 28. Hand washing 29. To prepare epicrisis 30. Evaluation of general condition and vital signs 31. To be able to take general and problematic stories 32. Glaskow coma scale evaluation 33. To be able to follow blood sugar with glucometer 34. To prepare patient file 35. To be able to refer patients appropriately 36. To ensure that the patient is properly transported 37. To be able to measure blood pressure 38. To measure and evaluate bleeding time 39. Capillary blood sample collection 40. Cardiovascular system examination 41. To be able to fill the request form for laboratory examination 42. To be able to take the laboratory sample under appropriate conditions and deliver it to the laboratory. 43. Breast and axillary examination 44. To be able to evaluate the mental state 45. To be able to apply oxygen and nebul - inhaler treatment 46. To be able to issue a death certificate 47. To be able to issue a recipe 48. Ability to provide proper protection and transportation for the cold chain 49. Respiratory system examination 50. To be able to analyze and evaluate complete urine 51. To be able to prepare refusal of treatment document 52. Providing basic life support

D. In terms of Behavioral, Social and Humanities: It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the Internal Medicine clerkship period

INTERNAL MEDICINE CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	2. Addiction a. Alcohol b. Tobacco c. Drug
	5. Environment and health interaction a. Healthy nutrition and food policies b. Space and health c. Urbanization D. Environmental diseases to. Exposure to harmful environmental factors (air pollution, water pollution, chemicals, biocidal products, endocrine disrupter, wastes, etc.) 14. Chronic / Noncommunicable Diseases a. Monitoring and prevention of risk factors b. Management c. Multimorbidity d.The burden of the caregiver and the giver to. e. Indicators related to chronic diseases and inequalities arising from their distribution in societ f. Psycho-social aspects of symptoms and conditions such as chronic pain, dementia, sleep problems and depression
	19. Priority / disadvantaged groups c. Elders 25. Health conditions a. Nutrition b. Physical, mental activity and exercise c. Sedentary life l. Immunization 35. Aging a. The burden of the caregiver and the caregiver b. Elderly neglect and abuse c. Multi-morbidity and polypharmacy d. Improving elderly health e. Maintaining functionality f. Fragility g. Loneliness and social support needs h. Autonomy

E. In terms of Professionalism: Attitudes listed below are expected to be gained during the period of Internal Medicine clerkship

ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE INTERNAL MEDICINE CLERKSHIP
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine. 2. Rights-based health approach 3. Communication skills, communication in difficult situations, interpersonal relations and teamwork 4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine. 5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities. 6. Patient rights, physician responsibility, patient-physician relationship. 7. Problems and dilemmas for professionalism / ethics in health processes. 8. Legal problems in health processes. 9. Research and publication ethics. 10. Determinants of health, inequality in health, social gender and health. 11. Health systems, health policies. 12. Health economics and management. 13. Reflective thinking and practice, continuous individual and professional development, education and consultancy. 14. Work culture in coordination with other members of the team and disciplines 15. Being able to share their knowledge and professional experience with other members of the team,

4. SESSION IV INTERNAL MEDICINE CLERKSHIP - WEEKLY COURSE PROGRAM

Days	Subject of The Lesson	Lesson Time	Teaching Staff
Monday	**1. Week**		
	Approach to leukocytosis and leukopenia	08.10-09.00	Gülden SİNCAN MD
Tuesday	Acid/Base balance	08.10-09.00	Can SEVİNÇ MD
Wednesday	Approach to dysphagia	08.10-09.00	Bülent ALBAYRAK MD
Thursday	Sepsis and septic shock	08.10-09.00	Pınar TOSUN TAŞAR MD
Friday	Malabsorption	08.10-09.00	Bülent ALBAYRAK MD
Monday	**2. Week**		
	Approach to anaphylaxis	08.10-09.00	Adil Furkan KILIÇ MD
Tuesday	Approach to pituitary adenomas	08.10-09.00	Arzu BİLEN MD
Wednesday	Addison's Crisis	08.10-09.00	Arzu BİLEN MD
Thursday	Bleeding diathesis	08.10-09.00	Gülden SİNCAN MD
Friday	Urinary System Infections	08.10-09.00	Can SEVİNÇ MD
Monday	**3. Week**		
	Approach to arthritis	08.10-09.00	Fuat ERDEM MD
Tuesday	Evaluation of nutritional status	08.10-09.00	Büşra AKPINAR MD
Wednesday	Collagen tissue diseases	08.10-09.00	Gülden SİNCAN MD
Thursday	Enteral and Parenteral Nutrition	08.10-09.00	Pınar TOSUN TAŞAR MD
Friday	Osteomalacia-Osteoporosis	08.10-09.00	Arzu BİLEN MD
Monday	**4. Week**		
	Electrolyte disorders	08.10-09.00	Erdem ÇANKAYA MD
Tuesday	Transfusion and Apheresis treatment	08.10-09.00	Fuat ERDEM MD
Wednesday	Approach to lymphadenopathy	08.10-09.00	İlhami KİKİ MD
Thursday	Endocrine Hypertension	08.10-09.00	Güngör AKÇAY MD
Friday	Dyslipidemia	08.10-09.00	Güngör AKÇAY MD

Monday	**5. Week**		
	Approach to hyperglycemia	08.10-09.00	İlyas ÇAPOĞLU MD
Tuesday	Approach to hypoglycemia	08.10-09.00	İlyas ÇAPOĞLU MD
Wednesday	Approach to hypothyroidism	08.10-09.00	Habib BİLEN MD
Thursday	Diabetic Ketoacidosis and nonketotic coma	08.10-09.00	Habib BİLEN MD
Friday	Approach to acute hepatitis	08.10-09.00	Hakan DURSUN MD
Monday	**6. Week**		
	Peptic Ulcer and Related Diseases	08.10-09.00	Hakan DURSUN MD
Tuesday	Approach to ARY	08.10-09.00	Abdullah UYANIK MD
Wednesday	Approach to KRY	08.10-09.00	Abdullah UYANIK MD
Thursday	Approach to upper GI bleeding	08.10-09.00	Bülent ALBAYRAK MD
Friday	Evaluation of jaundice and liver enzyme tests	08.10-09.00	Hakan DURSUN MD
Monday	**7. Week**		
	Screening Methods and Prevention of Risk Factors in Cancer	08.10-09.00	Mehmet BİLİCİ MD
Tuesday	Basic Principles of Chemotherapy	08.10-09.00	Mehmet BİLİCİ MD
Wednesday	Antihypertensive drugs and their properties	08.10-09.00	Erdem ÇANKAYA MD
Thursday	Emergency Dialysis Indications	08.10-09.00	Can SEVİNÇ MD
Friday	Poisonings and Medication Overdoses	08.10-09.00	Arzu BİLEN MD
Monday	**8. Week**		
	Oncological emergencies	08.10-09.00	Aykut TURHAN MD
Tuesday	Cirrhosis and Alcoholic Liver Disease	08.10-09.00	Ömer YILMAZ MD
Wednesday	Inflammatory bowel diseases	08.10-09.00	Ömer YILMAZ MD
Thursday	Approach to Glomerular Diseases	08.10-09.00	Can SEVİNÇ MD
Friday	Granulomatous Diseases	08.10-09.00	Arzu BİLEN MD

***** Trainee students will be divided into groups at the beginning of the internship and will receive training in the relevant clinics alternately in the presence of a responsible lecturer and assistant physician.

****** Trainee students will be divided into groups at the beginning of the internship and will receive training in the relevant clinics alternately in the presence of a responsible lecturer and assistant physician.

******* Trainee students will be divided into groups at the beginning of the internship and will receive training in the relevant clinics alternately in the presence of a responsible lecturer and assistant physician.

5. SESSION IV INTERNAL MEDICINE CLERKSHIP MATCHING COURSES WITH LEARNING OBJECTIVES

MATCHING INTERNAL MEDICINE CLERKSHIP COURSES WITH LEARNING OBJECTIVES

Code	Lesson Topic	Teaching Staff	Theoretical lesson	Practical lesson	Symptoms / Conditions	Clinical problem	Basic Medical Practices	Behavioral, Social and Humanities
INT 001	Taking an anamnesis	F. Erdem	1		1-85	1-128	1-52	5a, 14abc, 25abc
INT 002	Diabetes Mellitus and complications-	I. Çapoğlu	2		2, 17, 25, 34, 53, 63, 65, 66, 81, 84	18, 106, 117	31, 33	5a, 14abc, 25abc
INT 003	Approach to GIS Bleeding Patient	F Albayrak	1		6, 21, 35, 48, 49, 59	7, 27, 29, 45, 66, 116, 122	4, 24, 30	-
INT 004	General Status Inspection	B.Yüksel	1		1, 2, 3, 11, 25, 31, 32, 37, 38, 39, 40, 41, 43, 45, 46, 51, 62, 83, 84, 85	2, 5, 9, 10, 13, 15, 16, 17, 26	1, 2, 3, 5, 6, 7, 9, 10, 30, 31, 33, 34, 37, 41, 47	5a, 14abc, 25abc

INT 005	Abnormalities in the blood count	F. Erdem	1		6, 11, 12, 13, 18, 21, 34, 38, 43, 47, 64	35, 50, 61, 73, 116	16, 38	5e
INT 006	Approach to the patient with anemia and differential diagnosis of hypoproliferative anemias (+ Aplastic anemia)	G.Sincan	1		6, 11, 12, 13, 18, 21, 34,38, 43, 47, 64	35, 50, 60, 61, 116	16, 38	5e
INT 007	Differential Diagnosis of Acquired Immune Hemolytic Anemias	G.Sincan	1		6, 21, 34, 70, 73	48, 50, 61	24, 31	-
INT 008	Abdominal Examination	B. Albayrak	1		1, 8, 9, 17,26, 27, 29, 30,33, 35	5, 29, 30, 33, 42, 45, 59, 62, 65, 81, 112	4, 10, 12, 24	-
INT 009	Approach to the Patient with Ascites	F. Albayrak	1		1, 6, 14, 23, 25, 27, 34,40, 43, 44, 47,50, 59, 70, 73, 76	29, 45, 62, 81, 128, 109, 111	15, 24	15, 24
INT 010	Liver Cirrhosis	Ö. Yılmaz	2		1,6,14, 23,25, 27, 34,40, 43, 44, 47, 50, 59, 70, 73, 76	20, 29, 61, 62, 81, 100	15, 24	15, 24
INT 011	Differential diagnoses of Acquired Non-Immune Hemolytic Anemias	I. Kiki	1		6, 21, 34, 70, 73	48, 61	24, 31	-
INT 012	Differential diagnosis of macrocytic anemias and Megaloblastic Anemias	F. Erdem	1		3, 6, 12, 13, 21, 25, 34, 43, 69, 77	19, 35, 61, 70, 80, 123, 125	16	5a
INT 013	Head and Neck Examination	G.Sincan	1		3, 15, 16, 18	8, 13, 28, 37, 41, 95, 96, 121, 128	1, 2	-
INT 014	Functional Gastrointestinal System Diseases	H.Dursun	1		1, 17, 26, 27, 29, 34, 43, 45, 48, 84	5, 31, 42, 45, 46, 57, 59, 66, 74, 92	4, 24, 30	-
INT 015	Iron deficiency anemia and differential diagnosis of Microcytic Anemias	G.Sincan	1		3, 6, 12, 21, 25, 26, 28, 34, 43, 69	29, 45, 46, 60, 61, 116, 122	16, 31	5a
INT 016	Approach to the patient with lymphadenopathy and Lymphoproliferative Diseases	I. Kiki			6, 11, 21, 34, 38, 43, 47, 58, 64, 73	61, 72	16, 30	-
INT 017	Peptic Ulcer Disease	H.Dursun	1		1, 17, 27, 48, 55	29, 33, 45, 62, 116, 124	24	-
INT 018	Gastroesophageal Reflux Disease	H.Dursun	1		1, 17, 27, 48, 55	19, 29, 45, 46, 120, 126	26, 31	-

INT 019	Approach to the patient with splenomegaly and Chronic Leukemias	F. Erdem	1		6, 11, 21, 34, 38, 43, 47,58, 64, 73	24, 50, 61, 73, 124	16, 30	-
INT 020	Approach to the patient with splenomegaly and Myelopiroliferative Disease	I. Kiki	1		13, 22, 35,47, 73	29, 47, 61, 73	24	14abc
INT 021	Cardiac Semiology	A. Bilen	1		21, 28, 34, 46, 71, 79	2, 3, 9, 16, 21, 26, 103, 105, 106, 110	6, 11, 37, 40, 52	14abc
INT 022	Malabsorption Syndromes	B. Albayrak	2		1, 3, 6, 11,17, 27, 29, 34,35, 43, 48, 49,53, 59	11, 13, 20, 26, 36, 46, 59, 74, 105, 124	4, 24, 31	14abc
INT 023	Respiratory System Semiology	B.Yüksel	1		21, 28, 34, 46, 71, 79	2, 8, 10, 32, 70, 128	1, 5, 7, 11, 45, 49, 52	14abc
INT 024	Approach to bleeding diathesis and thrombosis	I. Kiki	1		6, 21, 31, 32, 34, 42, 47	25, 51, 61, 62, 76, 90, 99, 101, 109, 111, 116,	5, 16, 27, 38	14abc
INT 025	Inflammatory Bowel Diseases	F. Albayrak	1		1, 3, 6, 11,17, 27, 29, 34,35, 43, 48, 49,53, 59	7, 11, 13, 20, 25, 26, 36, 61, 74, 104, 116, 124	4, 24, 31	14abc
INT 026	Differential diagnosis of ITP	F. Erdem	1		6, 11, 21, 34, 38, 43, 47,58, 64, 73	19, 25, 29, 61, 90, 101	16, 30	14abc
INT 027	Pancreatic Diseases	Ö. Yılmaz	1		1, 11, 17, 43, 48, 55	3, 5, 9, 10, 11, 13, 25, 26, 27, 29, 71, 74, 124	24	-
INT 028	Acute Leukemias	G.Sincan	1		6, 11, 21, 34, 38, 43, 47,58, 64, 73	61, 73	16, 30	5e
INT 029	Blood and blood product transfusion complications	I. Kiki	1		11, 17, 21, 42, 51	2, 6, 8, 9, 10, 11, 16, 23, 26, 27, 28, 50, 61	9, 30	-
INT 030	Tumors of the Gastrointestinal Tract	F. Albayrak	1		1, 6, 17, 23, 26, 27, 34,35, 43, 48, 49,53, 59	5, 7, 29, 45, 66, 79, 116, 124	4, 12, 24	5e, 14abc
INT 031	Endocrine System Semiology	A. Bilen	1		2, 5, 12, 13, 14, 21, 28,34, 40, 41, 42,43, 44, 52, 53,60, 68, 69, 74,76, 81, 83	1, 14, 18, 40, 43, 44, 53, 54, 55,56, 67, 77, 82, 95,96, 98, 112, 117, 123	27, 30, 35, 37	5ae, 14abc, 25abc
INT 032	Plasma Cell Disorders	G.Sincan	1		6, 11, 21, 34, 38, 43, 47,58, 64, 73	3, 11, 24, 25, 26, 61, 73, 109	16, 30	-
INT 033	Chronic Hepatitis	H. Dursun	1		25, 73	20, 23, 29, 61, 62, 69,	24, 30, 31, 32, 34, 35	14abc, 25ı
INT 034	Urinary System Semiology	C. Sevınç	1		9, 17, 19, 20, 23, 25, 34,36, 39, 40, 43,47,	3, 4, 12, 13, 19, 26, 39, 68, 97, 109, 111, 118, 127	10, 34, 37, 47, 50	5a, 14a, 25a, 25c

					54, 65, 66,67, 83, 84			
INT 035	Dyslipidemia	G. Akçay	1		81, 83, 84	14, 19, 106, 111, 112	19, 31, 34, 41, 47	4ae, 14a
INT 036	Diabetes Insipitus and Inappropriate ADH Syndrome	I.Çapoğlu	1		9, 66	11, 13, 26, 43	10, 21, 41, 42	1ae, 14abc, 25abl
INT 037	Diagnostic Methods Used in Nephrology	C. Sevınç	1		9, 19, 20, 30, 36, 39, 40,42, 46, 52, 65,66, 67, 80, 82, 83	2, 3, 4, 11, 12,13, 16, 21, 22, 26, 109	10, 41, 42	5ae, 14abc
INT 038	Endocrine Hypertension	G. Akçay	1		4, 21, 22, 39, 40, 46	16, 44, 53, 54, 55	21, 30, 31, 33, 41, 42, 47	4ae, 14abc
INT 039	Acute kidney injury	C. Sevınç	1		36, 43, 65,66, 67	2, 3, 4, 9, 11, 13, 16, 26, 30, 34,38, 51, 68, 87, 90,91, 99, 108, 109, 111, 117, 118	3, 4, 11, 12, 13, 15, 19	5ae, 14abc
INT 040	Calcium Metabolism Disorders	H. Bılen	2		4, 14, 19, 34, 45, 50, 55, 66, 67, 75	11, 12, 13, 19, 24, 26, 27, 53, 56, 79	3, 6, 8, 34, 35, 40, 41, 42, 44	5ae, 14abc
INT 041	Chronic Kidney Disease	C. Sevınç	1		9, 12, 13, 14, 17, 19, 20,23, 25, 34, 39,42, 43, 44, 45,47, 51, 52, 53,61, 66, 67, 69,83, 84	2, 3, 4, 9, 11, 13, 16, 26, 30, 34,38, 51, 68, 87, 90,91, 99, 108, 109,111, 117, 118	29, 30, 34, 35, 37, 41, 42	5ae, 14abc
INT 042	Locomotor System Semiology	P. T. Taşar	1		24, 31, 32, 34	30, 38, 47, 53, 56, 63, 77, 79, 83, 86, 87, 90, 91, 92, 123	30, 31, 34, 35, 36, 37, 41, 42, 47	5ae, 14abc
INT 043	Approach to Proteinuria	C. Sevınç	2		9, 11, 13, 14, 17, 28, 30,36, 37, 39, 40,46, 55, 56, 61,66, 67, 79, 83,84,	2, 3, 4, 9, 11, 13, 16, 26, 30, 34,38, 51, 68, 87, 90,91, 99, 108, 109, 111, 117, 118	3, 5, 6, 10, 21, 24, 30, 31, 34, 35, 37, 40, 41, 44, 45, 47, 49, 50	5a, 14abc
INT 044	Hematopoietic System Semiology	G. Sıncan	1		4, 5, 11, 12, 13, 14, 16,21, 28, 34, 38,43, 46, 49, 53,58, 64, 70, 73,77, 79, 80, 84	19, 20, 21, 25,34, 35, 36, 37, 48,49, 50, 51, 60, 61,72, 73, 76, 90, 99, 113, 116, 125	2, 3, 5, 8, 16, 18, 19, 21, 24, 30, 31, 34, 38, 39, 42,	5a, 14abc
INT 045	Hyperthyroidism + Hypothyroidism	I.Çapoğlu	1		3, 4, 5, 6, 7, 11, 12, 13,14, 16, 19,20, 21, 22,24, 25,26, 28, 34, 39,40, 41, 43,44, 45, 46,50, 51,52, 53, 61, 68,69, 74, 76,77, 79, 81, 84	2, 11, 13, 16, 18, 21, 22, 23, 26,54, 55, 88, 95, 96, 106, 112	1, 2, 3, 5, 8, 15, 18, 19, 30, 31, 34, 35, 37, 40, 41, 42, 44,	14abc

INT 046	MEN VE OPS	G.Akçay	1		2, 5, 7, 12,13, 14, 19, 20,34, 39, 41, 50,52, 53, 57, 65,66, 68, 69, 74,75, 76	1, 11, 18, 26, 40, 43, 44, 53, 54,55, 56, 77, 88	1, 2, 3, 5, 8, 15, 18, 19, 30, 31, 34, 35, 37, 40, 41, 42, 44	5a, 14abc
INT 047	Primary Hypertension and Emergency Hypertension	A.Uyanık	1		7, 9, 12, 13, 14, 21, 22,24, 28, 36, 37,39, 40, 42, 46,56, 61, 79, 81,83, 84	2, 3, 4, 9, 11, 16, 19, 21, 26, 44, 88	3, 5, 6, 7, 10, 11, 15, 19, 21, 30, 31, 34, 35, 37, 40, 44, 45, 47, 49, 50, 52	5a, 14abc
INT 048	PCOS and Hirsutism	H.Bılen	1		5, 19, 20, 41, 52, 53, 57, 68, 69,	82, 106, 110, 112, 117	30, 31, 34, 41,	-5a, 14abc
INT 049	Renovascular Hypertension	A. Uyanık	1		7,9,12, 13,14, 21, 22,24, 28, 36, 37,39, 40, 42, 46,56, 61, 79, 81,83, 84	2, 3, 4, 9, 11, 16, 19, 21, 26, 40,44, 54, 68, 88	3, 5, 6, 7, 10, 11, 15, 19, 21, 30, 31, 34, 35, 37, 40, 44, 45, 47, 49, 50, 52	5a, 14abc
INT 050	Pituitary disorders	H.Bılen	1		2, 5, 13, 14, 20, 22, 24,34, 41, 44, 45,50, 52, 57, 65,66, 68, 69, 74,77,	1, 11, 13, 18, 22, 23, 26, 27, 40,43, 54, 55, 77, 98	3, 13, 15, 30, 31, 34, 37, 40, 41, 44,	5a, 14abc
INT 051	Crush Syndrome	A. Uyanık	1		9, 14, 34, 39, 40, 46, 50,56, 61, 66, 79, 83	2, 3, 4, 11, 12, 13, 16, 21, 22, 26, 109	1, 3, 6, 7, 10, 11, 19, 30, 31, 32, 34, 35, 36, 37, 40, 41, 45, 46, 50, 52	5a, 14abc
INT 052	Tubulointerstitial Diseases	E. Çankaya	1		9, 17, 21, 30, 36, 39, 42,46, 50, 61, 66,79, 83, 84	2, 3, 4, 11, 12, 13, 16, 21, 22, 26, 109	8, 10, 11, 21, 30, 31, 34, 35, 37, 40, 41, 50	5e, 14abc
INT 053	Geriatric Semiology	B.Akpınar	1		33, 34, 42,43, 45, 53, 77,79, 80, 83, 84, 85	13, 19, 22, 26, 77, 124	3, 13, 21, 34,	1b, 14abcdef
INT 054	Obesity and Metabolic Syndrome	G.Akçay	1		2, 13, 34, 39, 44	18, 40, 47, 82, 106, 110, 117, 123	6	5ae, 14abc
INT 055	Fluid Electrolyte Balance Disorders	E. Çankaya	2		12, 13, 14,24, 34, 77, 79	3, 11, 12, 13, 19, 26, 27, 79, 98, 109	3, 10, 15, 21, 30, 31, 37, 40, 41, 49, 50, 52	14abc, 19c, 35abcdefgh
INT 056	Renal Replacement Therapies	C. Sevınç	1		9, 17, 20, 25, 34, 39, 40,43, 46, 51, 56,61, 79, 80, 81, 84	2, 3, 4, 11, 12, 13, 16, 21, 22, 26, 109	5, 6, 10, 30, 31, 37, 40, 44, 49	5e, 14abc
INT 057	Cancer Formation Mechanisms Carcinogenesis	M.Bilici	1		6, 12, 34, 53, 59, 79, 80	19, 24, 26, 32, 37, 41, 45, 61, 66, 75, 85, 89, 94, 95	1, 2, 4, 19, 42, 52	5ae

INT 058	Diagnostic Methods in Oncology	M. Bılıcı	1		6, 12, 13, 17, 26, 34, 40,43, 45, 70, 79	19, 24, 26, 32, 37, 41, 45, 61, 66, 75, 85, 89, 94, 95	1, 2, 3, 4, 5, 6, 7, 8, 11, 34, 35, 47	5ae
INT 059	Screening Methods of Risk Factors in Cancer and Prevention	M. Bılıcı	1		6, 12, 13, 17, 26, 34, 40, 43, 45, 70, 79	19, 24, 26, 32, 37, 41, 45, 61, 66, 75, 85, 89, 94, 95		5ae, 14abc, 25abc,
INT 060	Cognitive Disorders in the Elderly	P. T. Taşar	1		4, 14, 42, 77, 79, 81, 83,85,	9, 13, 22, 26, 77, 115, 124	13, 15, 21, 31, 32, 34, 35, 44, 46, 47, 52	5ae, 14abc, 19c
INT 061	Metastatic Tumors Without Primer	M.Bilici			43, 62, 69, 79	19, 24, 26, 32, 41, 45, 61, 66, 75, 85, 89, 94, 95	1, 2, 29, 34, 35, 41, 42, 43, 45, 46, 47, 51, 52	5ae, 14abc, 25abc
INT 062	Malnutrition in the Elderly	P. T. Taşar	1		1, 26, 34, 42, 43, 45, 53, 79, 84, 85,	18, 19, 77, 124, 125	21, 22, 47	5ae, 14abc, 19c, 25abc,
INT 063	Basic Principles of Chemotherapy - 1	M. Bılıcı	2		43, 62, 69, 79	19, 24, 26, 32, 41, 45, 61, 66, 75, 85, 89, 94, 95, 124	1, 2, 29, 34, 35, 41, 42, 43, 45, 46, 47, 51, 52	5ae, 14abc, 25abc
INT 064	Polypharmacy and Drug Side Effects in the Elderly	P. T. Taşar	1		2, 12, 14, 24, 33, 34, 42, 43, 45, 79, 85	18, 19, 20, 22, 77	3, 21, 30, 31, 44	5ae, 14abc, 19c 25abc
INT 065	Vaccination in the Geriatric Population	P. T. Taşar	1		80, 83, 85	6, 8, 28	18, 19, 20, 30, 31, 47, 48	5ae, 14abc, 19c, 35abcdefgh
INT 066	Urinary and Fecal Incontinence in the Elderly	P. T. Taşar	1		30, 33, 42, 66, 67	19, 22, 115, 124	15, 34, 35	1b, 5ae, 14abc, 19c, 25abc
INT 067	Targeted Treatment in Oncology	M.Bilici	1		43, 62, 69, 79	24, 37, 41, 75, 78, 79, 89, 94, 95	1, 2, 29, 34, 35, 41, 42, 43, 45, 46, 47, 51, 52	5ae, 14abc, 25abc
INT 068	Familial Mediterranean Fever	AF. Kılıç	1		11, 31, 32, 48	5, 30, 34, 111	4, 5, 6, 24, 34, 35, 41, 42,	5ae
INT 069	Oncological Emergencies	M. Bılıcı	1		43, 62, 69, 79	24, 41, 75, 94, 95	1, 2, 29, 34, 35, 41, 42, 43, 45, 46, 47,51, 52	5ae, 14abc, 25abc
INT 070	Arthritis	AF. Kılıç	1		31	30, 38, 83, 86, 87, 90, 91, 92, 93, 99	21, 27, 34, 35, 47	5ae
INT 071	Paraneoplastic Syndromes	M. Bılıcı	1		43, 62, 69, 79	24, 41, 45, 75, 94, 95	1, 2, 29, 34, 35, 41, 42, 43, 45, 46, 47, 51, 52	5ae, 14abc, 25abc
INT 072	Cancer Immunology	M.Bilici	1		43, 62, 69, 79	24, 32, 37, 41, 66, 75, 94, 95,	1, 2, 29, 34, 35, 41, 42, 43, 45, 46, 47, 51, 52	5ae, 14abc, 25abc

INT 073	Henoch - Schönlein purpura	A.Bılen	1		9, 11, 31, 36, 42, 48, 51,61, 64	3, 4, 5, 7, 50, 99, 111	16, 24, 27, 30, 31, 34, 35, 36, 37, 38, 41, 42, 50, 52	5ae
INT 074	Palliative Treatment in Oncology	M.Bilici	1		3, 14, 16, 25, 26, 42, 43,45, 48, 49, 69, 70	11, 13, 18, 21,22, 23, 24, 26, 27,29, 32, 45, 95, 124	1, 5, 21, 29, 30, 41, 42, 49, 51, 52	5ae, 14abc, 25abc
INT 075	Systemic lupus erythematosus	A.Bılen	1		3, 6, 11, 13, 14, 31, 32,34, 50, 53, 64	3, 4, 90, 91, 104, 109, 111	2, 5, 15, 24, 30, 31, 34, 41	5ae
INT 076	Anaphylaxis	B.Yüksel	1		14, 21, 28,40, 51, 56, 61,71, 79	2, 6, 8, 10, 19,27, 28	1, 11, 12, 30, 31, 37, 40, 45, 49	5ae
INT 077	Common Cancers	M.Bilici	1		1, 6, 8, 11,12, 13, 16, 17,23, 26, 27, 28,29, 30, 33, 34,35, 36, 37, 38,43, 45, 49, 53,58, 59, 62, 64,70, 71, 73, 79, 84	7, 13, 18, 21, 24, 25, 26, 29, 32,37, 41, 45, 63, 66,75, 78, 89, 94	2, 4, 5, 8, 14, 24, 30, 31, 34, 41, 43, 46, 51	5ae, 14abc, 25abc

6. SESSION IV INTERNAL MEDICINE CLERKSHIP LEARNING METHODS

LEARNING METHODS OF INTERNAL MEDICINE CLERKSHIP PROGRAM
Learning Methods Related with Knowledge:
• Structured learning activities in clinical skill laboratories and simulated patient centers • Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences • On-the-job learning and assessment • Structured case discussion
Learning Methods Related with Medical practices:
• Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures • Interdisciplinary learning activities (meetings, panels, group discussions) • Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) • CBL (Case-based learning) • Independent learning
Learning Methods Related with Professionalism
• Critical situation discussionsı • Reflection sessions • Written visual texts readings and interpretations • Student development file (portfolio) application • On-the-job learning and assessment (MiniPET)

7. SESSION IV INTERNAL MEDICINE CLERKSHIP "STUDENT TRAINEE REPORT"

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the "Atatürk University Faculty of Medicine Trainee Report" which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV INTERNAL MEDICINE CLERKSHIP STUDENT TRAINEE REPORT			
Name:……Surname:…….			
Student Number:			**Date::…../……/……**
I- Basic Medicine Practices	**Learning Level****	**Number of Applications**	**Teaching Staff Approve (Date)**
A. Taking Anamnesis			
Genel ve soruna yönelik öykü alabilme	**4**	**5**	
B. Physical Examination (General and Problem-Oriented)			
Anthropometric measurements	**4**	5	
Abdominal examination	**3**	5	
Consciousness assessment	**4**	5	
Skin examination	**4**	5	
Evaluation of general condition and vital signs	**4**	5	
Cardiovascular system examination	**4**	5	
Musculoskeletal system examination	**3**	5	
Respiratory system examination	**4**	5	
C. Registration, Reporting and Notification			
Enlightenment and consent	**4**	5	
To prepare patient file	**4**	5	
D. Laboratory Tests and Other Related Processes			
Reading and evaluating direct radiographs	**4**	5	
To be able to measure and evaluate blood sugar with a glucometer	**4**	5	
To be able to interpret the results of screening and diagnostic purposes	**3**	5	
E. Interventional and Non-Interventional Applications			
Ability to open vascular access	**3**	5	
Hand washing	**4**	5	
IM, IV, SC, ID injection	**4**	5	
Being able to measure blood pressure	**4**	5	
Capillary blood sampling	**4**	5	
Minimental status examination	**3**	5	
To be able to apply oxygen and nebul - inhaler treatment	**4**	5	
To be able to apply and evaluate pulse oximetry	**3**	5	
I-Total Basic Medicine Practice score (out of 5 point)			
II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers) **Total Professionalism score (out of 5 point)**			
III- Clinical Problem Solving (out of 5) (Given from the performance shown in **Case Based Learning sessions)**			
TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)			
Teaching Staff **Date and Sign**		**Head of Department** **Date and Sign**	

***** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

****Learning Level****

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

8. SESSION IV INTERNAL MEDICINE CLERKSHIP ASSESSMENT AND EVALUATION METHODS

ASSESSMENT AND EVALUATION METHODS IN INTERNAL MEDICINE CLERKSHIP
RACTICAL-ORAL EXAMINATION

• **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)
  ➢ **Basic Medicine Practices** (5 %).
  ➢ **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).
  ➢ **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5)
• **Practical Exam:** It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%)
• **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %)
• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.
• Students who fail the practical-oral examination, take the make-up exam.
• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam.

THEORETICAL EXAM
• It consists of a total of 100 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) • Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. • Students who fail the theoretical examination, take the make-up exam. Sınavınızda çoktan seçmeli ve/veya yazılı sınav sorusu konusunda bilgi veriniz. Lütfen silmeyi unutmayınız)
SUCCESS GRADE
• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.
MAKE-UP EXAM
• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.

SESSION IV OBSTETRICS AND GYNECOLOGY CLERKSHIP GUIDE

Code	MED406	**Type**	Compulsory
Period	8 weeks	**ECTS**	12

OBSTETRICS AND GYNECOLOGY CLERKSHIP - Prerequisite Courses	
1	Taken the pre-clinical courses
2	Taken courses in the relevant committee (s) in session 3

REFERENCES (RESOURCE BOOK - OTHERS)	
1.	Williams Obstetrics
2.	Berek & Novak Gynecology
3.	Te Linde Gynecology Surgery

OBSTETRICS AND GYNECOLOGY CLERKSHIP - RULES FOR STUDENTS	
1	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
2	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
3	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
4	Students are obliged to keep the **"Ataturk University Faculty of Medicine Trainee Report"** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
5	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
6	**In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in "Atatürk University Faculty of Medicine Teaching and Exam Application Principles".
7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at "http://anket.atauni.edu.tr". The participation link to the survey will be sent to the students by the dean's management.

1. SESSION IV OBSTETRICS AND GYNECOLOGY CLERKSHIP - OBJECTIVE OF THE PROGRAM

OBJECTIVE OF THE OBSTETRICS AND GYNECOLOGY CLERKSHIP PROGRAM	
7.	To be able to make a preliminary diagnosis by evaluating the anatomy, physiological features of the female genital organs and the signs and symptoms of the diseases affecting them.
8.	To be able to make emergency treatment by defining emergencies for Obstetrics and Gynecology
9.	To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria
10.	To be able to provide referral in case of emergency after treatment and treatment
11.	To gain the knowledge, skills and professionalism characteristics determined for the clerkship

2. SESSION IV OBSTETRICS AND GYNECOLOGY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
Contribution levels	4		4			4		3		5	5	5	2	3	2	4	4	5	5	5
Program Qualifications	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**								
Contribution levels	5	5	5	5	4	5	5	5	5	4	4	5								

Contribution levels: *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

3. SESSION IV OBSTETRICS AND GYNECOLOGY CLERKSHIP LEARNING

A. Frequent reasons for application: Competence is expected in terms of Clinical Symptoms / Signs / Status during the OBSTETRICS AND GYNECOLOGY CLERKSHIP period

OBSTETRICS AND GYNECOLOGY CLERKSHIP- ***LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS***			
1	amenorrhea	13.	Suspicious genitalia
2	Nausea and vomiting	14.	Pelvic pain
3	Sexual function problems	15.	Puberty disorders (early - late)
4	dysmenorrhea	16.	Urinary incontinence
5	dysuria	17.	Vaginal discharge
6	Wound in the genital area	18.	Vaginal bleeding (during pregnancy, postpartum, post menopausal, others)
7	Hypertension (During Pregnancy)	19.	Healthy sex life
8	hirsutism	20.	Reproductive health and rights
9	Infertility (woman)	21.	Combating communicable diseases in the community
10	Abdominal pain	22.	Gender and health
11	Mass in the abdomen	23.	Bloating in the abdomen*
12	Convulsions (During Pregnancy)	24.	Pelvic mass

B. In terms of knowledge: It is expected to have knowledge at the levels determined in the **"Diseases / Clinical Problems"** listed below during the OBSTETRICS AND GYNECOLOGY CLERKSHIP period.

OBSTETRICS AND GYNECOLOGY CLERKSHIP- ***CLINICAL PROBLEM LEARNING LEVELS***	
LEARNING LEVELS	**CLINICAL PROBLEM**
In the clinical problems mentioned in the column next to; **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary**	1. Labor 2. Postpartum hemorrhage 3. Genito-urinary trauma 4. Abortion 5. Pregnancy-bleeding 6. Fetal distress at birth 7. Eclampsia, preeclampsia, HELLP syndrome 8. Troubled labor
In the clinical problems mentioned in the column next to;	9. Labor 10. Postpartum hemorrhage 11. Genito-urinary trauma 12. Abortion 13. Pregnancy-bleeding

Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert	14. Fetal distress at birth 15. Sexual function problems 16. Sexual orientation problems 17. Gestational diabetes mellitus 18. Endometriosis 19. Preeclampsia 20. Ectopic pregnancy 21. Intrauterine infections 22. Osteoporosis 23. Ovarian cancer 24. Pelvic mass 25. Polycystic ovary syndrome 26. Cervical cancer 27. RH incompatibility in pregnancy 28. 60. Pelvic Pain Syndrome 29. 62. Uterus tumors
In the clinical problems mentioned in the column next to; **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures**	30. Dysmenorrhea 31. Amenorrhea 32. Abnormal uterine bleeding 33. Intrauterine growth retardation 34. Genital infections 35. Birth trauma 36. Fetal distress 37. Eclampsia, preeclampsia, HELLP syndrome 38. Pregnancy standard monitoring 39. Pregnancy Risky Surveillance 40. Menopause 41. Urinary incontinence 42. Menstrual cycle disorder 43. Prenatal diagnosis 44. Gestational diabetes 45. Risky pregnancy 46. 61. Pelvic Inflammatory Disease
In the clinical problems mentioned in the column next to; **Be able to Diagnose and Treat (DT)**	47. Sexually transmitted infections 48. Dysuria 49. Postpartum hemorrhage 50. Labor 51. Hyperemesis gravidarum 52. Premenstrual syndrome
In the clinical problems mentioned in the column next to; **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)**	53. Intrauterine growth retardation 54. Genital infections 55. Sexually transmitted infections 56. Genital cancer screening 57. Birth trauma 58. Intrauterine infections 59. Osteoporosis 60. Premenstrual syndrome 61. Cervical cancer 62. Risky pregnancy 63. RH incompatibility in pregnancy 64. 61.Pelvic Inflammatory Disease
In the clinical problems mentioned in the column next to; **be able to follow up (F) in necessary cases**	65. Pelvic Pain syndrome

C. In terms of skill: It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the OBSTETRICS AND GYNECOLOGY CLERKSHIP period.

OBSTETRICS AND GYNECOLOGY CLERKSHIP - LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	**BASIC MEDICINE APPLICATIONS**
Skills specified in the adjacent column; **Knows** how to practice and **explains** the results to patients and / or relatives **(LEARNING LEVEL 1)**	----------
Skills specified in the adjacent column; **In an emergency**, performs the application in accordance **with the guide / instruction** **(LEARNING LEVEL 2)**	1. Ability to have normal spontaneous delivery 2. Opening and sewing episiotomy
Skills specified in the adjacent column; performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application** **(LEARNING LEVEL 3)**	3. To be able to take general and problematic stories 4. Abdominal examination 5. Pregnant examination 6. General situation and evaluation of vital signs 7. Gynecological examination 8. Lighting and consent 9. To prepare epicrisis 10. To prepare patient file 11. To be able to refer patients appropriately 12. Prescribing a recipe 13. Filling the request form for laboratory examination 14. Ability to take the laboratory sample under appropriate conditions and deliver it to the laboratory. 15. To be able to interpret the results of screening and diagnostic purposes 16. To be able to examine vaginal discharge sample (urogenital infection screening, fresh preparation preparation and care) and evaluate 17. Ability to open vascular access 18. To be able to take care of the mother after birth 19. Ability to insert urine catheter 20. Ability to teach breast self examination 21. Periodic examination, control (Cardiac risk calculation, adolescent counseling, tobacco counseling, cancer screening etc.) 22. IM, IV, SC, ID injection 23. Ability to insert urinary catheter 24. Being able to take samples for culture 25. To be able to take vaginal and cervical samples 26. Ability to throw and take superficial sutures 27. To be able to apply contraception methods correctly and to follow the users 28. To be able to perform oral, rectal, vaginal and topical drug applications

	29. Ability to take biological samples from the patient
Skills specified in the adjacent column; Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application** **(LEARNING LEVEL 4)**	30. To be able to take measures to stop / limit external bleeding 31. To be able to follow up pregnant and maternity 32. Follow-up and periodic health examinations at different stages of life (pregnancy, birth, puerperium, newborn, childhood, adolescence, adulthood, old age)

D. In terms of Behavioral, Social and Humanities: It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the OBSTETRICS AND GYNECOLOGY CLERKSHIP period

OBSTETRICS AND GYNECOLOGY CLERKSHIP– LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	

E. In terms of Professionalism: Attitudes listed below are expected to be gained during the period of OBSTETRICS AND GYNECOLOGY CLERKSHIP

ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE OBSTETRICS AND GYNECOLOGY CLERKSHIP

1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine.

2. Rights-based health approach

3. Communication skills, communication in difficult situations, interpersonal relations and teamwork

4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.

5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.

6. Patient rights, physician responsibility, patient-physician relationship.

7. Problems and dilemmas for professionalism / ethics in health processes.

8. Legal problems in health processes.

9. Research and publication ethics.

10. Determinants of health, inequality in health, social gender and health.

11. Health systems, health policies.

12. Health economics and management.

13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.

14. Work culture in coordination with other members of the team and disciplines

15. Being able to share their knowledge and professional experience with other members of the team,

4. SESSION IV OBSTETRICS AND GYNECOLOGY CLERKSHIP - WEEKLY COURSE PROGRAM

Days	Subject of The Lesson	Lesson Time	Teaching Staff
Monday	**1. Week**		
	Taking a gynecological and obstetric history from a patient, keeping records and preparing reports	10:00-11:50	Prof.Dr.Bünyamin BÖREKÇİ
	Obtaining accurate and sufficient information from patients and their relatives	14:00-15:50	Prof.Dr.Bünyamin BÖREKÇİ
Tuesday	Gaining the skills of opening vascular access, taking a venous capillary blood sample, inserting a urinary catheter	10:00-11:50	Assoc.Prof.Emsal Pınar TOPDAĞI YILMAZ
Wednesday	Pregnancy examination	10:00-11:50	Prof.Dr.Metin İNGEÇ
Thursday	Fluid electrolyte therapy	13:30-15:20	Prof.Dr.Ragıp Atakan AL
Thursday	Non-stress testing and evaluation	10:00-11:50	Assoc.Prof.Gamze Nur CİMİLLİ ŞENOCAK
Friday	Understanding and assessing the urgency of a gynecological and obstetric patient	10:00-11:50	Prof.Dr.Ragıp Atakan AL
Monday	**2. Week**		
	Gynecological physical examination	10:00-11:50	Prof.Dr.Ragıp Atakan AL

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	Providing adequate and understandable information about the disease to patients and their relatives.	13.30-15.20	Prof.Dr.Bünyamin BÖREKÇİ
Tuesday	Ability to apply superficial skin sutures, abscess drainage, vulvar and cervical local anesthesia	10:00-11:50	Assoc.Prof.Emsal Pınar TOPDAĞI YILMAZ
Wednesday	Ability to identify and guide high-risk pregnancies	10:00-11:50	Prof.Dr.Metin İNGEÇ
Thursday	Recommending contraception options, correct application and monitoring	13.30-15.20	Prof.Dr.Ragıp Atakan AL
Thursday	Spontaneous normal delivery and removal of the placenta	10:00-11:50	Assoc.Prof.Gamze Nur CİMİLLİ ŞENOCAK
Friday	Choosing the appropriate laboratory testing and diagnostic tool for the disease	10:00-11:50	Assoc.Prof.Emsal Pınar TOPDAĞI YILMAZ
Monday	**3. Week**		
	Ability to insert vaginal speculum, evaluate vulva, vagina and cervix.	10:00-11:50	Assoc.Prof.Emsal Pınar TOPDAĞI YILMAZ
	To be able to provide accurate and sufficient information to patients and their relatives about possible interventions and treatment options and to obtain approval for treatment.	13.30-15.20	Prof.Dr.Bünyamin BÖREKÇİ
Tuesday	Necessary intervention skills in patients with postpartum hemorrhage	10:00-11:50	Assoc.Prof.Emsal Pınar TOPDAĞI YILMAZ
Wednesday	Antenatal follow-up of pregnant women	13:30-15:20	Prof.Dr.Metin İNGEÇ
Thursday	To be able to develop a differential diagnosis approach	10:00-11:50	Prof.Dr.Ragıp Atakan AL
Thursday	Postpartum maternal care	10:00-11:50	Assoc.Prof.Gamze Nur CİMİLLİ ŞENOCAK
Friday	Evaluate frequently requested laboratory tests in gynecology and obstetrics and reproductive endocrinology	10:00-11:50	Prof.Dr.Bünyamin BÖREKÇİ
Monday	**4. Week**		
	Taking a vaginal swab and evaluating the results	10:00-11:50	Assoc.Prof.Gamze Nur CİMİLLİ ŞENOCAK
	Developing communication skills in situations that require special approach, such as cancer and disability	13.30-15.20	Prof.Dr.Bünyamin BÖREKÇİ
Tuesday	To be able to provide counseling on teratogenic during pregnancy	10:00-11:50	Assoc.Prof.Emsal Pınar TOPDAĞI YILMAZ
Wednesday	Choosing drugs that can be used in pregnant and breastfeeding women and calculating the drug doses to be applied correctly	13:30-15:20	Prof.Dr.Metin İNGEÇ
Thursday	Ability to communicate effectively with patients and physicians and to access information sources effectively.	10:00-11:50	Prof.Dr.Ragıp Atakan AL
Thursday	Ability to monitor and direct health in menopause	10:00-11:50	Assoc.Prof.Gamze Nur CİMİLLİ ŞENOCAK
Friday	To be able to choose early diagnosis and screening tests in gynecological patients	10:00-11:50	Assoc.Prof.Gamze Nur CİMİLLİ ŞENOCAK

5. SESSION IV OBSTETRICS AND GYNECOLOGY CLERKSHIP MATCHING COURSES WITH LEARNING OBJECTIVES

MATCHING OBSTETRICS AND GYNECOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES								
Code	**Lesson Topic**	**TeachingStaff**	**Theoretical lesson**	**Practical lesson**	**Symptoms / Conditions**	**Clinical Problem**	**Basic Medical Practices**	**Behavioral, Social and Humanities**
KHD001	Information About Clerkship and Clinic Ethical and Professional Values in Practice		1					
KHD002	Menoposis and osteoporosis		1		1, 3	22, 28, 37	20, 21	
KHD003	Preterm labor	Prof. Dr. Metin INGEÇ	1		17	36, 42, 46	3, 5	
KHD004	Tocolysis	Prof. Dr. Metin INGEÇ	1			1, 8, 46, 42, 36		
KHD005	Polycystic ovary syndrome	Prof. Dr. Bünyamin BÖREKÇI	2		1, 15, 4	25, 56		
KHD006	Postterm pregnancy	Doç. Dr. Gamze Nur CIMILLI ŞENOCAK	1			8, 17, 30, 32, 36, 41, 42	5	
KHD007	Diabetes and pregnancy	Prof. Dr. Ragıp Atakan AL	1			1, 2, 3, 8, 9, 10	1, 2	
KHD008	Postmenoposal bleeding	Prof. Dr. Ragıp Atakan AL	1		1, 10, 18	28, 29, 37		
KHD009	Benign diseases of vulva and vagen	Doç. Dr. Emsal Pınar TOPDAĞI YILMAZ	2		6, 14, 17	50, 51, 31	24, 25, 28, 16	
KHD010	Early rupture of membranes	Doç. Dr. Gamze Nur CIMILLI ŞENOCAK	1		5, 17	5, 8, 13	3, 5, 16	
KHD011	Amenorrhea	Assoc. Prof. Dr. Gamze Nur CİMİLLİ ŞENOCAK	2		1, 4, 8	27, 28, 29, 37	7	
KHD012	Assessment of fetal health	Prof. Dr. Ragıp Atakan AL	2			35, 36, 40	5, 6	
KHD013	Teratology	Doç. Dr. Emsal Pınar TOPDAĞI YILMAZ	1			42		
KHD014	Endometrial cancer	Assoc. Prof. Dr. Emsal Pınar TOPDAĞI YILMAZ	2		1, 10, 18	24, 28, 29	29, 21, 7, 8	
KHD015	Premenstrural syndrome		1		4, 8	56		
KHD016	Dysmenorrhea		1		4	27		
KHD017	Pregnancy and Rh isoimmunization	Prof. Dr. Metin INGEÇ	2			36, 8		
KHD018	Pelvic organ prolapse	Doç. Dr. Emsal Pınar TOPDAĞI YILMAZ	2		16	11, 38	7	
KHD019	Pregnancy and heart diseases	Prof.Dr.Ragıp Atakan AL	2			36, 42	5	
KHD020	Intrauterine Fetal Demise	Assoc. Prof. Dr. Gamze Nur CİMİLLİ ŞENOCAK	1			8, 9, 10	31	
KHD021	Approach to the patient with an pelvic mass	Prof.Dr.Bünyamin BÖREKÇI	1		10, 11, 14	23, 24, 26, 29, 52, 57	4, 7, 15, 25	
KHD022	Evaluation of infertile couple	Doç. Dr. Gamze Nur CIMILLI ŞENOCAK	1		9	15, 25, 39		
KHD023	Chronic pelvic pain		1		10, 14			
KHD024	Uterine rupture		1		18	5, 2, 10, 13	30	
KHD025	Preeclampsia and eclampsia	Prof.Dr. Metin INGEÇ	2		7	7, 19, 34	6, 3	
KHD026	Urinary incontinence	Doç. Dr. Emsal Pınar TOPDAĞI YILMAZ	2		5, 16	38		
KHD027	Dystocia	Prof.Dr.Ragıp Atakan AL	2		8	1, 3, 8, 9, 11		
KHD028	Fetal growth restriction: Evaluation and management	Prof. Dr. Ragıp Atakan AL	2			49		
KHD029	Ovarian cancer	Prof. Dr. Ömer Erkan YAPÇA	2		10, 11	23	21	
KHD030	Pelvic inflammatory diseases		2		5, 17	43		
KHD031	Antenatal care		1		19	35		
KHD032	Breech birth	Doç. Dr. Emsal Pınar TOPDAĞI YILMAZ	1		1	1, 42	5	
KHD033	Pregnancy and chronic hypertension	Prof. Dr. Metin INGEÇ	1		7	7, 14, 19, 30, 34	6, 11	
KHD034	Cervical intraepithelial neoplasms	Prof. Dr. Bünyamin BÖREKÇI	2		17, 18	26, 52	25, 24, 29	
KHD035	Abnormal vaginal bleeding	Doç. Dr. Gamze Nur CIMILLI ŞENOCAK	2		18, 19	2, 5, 4, 13		
KHD036	Gestational trophoblastic diseases	Prof. Dr. Bünyamin BÖREKÇİ	1		1, 18	13		
KHD037	Endometrial hyperplasia	Prof. Dr. Bünyamin BÖREKÇİ	1		1, 18	29, 39, 52	15, 16	

KHD038	Perinatal infections	Doç. Dr. Emsal Pınar TOPDAĞI YILMAZ	1		6	21		
KHD039	Puerperal infections	Doç. Dr. Emsal Pınar TOPDAĞI YILMAZ	1		6	21		
KHD040	Postpartum hemorrhage	Prof. Dr. Metin INGEÇ	2		18	2, 10, 32, 45		
KHD041	Cervical cancer	Assoc. Prof. Dr. Gamze Nur CİMİLLİ ŞENOCAK	2		18, 17	57	21	
KHD042	Overview of high-risk pregnancy	Doç. Dr. Gamze Nur CIMILLI ŞENOCAK	2		7	36, 42	3, 4, 5	
KHD043	Uterine fibroids (leiomyomas)	Prof. Dr. Ragıp Atakan AL	1		11, 14, 18	24	7	
KHD044	Overview of assisted reproductive technology	Prof. Dr. Bünyamin BÖREKÇI	2		9			
KHD045	Malignant diseases of vulva and vagen	Assoc. Prof. Dr. Emsal Pınar TOPDAĞI YILMAZ	2		5, 10, 13			
KHD046	Multiple pregnancy	Prof. Dr. Metin INGEÇ	1		1	36, 42		
KHD047	Hyperemesis gravidarum	Doç. Dr. Emsal Pınar TOPDAĞI YILMAZ	1		2	47	17, 5	
KHD048	Hirsutism and hyperandrogenism	Prof. Dr. Ömer Erkan YAPÇA	1		8	27, 28, 25		
KHD049	Operative delivery	Prof. Dr. Ragıp Atakan AL	2			1, 10, 53		
KHD050	Induction of labor	Prof. Dr. Ragıp Atakan AL	1			1, 10, 53, 8		
KHD051	Ectopic pregnancy	Prof. Dr. Bünyamin BÖREKÇI	1		1	20		
KHD052	Third trimester hemorrhage	Prof. Dr. Ömer Erkan YAPÇA	1		18	5, 13		
KHD053	Prenatal diagnosis	Prof. Dr. Metin INGEÇ	1			35, 40		
KHD054	Endometriosis	Prof. Dr. Bünyamin BÖREKÇI	1		4, 10, 14	27, 18		

6. SESSION IV OBSTETRICS AND GYNECOLOGY CLERKSHIP LEARNING METHODS

LEARNING METHODS OF OBSTETRICS AND GYNECOLOGY CLERKSHIP PROGRAM

Learning Methods Related with Knowledge:

- Structured learning activities in clinical skill laboratories and simulated patient centers
- Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences
- On-the-job learning and assessment
- Structured case discussion

Learning Methods Related with Medical practices:

- Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures
- Interdisciplinary learning activities (meetings, panels, group discussions)
- Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.)
- CBL (Case-based learning)
- Independent learning

Learning Methods Related with Professionalism

- Critical situation discussionsı
- Reflection sessions
- Written visual texts readings and interpretations
- Student development file (portfolio) application
- On-the-job learning and assessment (MiniPET)

7. SESSION IV OBSTETRICS AND GYNECOLOGY CLERKSHIP "STUDENT TRAINEE REPORT"

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the "Atatürk University Faculty of Medicine Trainee Report" which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV OBSTETRICS AND GYNECOLOGY CLERKSHIP STUDENT TRAINEE REPORT			
Name: ……Surname: ……. **Student Number:** **Date::…../……/……**			
I- Basic Medicine Practices	**Learning Level****	**Number of Applications**	**Teaching Staff Approve (Date)**
A. Taking Anamnesis			
To be able to take general and problematic stories	4	5	
B. Physical Examination (General and Problem-Oriented)			
Abdominal examination	**3**	5	
Pregnant examination	**3**	5	
Evaluation of general condition and vital signs	**3**	5	
Gynecological examination	**3**	5	
C. Registration, Reporting and Notification			
Lighting and and get approval	**3**	5	
Preparing epicrises	**3**	5	
To prepare patient file	**3**	5	
Ability to organize reporting and notification	**3**	5	
Ability to edit a recipe	**3**	5	
D. Laboratory Tests and Other Related Processes			
To be able to take the laboratory sample under appropriate conditions and to deliver it to the laboratory	**3**	5	
To be able to interpret the results of screening and diagnostic purposes	**4**	5	
To be able to examine the vaginal discharge sample (urogenital infection screening, preparation and care of fresh preparation) and evaluate	**4**	5	
E. Interventional and Non-Interventional Applications			
Ability to open vascular access	**3**	5	
To be able to take care of the mother after birth	**4**	5	
Hand washing	**4**	5	
Opening and sewing episiotomy	**2**	1	
To be able to follow up pregnant and maternity	**3**	5	
IM, IV, SC, ID injection	**4**	5	
Urinary catheter insertion	**4**	5	
Being able to take samples for culture	**4**	5	
Ability to have normal spontaneous delivery	**2**	2	
To be able to perform oral, rectal, vaginal and topical drug applications	**3**	5	
To be able to take vaginal and cervical samples	**3**	5	
Ability to throw and take superficial sutures	**3**	5	
I-Total Basic Medicine Practice score (out of 5 point)			
II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers) Total Professionalism score (out of 5 point)			
III- Clinical Problem Solving (out of 5) (Given from the performance shown in **Case Based Learning sessions)**			
TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)			
Teaching Staff **Date and Sign**		**Head of Department** **Date and Sign**	

***** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

****Learning Level****

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

8. SESSION IV OBSTETRICS AND GYNECOLOGY CLERKSHIP ASSESSMENT AND EVALUATION METHODS

ASSESSMENT AND EVALUATION METHODS IN OBSTETRICS AND GYNECOLOGY CLERKSHIP
RACTICAL-ORAL EXAMINATION

• **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)
  ➢ **Basic Medicine Practices** (5 %).
  ➢ **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).
  ➢ **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5)
• **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (85 %)
• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.
• Students who fail the practical-oral examination, take the make-up exam.
• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam.

THEORETICAL EXAM
• It consists of a total of 50 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) • Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. • Students who fail the theoretical examination, take the make-up exam.
SUCCESS GRADE
• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.
MAKE-UP EXAM
• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.

SESSION IV PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP GUIDE

Code	MED403	**Type**	Compulsory
Period	2 weeks	**ECTS**	5

PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP- Prerequisite Courses	
1	Taken the pre-clinical courses
2	Taken courses in the relevant committee (s) in session 3

REFERENCES (RESOURCE BOOK - OTHERS)	
1.	PHYSICAL MEDICINE AND REHABILITATION / Mehmet Beyazova-Yeşim Gökçe Kutsal
2.	Medical Rehabilitation / Hasan Oğuz
3.	Rheumatology / Şebnem Ataman-Peyman Yalçın

PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP- RULES FOR STUDENTS	
1	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
2	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
3	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
4	Students are obliged to keep the **"Ataturk University Faculty of Medicine Trainee Report"** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
5	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
6	**In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in "Atatürk University Faculty of Medicine Teaching and Exam Application Principles".
7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at "http://anket.atauni.edu.tr". The participation link to the survey will be sent to the students by the dean's management.

1. SESSION IV PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP- OBJECTIVE OF THE PROGRAM

OBJECTIVE OF THE PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP PROGRAM	
1.	To be able to make a preliminary diagnosis or diagnosis by evaluating the anatomy, physiological features of the muscles and skeletal system, the signs and symptoms of the diseases affecting them.
2.	To demonstrate protective and rehabilitative approaches in situations that may cause musculoskeletal disability
3.	To learn and be able to apply the necessary treatment for pathologies of the musculoskeletal system
4.	To be able to make a preliminary diagnosis / diagnosis by evaluating the signs and symptoms of rheumatological diseases with a general approach

5.	To define emergencies for physical medicine and rehabilitation related with pathologies (including rheumatological diseases), to perform the necessary emergency treatment and to provide referral when necessary.
6.	To recognize the physical therapy modalities used in the treatment of diseases and to explain how to use in which disease
7.	To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria
8.	To provide gaining the knowledge, skills and professionalism characteristics determined for the clerkship.

2. SESSION IV PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
Contribution levels	5	5	5	4	4	4	3	4	4	4	5	4	4	5	4	4	5	4	4	4
Program Qualifications	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**								
Contribution levels	5	5	4	4	5	3	4	4	5	4	4	4								

Contribution levels: *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

3. SESSION IV PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP LEARNING OBJECTIVES

A. Frequent reasons for application: Competence is expected in terms of Clinical Symptoms / Signs / Status during the physical medicine and rehabilitation clerkship period

PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP- ***LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS***					
1	Dry mouth	12.	Dry eyes	23.	Chronic pain
2	Wound in the mouth	13.	Weakness, fatigue	24.	Neuropathic pain
3	Anemia	14.	Movement disorders	25.	Shoulder pain
4	Fever	15.	Immobilization	26.	Paresthesia
5	Low back and back pain	16.	Abdominal pain	27.	Paralysis
6	Neck pain	17.	Muscle weakness	28.	Pelvic pain
7	Problems with balance / movement	18.	Musculoskeletal pain (lower back, neck, back, hip and limb pain)	29.	Morning stiffness
8	Skin rashes / lesions	19.	Weight loss	30.	Hair loss
9	Changes in the skin and its appendages	20.	Cladication intermittant	31.	Recurrent falls
10	Joint pain / swelling	21.	Speech disorders (aphasia, dysphasia, dysarthria, stuttering, etc.)	32.	Tetany
11	Movement restriction in joints	22.	Cramp	33.	Difficulty in swallowing

B. In terms of knowledge: It is expected to have knowledge at the levels determined in the **"Diseases / Clinical Problems"** listed below during the physical medicine and rehabilitation clerkship period.

PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*	
LEARNING LEVELS	**CLINICAL PROBLEM**
In the clinical problems mentioned in the column next to; **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary**	1. Limb trauma / fractures 2. Facial paralysis 3. Drug side effects 4. Spine injuries 5. Cauda equina syndrome 6. Rheumatological emergencies
In the clinical problems mentioned in the column next to; **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert**	7. Adhesive capsulitis 8. Familial Mediterranean fever 9. Alopecia 10. Amyloidosis 11. Ataxic disorders 12. Behçet's disease 13. Gout disease 14. Inflammatory bowel disease 15. Muscular diseases (myopathies) 16. Bone tumors 17. Complex regional pain syndrome 18. Speech disorders 19. Lymphedema / lipoma 20. Meniscus lesions 21. Shoulder impingement syndrome 22. Osteoporosis 23. Peripheral neuropathy 24. Polymyalgia rheumatica 25. Polymyositis and dermatomyositis 26. Reynaud's disease 27. Romatid arthritis 28. Sarcoidosis 29. Cervical myelopathy 30. Systemic lupus erythematosus 31. Sjogren's Syndrome 32. Scleroderma 33. Spinal cord compression syndrome 34. Spondyloarthropathies 35. Sleep disorder 36. Uveitis 37. Vasculitis
In the clinical problems mentioned in the column next to; **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures**	38. Acute rheumatic fever 39. Arthritis 40. Disc hernias 41. Limb trauma / fractures 42. Facial paralysis 43. Fibromyalgia 44. Medication side effects 45. Speech disorders 46. Torticollis 47. Spinal deformities
In the clinical problems mentioned in the column next to; **Be able to Diagnose and Treat (DT)**	48. Pressure ulcers 49. Vitamin D deficiency 50. Osteoarthritis 51. Tenosynovitis 52. Myofascial pain syndrome
In the clinical problems mentioned in the column next to;	53. Acute rheumatic fever

Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)	54. Pressure ulcers 55. Vitamin D deficiency 56. Disc herniation 57. Gout disease 58. Medication side effects 59. Lymphedema / Lipoedema 60. Spinal deformities 61. Osteoarthritis 62. Osteoporosis
In the clinical problems mentioned in the column next to; **Be able to follow up (F) in necessary cases**	63. Familial Mediterranean Fire 64. Pressure ulcers 65. Vitamin D deficiency 66. Drug side effects 67. Lymphedema / Lipoedema 68. Osteoarthritis

C. In terms of skill: It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the PHYSICAL MEDICINE AND REHABILITATION clerkship period.

PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	**BASIC MEDICINE APPLICATIONS**
Skills specified in the adjacent column; **Knows** how to practice and **explains** the results to patients and / or relatives **(LEARNING LEVEL 1)**	----
Skills specified in the adjacent column; **In an emergency**, performs the application in accordance **with the guide / instruction** **(LEARNING LEVEL 2)**	----
Skills specified in the adjacent column; performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application** **(LEARNING LEVEL 3)**	1.To be able to evaluate direct radiographs 2.Musculoskeletal system examination 3.Neurological examination 4.To be able to interpret the results of screening and diagnostic purposes
Skills specified in the adjacent column; Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application** **(LEARNING LEVEL 4)**	1. To apply the principles of rational drug use 2. Exercise and physical activity 3. Evaluation of general status and vital signs 4. To be able to take a general and problematic anamnesis 5. To prepare patient file 6. To apply IM, IV, SC, injection 7. To fill the request form for laboratory examination 8. Prescribe

D. In terms of Behavioral, Social and Humanities: It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the physical medicine and rehabilitation clerkship period

PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES
2. Dependency a. Alcohol b. Tobacco
4. Work and health interaction a. Occupational diseases b. Work-related diseases c. The effect of the disease on work and return to work after the disease (rehabilitation)
8. Difficulties in patient interaction e. malingering g. Frequent patient
14. Chronic / non-communicable diseases a. Monitoring and prevention of risk factors b. Management of risk factors c. Multimorbidity
19. Priority / disadvantaged groups a. Children with special needs (chronic health problems, neuro-developmental disorders) b. disabled people c. Elders e. Pregnant women
25. Physical, mental activity and exercise **a.** Nutrition b. Physical, mental activity and exercise c. Sedentary life
30. Medical errors and unprofessional behavior **a. M**alpractice
35. Aging **c.** Multi-morbidity and polypharmacy

E. In terms of Professionalism: Attitudes listed below are expected to be gained during the period of physical medicine and rehabilitation clerkship

ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine. 2. Rights-based health approach 3. Communication skills, communication in difficult situations, interpersonal relations and teamwork 4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.

5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.
6. Patient rights, physician responsibility, patient-physician relationship.
7. Problems and dilemmas for professionalism / ethics in health processes.
8. Legal problems in health processes.
9. Research and publication ethics.
10. Determinants of health, inequality in health, social gender and health.
11. Health systems, health policies.
12. Health economics and management.
13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.
14. Work culture in coordination with other members of the team and disciplines
15. Being able to share their knowledge and professional experience with other members of the team,

4. SESSION IV PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP - WEEKLY COURSE PROGRAM

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	1. Week		
Monday	Information on internship and ethical and professional values in clinical practice	08.00-09.00	Lecturer in charge of internship
	Taking an anamnesis and physical examination	09.00-10.00	Lecturer in charge of internship
	The term of rehabilitation and methods of Physical medicine	10.00-11.00	Prof. Akın ERDAL
	Low back pain and Rehabilitation	11.00-12.00	Prof. Akın ERDAL
	Clinic (Group 1) Polyclinic (Group 2)	13.00-17.00	Dr. ERDAL, MELİKOĞLU, UZKESER and BAYGUTALP will work alternately.
Tuesday	Physical examination practices at the clinic	08.00-10.00	Lecturer in charge of internship
	Neck pain and Rehabilitation	10.00-11.00	Prof. Hülya UZKESER
	The term of pain and classification	11.00-12.00	Prof. Hülya UZKESER
	Clinic (Group 1) Polyclinic (Group 2)	13.00-17.00	Dr. ERDAL, MELİKOĞLU, UZKESER and BAYGUTALP will work alternately.
Wednesday	Physical examination practices at the clinic	08.00-10.00	Lecturer in charge of internship
	Introduction to rheumatology, history taking and physical examination	10.00-11.00	Prof. Meltem A. MELİKOĞLU
	Rheumatoid arthritis and Rehabilitation	11.00-12.00	Prof. Meltem A. MELİKOĞLU
	Case presentation, seminar, council	12.30-13.30	Lecturer and assistant
	Sports injuries and Rehabilitation	13.30-15.30	Assist. Prof. Bilgehan Öztop
	Free course / free study	15.30-17.00	
Thursday	Physical examination practices at the clinic	08.00-10.00	Lecturer in charge of internship
	Metabolic Bone Diseases and Rehabilitation	10.00-11.00	Assoc. Prof. Fatih BAYGUTALP
	Spnial Cord injury and Rehabilitation	10.00-11.00	Assoc. Prof. Fatih BAYGUTALP
	Case-Based Learning (CBL) Session 1	13.00-14.00	Lecturer in charge of internship
	Clinic (Group 1) Polyclinic (Group 2))	14.00-17.00	Dr. ERDAL, MELİKOĞLU, UZKESER and BAYGUTALP will work alternately.
Friday	Physical examination practices at the clinic	08.00-10.00	Lecturer in charge of internship
	Rehabilitation of Hemiplegia	10.00-11.00	Assoc. Prof. Fatih BAYGUTALP
	Rehabilitation of Cerebral Palsy	11.00-12.00	Assoc. Prof. Fatih BAYGUTALP
	Clinic (Group 1) Polyclinic (Group 2)	13.00-17.00	Dr. ERDAL, MELİKOĞLU, UZKESER and BAYGUTALP will work alternately..
	2. Week		
Monday	Physical examination practices at the clinic	08.00-10.00	Lecturer in charge of internship
	Fibromyalgia	10.00-11.00	Prof. Akın ERDAL
	Ankylosing Spondylitis and Rehabilitation	11.00-12.00	Prof. Akın ERDAL
	Case-Based Learning (CBL) Session 2	13.00-14.00	Lecturer in charge of internship
	Clinic (Group 1) Polyclinic (Group 2)	14.00-17.00	Dr. ERDAL, MELİKOĞLU, UZKESER and BAYGUTALP will work alternately.
Tuesday	Physical examination practices at the clinic	08.00-10.00	Lecturer in charge of internship
	Osteoarthritis and Rehabilitation	10.00-11.00	Prof. Hülya UZKESER
	Normal and Pathologic Gait	11.00-12.00	Prof. Hülya UZKESER
	Case-Based Learning (CBL) Session 3	13.00-14.00	Lecturer in charge of internship
	Clinic (Group 1) Polyclinic (Group 2)	14.00-17.00	Dr. ERDAL, MELİKOĞLU, UZKESER, KUL and BAYGUTALP will work alternately.
Wednesday	Physical examination practices at the clinic	08.00-10.00	Lecturer in charge of internship

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	Spondyloarthropathies	10.00-11.00	Prof. Meltem A. MELİKOĞLU
	Crystal arthropathies	11.00-12.00	Prof. Meltem A. MELİKOĞLU
	Case presentation, seminar, council	12.30-13.30	Lecturer and assistant
	Soft Tissue Rheumatisms	13.30-14.30	Assist. Prof. Bilgehan Öztop
	Free course / free study	14.30-17.00	
Thursday	Physical examination practices at the clinic	08.00-10.00	Lecturer in charge of internship
	Spnial Cord injury and Rehabilitation	10.00-11.00	Assoc. Prof. Fatih BAYGUTALP
	Free course / free study	11.00-12.00	
	Clinic (Group 1) Polyclinic (Group 2)	13.00-17.00	Dr. ERDAL, MELİKOĞLU, UZKESER and BAYGUTALP will work alternately.
Friday	Pratice exam	09.00-12.00	Seminar Room
	Theoric exam	13.30-14.30	Seminar Room
	The feedback meeting after internship program	14.30-15.00	Lecturer in charge of internship

5. SESSION IV PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP MATCHING COURSES WITH LEARNING OBJECTIVES

MATCHING PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP COURSES WITH LEARNING OBJECTIVES								
Code	**Lesson Topic**	**Teaching Staff**	**Theoretical lesson**	**Practical lesson**	**Symptoms / Conditions**	**Clinical problem**	**Basic Medical Practices**	**BSH Behavioral Social and Humanities**
PMR 001	Information on internship and ethical and professional values in clinical practice	Department staff in charge of practical training	1					
PMR 002	Taking an anamnesis and physical examination	Department staff in charge of practical training	1	1	1,2,3,4,5,6,7, 8,9,10,11,12, 13,14,15,16,17, 18,19,20,21,22, 23,24,25,26,27, 28,29,30,31,32, 33	1,2, 3,4 ,5,6	1,2,3,4,5,6,7, 8,9,10,11,12, 13,14	2a,2b,4a,4b, 4c,8e,8g,14a, 14b,14c,19a,19c, 19e,25a,25b,25c, 30a,35c
PMR 003	The term of rehabilitation and methods of physical medicine	Dr. A. Erdal	1		3,4,5,6,8,10,11, 12,13,14,15,16, 17,18,22,23,24, 25,26,27,29,	1,2, 3,4 ,5,6	1,2,3,5,6,7	4a,4b,4c, 8e,8g,19a, 19c,19e,30a
PMR 004	Low back pain and rehabilitation	Dr. A. Erdal	1		3,4,5,6,7,8,9, 10,11,13,14,15, 16,17,18,19,20, 22,23,24,25,26 ,27,28,29,31	3,5	1,2,3,4,5,6,7, 12	2a,4a,4b,4c,8e,8g, 14a,14b,14c, 19a,19c,19e, 25a,25b,25c, 30a,35c
PMR 005	Neck pain and rehabilitation	Dr. H. Uzkeser	1		3,4,5,6,7,8,9, 10,11,13,14,15, 17,18,19,23,24, 25,26,27,28,29, 31	3,5	1,2,3,4,5,6,7, 12	2a,4a,4b,4c,8e, 8g,14a,14b,14c, 19a,19c,19e, 25a,25b,25c, 30a,35c
PMR 006	Spnial Cord injury and rehabilitation	Dr. H. Uzkeser	1		1,2,3,4,5,6,7, 8,9,10,11,12, 13,14,15,17, 18,19,21,22, 23,24,25,26, 27,28,29,31	1	1,2,3,4,5,6,7	2b,4a,4b,4c, 14a,14b,14c, 19a,19c,19e, 25a,25b,25c, 30a,35c
PMR 007	Rheumatoid arthritis and rehabilitation	Dr. M.A. Melikoğlu	1		1,2,3,4,5,6,10, 11,12,13,15, 17,18,19,20, 22,23,24,25, 28,29,31	2	1,2,3,4,5,6,7	2b,4c,8e,14a, 14b,14c,19a, 19c,19e,25a, 25b,25c,

PMR 008	Spondyloarthro pathies	Dr. M.A. Melikoğlu	1		1,2,3,4,5,6,7,8, 9,10,11,12,13, 14,15,16,17, 18,19,20,22, 23,24,25,28, 29,31	2	1,2,3,4,5,6,7	2b,4c,8e,14a, 14b,14c,19a, 19c,19e,25a, 25b,25c,
PMR 009	Soft tissue rheumatisms	Dr. F. Baygutalp	1		1,2,3,4,7,10, 11,12,13,14, 15,17,18,23, 24,25,29,31	4	1,2,3,4,5,6,7	4a,4b,4c, 14a,14b,14c, 25b,25c,35c
PMR 010	Degenerative osteoarthritis and rehabilitation	Dr. F. Baygutalp	1		5,6,10,11,14, 15,17,18,23,25,29, 31	4,5	1,3,4,5,10,11, 14	2b,4c,8e,14a, 14b,14c,19a, 19c,19e,25a, 25b,25c,
PMR 011	The term of pain and classification	Dr. F. Baygutalp	1		1,2,3,4,5,6,7,8, 9,10,11,12,13, 14,15,16,17,18, 19,20,22,23,24, 25,26,27,28,29, 31,33	1,2, 3,4, 5,6	1,2,3,4,5,6,7, 11,12,14	2b,4c,8e,14a, 14b,14c,19a, 19c,19e,25a, 25b,25c,
PMR 012	Metabolic bone diseases and rehabilitation	Dr. F. Baygutalp	1		1,2,3,4,5,7,10, 11,12,13,14,15, 17,18,19,22,23, 24,27,29,30,31, 33	4,5	1,2,3,4,5,6,7	2b,4c,8e,14a, 14b,14c,19a, 19c,19e,25a, 25b,25c,
PMR 013	Fibromyalgia	Dr. A. Erdal	1		1,2,3,4,5,6,10, 11,12,13,14,15, 17,16,1718,19, 26,27,22,23,24, 25,26,27,28, 29,31	3	1,3,4,5,6,7,11, 14	2b,4c,8e,14a, 14b,14c,19a, 19c,19e,25a, 25b,25c,
PMR 014	Ankylosing spondylitis and rehabilitation	Dr. A. Erdal	1		1,2,3,4,5,6,7,8, 9,10,11,12,13, 14,15,16,17,18, 19,20,22,23,24, 25,28,29,31	2	1,2,3,4,5,6,7	2b,4c,8e,14a, 14b,14c,19a, 19c,19e,25a, 25b,25c,
PMR 015	Diseases of collagen tissue	Dr. M.A. Melikoğlu	1		1,2,3,4,5,6,7,8, 9,10,11,12,13, 14,15,16,17,18, 19,20,21,22,23, 24,25,26,27,28, 29,30,31,33	2	1,2,3,4,5,6,7	2b,4c,8e,14a, 14b,14c,19a, 19c,19e,25a, 25b,25c,
PMR 016	Crystal arthropathies	Dr. M.A. Melikoğlu	1		3,4,5,6,8,10,11, 13,15,16,18,23, 29	2,5	1,2,3,4,5,6,7	2b,4c,8e,14a, 14b,14c,19a, 19c,19e,25a, 25b,25c,
PMR 017	Cerebral palsy and rehabilitation	Dr. H. Uzkeser	1		1,2,3,4,5,6,7,8, 9,10,11,13,14, 15,17,18,20,21, 22,23,25,27,31, 32,33	2	1,2,3,5,6,	2b,4a,4b,4c, 14a,14b,14c, 19a,19c,19e, 25a,25b,25c, 30a,35c
PMR 018	Normal and pathological gaits	Dr. H. Uzkeser	1		3,5,7,10,11,13, 14,15,17,18,20, 22,23,24,26,27, 29,31,32	2	1,2,3,4,5,6,	2b,4a,4b,4c, 14a,14b,14c, 19a,19c,19e, 25a,25b,25c, 30a,35c
PMR 019	Hemiplegia and rehabilitation	Dr. F. Baygutalp	1		1,2,3,4,5,6,7,8, 9,10,11,13,14, 15,17,18,20,21, 22,23,24,25,26, 27,31,33	1,5,6	1,2,5,6,12,13	2b,4a,4b,4c, 14a,14b,14c, 19a,19c,19e, 25a,25b,25c, 30a,35c
PMR 020	Sports injuries and rehabilitation	Dr. B.Öztop	1		5,6,7,8,10,11, 14,17,18,20,22,	1,3	1,2,3,4,5,6,7, 10,12,13	14a,14b,14c, 25b,25c,35c

					25,28,31			
PMR 021	Service visit		1	1				
PMR 022	Notification of the aims and objectives of the internship meeting	Head of internship commission	1					
PMR 023	Post-internship feedback meeting	Head of internship commission	1					

6. SESSION IV PHYSICAL MEDICINE AND REHABILITATION LEARNING METHODS

LEARNING METHODS OF PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP PROGRAM

Learning Methods Related with Knowledge:

- Structured learning activities in clinical skill laboratories and simulated patient centers
- Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences
- On-the-job learning and assessment
- Structured case discussion

Learning Methods Related with Medical practices:

- Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures
- Interdisciplinary learning activities (meetings, panels, group discussions)
- Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.)
- CBL (Case-based learning)
- Independent learning

Learning Methods Related with Professionalism

- Critical situation discussionsı
- Reflection sessions
- Written visual texts readings and interpretations
- Student development file (portfolio) application
- On-the-job learning and assessment (MiniPET)

7. SESSION IV PHYSICAL MEDICINE AND REHABILITATION "STUDENT TRAINEE REPORT"

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the "Atatürk University Faculty of Medicine Trainee Report" which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP STUDENT TRAINEE REPORT			
Name:……Surname:…….			
Student Number:		**Date::…../……/……**	
I- Basic Medicine Practices	**Learning Level****	**Number of Applications**	**Teaching Staff Approve (Date)**
A. Taking Anamnesis			
To be able to take general and problematic anamnesis	4	2*	
B. Physical Examination (General and Problem-Oriented)			
Evaluation of general status and vital signs	**4**	2*	
Musculoskeletal system examination	**3**	2*	
Neurological examination	**3**	2*	
C. Registration, Reporting and Notification			
Preparing a patient file	4	2*	
Prescribe	4	10*	
D. Laboratory Tests and Other Related Processes			
To be able to evaluate direct radiographs	3	2*	
Filling the request form for laboratory examination	4	2*	
To be able to interpret the results of screening and diagnostic purposes	**3**	2*	
E. Interventional and Non-Interventional Applications			
To be able to apply rational drug use principles	4	2*	
Applying IM, IV, SC, injections	4	1*	
H. Healthiness			
Exercise and physical activity	4	2*	
I-Total Basic Medicine Practice score (out of 5 point)			
II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers) Compliance with internship rules Adaptation to team work **Total Professionalism score (out of 5 point)**			
III- Clinical Problem Solving (practice exam) (out of 10 point) (Given from the performance shown in **Case Based Learning sessions)**			
TOTAL SCORE FROM TRAINEE REPORT (out of 20 point)			
Teaching Staff **Date and Sign**		**Head of Department** **Date and Sign**	

***** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

****Learning Level****

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

8. SESSION IV PHYSICAL MEDICINE AND REHABILITATION ASSESSMENT AND EVALUATION METHODS

ASSESSMENT AND EVALUATION METHODS IN PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP

RACTICAL-ORAL EXAMINATION

- **Trainee Report:** Total contribution to the Practical-Oral Examination (10%)
  - **Basic Medicine Practices** (5 %).
  - **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).
  - **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5)
- **Practical Exam**: It is performed by the direct observation and evaluation of practical/interventional skills. Total contribution to the Practical-Oral Examination (10%)
- **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (80 %)
- Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.
- Students who fail the practical-oral examination, take the make-up exam.
- Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam.

THEORETICAL EXAM

- It consists of a total of 100 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision)
- Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful.
- Students who fail the theoretical examination, take the make-up exam.

SUCCESS GRADE

- Clerkship achievement grade is calculated by taking the average of the points obtained from the practical-oral and theoretical exam.

MAKE-UP EXAM

- If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.

SESSION IV PEDIATRIC SURGERY CLERKSHIP GUIDE

Code	MED401	**Type**	Compulsory/Elective
Period	2 WEEKS	**ECTS**	5

PEDIATRIC SURGERY CLERKSHIP- Prerequisite Courses	
1	Taken the pre-clinical courses
2	Taken courses in the relevant committee (s) in session 3

PEDIATRIC SURGERY CLERKSHIP- RULES FOR STUDENTS	
1	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
2	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
3	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
4	Students are obliged to keep the **"Ataturk University Faculty of Medicine Trainee Report"** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
5	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
6	**In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in "Atatürk University Faculty of Medicine Teaching and Exam Application Principles".
7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at "http://anket.atauni.edu.tr". The participation link to the survey will be sent to the students by the dean's management.

1. SESSION IV PEDIATRIC SURGERY CLERKSHIP- OBJECTIVE OF THE PROGRAM

OBJECTIVE OF THE PEDIATRIC SURGERY CLERKSHIP PROGRAM	
1.	To be able to make a preliminary diagnosis and diagnosis of important, common diseases by considering the learning objectives specified in the core training program at the end of the pediatric surgery clerkship.
2.	To be able to make a preliminary diagnosis by evaluating the anatomy, physiological features of the abdomen, thorax and urogenital organs, the signs and symptoms of the diseases affecting them.
3.	To be able to perform emergency treatment by defining emergencies (acute abdomen, emergency approach to trauma, pneumothorax) for pediatric surgery.
4.	To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria
5.	To be able to provide the referral of the patient in appropriate conditions after emergency intervention and treatment
6.	To gain the knowledge, skills and professionalism provided for the clerkship.

2. SESSION IV PEDIATRIC SURGERY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	4	4	5	4	5	5	3	4	4	5	5	5	4	5	3	4	5	4	5	5

Contribution levels: *no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

3. SESSION IV PEDIATRIC SURGERY CLERKSHIP LEARNING OBJECTIVES

A. Frequent reasons for application: Competence is expected in terms of Clinical Symptoms / Signs / Status during the Pediatric Surgery clerkship period

PEDIATRIC SURGERY CLERKSHIP- LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS					
1	Apnea	11	Hematuria	21	Corrosive exposure
2	Fever	12	Urinary retention	22	Ambiguous genitalia
3	Encopresis	13	Undescended testis	23	Colic pains (renal, biliary, intestinal)
4	Mass on the neck	14	Constipation	24	Problems with height and diving (pressure change
5	Nausea and vomiting	15	Accidents (Home-work-traffic accidents, falling, drowning)	25	Melena-Hematemesis
6	dysphagia	16	Abdominal pain	26	Pelvic pain
7	Dyspnea	17	Mass in the abdomen	27	Icterus
8	Dysuria	18	Mass in the groin / scrotum	28	Urinary incontinence
9	Enuresis	19	Lymphadenopathy		
10	Hematocesia / Rectal bleeding	20	Foreign body (swallowing / aspiration)		

B. In terms of knowledge: It is expected to have knowledge at the levels determined in the **"Diseases / Clinical Problems"** listed below during the Pediatric Surgery clerkship period.

PEDIATRIC SURGERY CLERKSHIP- CLINICAL PROBLEM LEARNING LEVELS	
LEARNING LEVELS	**CLINICAL PROBLEM**
In the clinical problems mentioned in the column next to; **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary**	1. Acute abdominal Syndrom 2. Appendicitis 3. Ileus 4. Pneumothorax 5. Lower gastrointestinal bleeding 6. Foreign body / aspiration 7. Abdominal wall / Groin hernias 8. Obstructive uropathy 9. Stone disease of the urinary system 10. Upper gastrointestinal bleeding 11. Trauma and injuries 12. Intussusception 13. Testicular torsion 14. Intestinal obstruction in newborn 15. Diaphragmatic hernias 16. Gastro - esophageal reflux

	17. Genito-urinary trauma 18. Intussusception
In the clinical problems mentioned in the column next to; **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert**	19. Congenital structural anomalies (anorectal malformations, biliary atresia, branchial anomalies, Hirschspung's disease, malrotation) Head and neck cancers 20. Achalasia 21. Enurezis, enkoprezis 22. Diaphragmatic hernias 23. Esophageal atresia 24. Cholecystitis, Cholelithiasis 25. Neuroblastoma 26. Pyloric stenosis 27. Thyroglossal cyst 28. Wilms' tumor 29. Necrotizing enterocolitis in newborn 30. Hydrocele 31. Abdominal wall / Groin hernias 32. Perianal abscess 33. Pyloric stenosis
In the clinical problems mentioned in the column next to; **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures**	34. Acute Abdominal Syndrome 35. Lower gastrointestinal bleeding 36. Abdominal wall / Groin hernias 37. Obstructive uropathy 38. Stone disease of the urinary system 39. Upper gastrointestinal bleeding 40. Foreign body aspiration 41. Phimosis and parafimosis 42. Hydrocele 43. Hypospadias, epispadias 44. Ileus 45. Esophageal atresia 46. Torticollis 47. Foreign body aspiration
In the clinical problems mentioned in the column next to; **Be able to Diagnose and Treat (DT)**	48. Gastro - esophageal reflux 49. Anal fissure 50. Perianal abscess 51. Fluid and electrolyte (sodium, potassium, calcium, magnesium, phosphorus) balance disorders 52. Urinary system infections
In the clinical problems mentioned in the column next to; **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)**	53. Gastro - esophageal reflux 54. The liquid electrolyte (Na, K, Ca, Mg, P) imbalance 55. Congenital structural anomalies (anorectal malformations, biliary atresia, branchial anomalies, Hirschspung's disease, malrotation)

C. In terms of skill: It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Pediatric Surgery clerkship period.

PEDIATRIC SURGERY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	**BASIC MEDICINE APPLICATIONS**
Skills specified in the adjacent column; Knows how to practice and explains the results to patients and / or relatives (LEARNING LEVEL 1)	1. To be able to take general and problematic anamesis 2. Abdominal examination 3. Child and newborn examination 4. Inguinal hernia examination 5. Testicular examination 6. Urological examination 7. Forensic case examination 8. Digital rectal examination
Skills specified in the adjacent column; In an emergency, performs the application in accordance with the guide / instruction (LEARNING LEVEL 2)	9. To be able to take general and problematic anamnesis 10. Respiratory system examination 11. Abdominal examination 12. Urogenital examination 13. Preparing epicrises 14. To prepare patient file 15. Prescribing a recipe 16. To be able to prepare treatment refusal document 17. To be able to apply the principles of working with biological material 18. To be able to provide decontamination, disinfection, sterilization, antisepsis 19. To be able to filling the request form for laboratory examination 20. To be able to take the laboratory sample properly and deliver it to the laboratory 21. Hand washing

D. In terms of Behavioral, Social and Humanities: It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the Pediatric Surgery clerkship period

PEDIATRIC SURGERY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	3. Accidents **a.** Home accidents **b.** Traffic accidents **4. Child Neglect and Abuse** a. Abuse (physical, emotional, sexual)

E. In terms of Professionalism: Attitudes listed below are expected to be gained during the period of Pediatric Surgery clerkship

ATTITUDES THAT SHOULD BE GAINED FOR PROFESSIONALITY DURING THE PEDIATRIC SURGERY CLERKSHIP
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine. 2. Rights-based health approach 3. Communication skills, communication in difficult situations, interpersonal relations and teamwork 4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine. 5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities. 6. Patient rights, physician responsibility, patient-physician relationship. 7. Problems and dilemmas for professionalism / ethics in health processes. 8. Legal problems in health processes. 9. Research and publication ethics. 10. Determinants of health, inequality in health, social gender and health. 11. Health systems, health policies. 12. Health economics and management. 13. Reflective thinking and practice, continuous individual and professional development, education and consultancy. 14. Work culture in coordination with other members of the team and disciplines 15. Being able to share their knowledge and professional experience with other members of the team,

4. SESSION IV PEDIATRIC SURGERY CLERKSHIP - WEEKLY COURSE PROGRAM

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	1. Week		
Monday	Information about Internship and Ethical and Professional Values in Clinical Practices	08.00-09.00	Prof. Dr. Murat YİĞİTER Dr. Öğr. Üyesi Binali FIRINCI Dr. Öğr. Üyesi Çetin AYDIN
	Intussiseption	10.00-11.00	Prof. Dr. Murat YİĞİTER
	Torticollis-thyro glossal cyst	13:00-14:00	Dr. Öğr. Üyesi Çetin AYDIN
	Liquid-Electrolit Therapy	14:00-16:00	Dr. Öğr. Üyesi Binali FIRINCI
	Visit	16:00-17:00	Dr. Öğr. Üyesi Binali FIRINCI Dr. Öğr. Üyesi Çetin AYDIN
Tuesday	Visit	08.00-09.00	Prof. Dr. Murat YİĞİTER Dr. Öğr. Üyesi Binali FIRINCI Dr. Öğr. Üyesi Çetin AYDIN
	VUR (vesicoureteral reflux)	10:00-11:00	Prof. Dr. Murat YİĞİTER
	Hirschsprung Disease	13:00-15:00	Dr. Öğr. Üyesi Çetin AYDIN
	Visit	16:00-17:00	Dr. Öğr. Üyesi Binali FIRINCI Dr. Öğr. Üyesi Çetin AYDIN Prof. Dr. Murat YİĞİTER
Wednesday	Visit	08.00-09.00	Prof. Dr. Murat YİĞİTER
	ıntestinal Atresia NEC(necrotizing enterocolitis)	10.00-11:00	Prof. Dr. Murat YİĞİTER
	Thoracal Traumas	11:00-12:00	Dr. Öğr. Üyesi Çetin AYDIN
	Neuroblastoma,wilms tumor,germ cell tumors	13:00-15.00	Prof. Dr. Murat YİĞİTER
	Visit	16:00-17:00	Dr. Öğr. Üyesi Binali FIRINCI Dr. Öğr. Üyesi Çetin AYDIN
Tuesday	Visit	08.00-09.00	Prof. Dr. Murat YİĞİTER
	inguinal pathologies, acute scrotum	10:00-11:00	Dr. Öğr. Üyesi Binali FIRINCI
	Abdominal Traumas	11:00-12:00	Dr. Öğr. Üyesi Çetin AYDIN
	Patient Presentation	13:00-14:00	Dr. Öğr. Üyesi Binali FIRINCI Dr. Öğr. Üyesi Çetin AYDIN
	Case-Based leaming-1. meeting	14:00-15:00	Dr. Öğr. Üyesi Çetin AYDIN Prof. Dr. Murat YİĞİTER
	polyclinic practical training	15.00-16.00	Prof. Dr. Murat YİĞİTER
	Visit	16:00-17:00	Dr. Öğr. Üyesi Binali FIRINCI Dr. Öğr. Üyesi Çetin AYDIN/
Friday	Visit	08.00-09.00	Prof. Dr. Murat YİĞİTER
	Esophageal burns	13:00-14:00	Dr. Öğr. Üyesi Çetin AYDIN
	undescended testicle	14:00-15:00	Dr. Öğr. Üyesi Binali FIRINCI
	Visit	16:00-17:00	Dr.Öğr. Üyesi Binali FIRINCI Dr. Öğr. Üyesi Çetin AYDIN
	2. Week		
Monday	Vizit	08.00-09.00	Prof. Dr. Murat YİĞİTER
	Esophageal Atresia	09:00-11:00	Prof. Dr. Murat YİĞİTER
	Anorectal Malformations	11:00-13:00	Dr. Öğr. Üyesi Binali FIRINCI
	Omphalocele + Gastroschisis	14:00-15:00	Dr. Öğr. Üyesi Binali FIRINCI
	polyclinic practical training	15:00-16:00	Dr. Öğr. Üyesi Çetin AYDIN
	Visit	16:00-16:30	Dr.Öğr. Üyesi Binali FIRINCI Dr. Öğr. Üyesi Çetin AYDIN
Tuesday	Visit	08.00-09.00	Prof. Dr. Murat YİĞİTER
	hlpertrophic pyloric stenosis	10:00-11:00	Prof. Dr. Murat YİĞİTER
	Diasragma Hernias	11:00-12:30	Dr. Öğr. Üyesi Çetin AYDIN
	Operating room practical training	12:30-13:00	Prof. Dr. Murat YİĞİTER
	Case-Based leaming-2. meeting	13:00-14:00	Dr. Öğr. Üyesi Çetin AYDIN
	Genito Urinary System Traumas	14:00-15:00	Dr. Öğr. Üyesi Çetin AYDIN
	Visit	16:00-17:00	Dr. Öğr. Üyesi Binali FIRINCI Dr. Öğr. Üyesi Çetin AYDIN
Wednesday	Visit	08.00-09.00	Prof. Dr. Murat YİĞİTER
	Abdominal Pain in Childhood, Appendisitis	10:00-11:00	Prof. Dr. Murat YİĞİTER
	Congenital urogenital Anomalies	11.00-12.00	Dr. Öğr. Üyesi Binli FIRINCI

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	Vizit	16:00-17:00	Dr. Öğr. Üyesi Binali FIRINCI Dr. Öğr. Üyesi Çetin AYDIN
Thursday	Vizit	08.00-09.00	Prof. Dr. Murat YİĞİTER
	vitelline duct Residues, urachal duct residues umbilical Hemias	10.00-12:00	Dr. Öğr. Üyesi Binali FIRINCI
	Operating room practical training	13:00-14:00	Dr. Öğr. Üyesi Çetin AYDIN
	Case-Based leaming-1. meeting	14:00-15:00	Prof. Dr. Murat YİĞİTER Dr. Öğr. Üyesi Binali FIRINCI
	Polyclinic practical training	15:00-16:00	Dr. Öğr. Üyesi Binali FIRINCI
	Visit	16:00-17:00	Dr. Öğr. Üyesi Binali FIRINCI Dr. Öğr. Üyesi Çetin AYDIN
Friday	Visit	08.00-09.00	Prof. Dr. Murat YİĞİTER
	EXAM (Practical – Theoric)	09.30	Prof. Dr. Murat YİĞİTER Dr. Öğr. Üyesi Binali FIRINCI Dr. Öğr. Üyesi Çetin AYDIN
	Post-İnternship Feedback Meeting		Prof. Dr. Murat YİĞİTER Dr. Öğr. Üyesi Binali FIRINCI Dr. Öğr. Üyesi Çetin AYDIN

5. SESSION IV PEDIATRIC SURGERY CLERKSHIP MATCHING COURSES WITH LEARNING OBJECTIVES

MATCHING PEDIATRIC SURGERY CLERKSHIP COURSES WITH LEARNING OBJECTIVES							
Code	**Lesson Topic**	**Teaching Staff**	**Theoretical lesson**	**Practical lesson**	**Symptoms / Conditions**	**Clinical problem**	**Basic Medical Practices**
CCER01	inguinal pathologies, acute scrotum	Dr. Öğr. Üyesi Binali FIRINCI	1	1	18,26	4,10	2,4,5
CCER02	Liquid-Electrolit Treatment	Dr. Öğr. Üyesi Binali FIRINCI	2	2		1,2,5,7,8,40	3
CCER03	Solid Tumors of Childhood (Wilms, Neuroblastoma, Teratoma)	Prof. Dr. Murat YİĞİTER	2	1	1,2	12,18,21	1,9,11,12
CCER04	Omphalocele + Gastroschisis	Dr. Öğr. Üyesi Binali FIRINCI	1	1	17	1,12,41	1,2,9,11,
CCER05	Congenital urogenitally Anomalies (Epispadias, Hypospadias)	Dr. Öğr. Üyesi Binali FIRINCI	1	1	8,9,11,20,22	5,12	
CCER6	Undescended Testis	Dr. Öğr. Üyesi Binali FIRINCI	1	1	18,26	4,10	2,4,5
CCER7	Diaphragmatic Hernias	Dr. Öğr. Üyesi Çetin AYDIN	2	1	7	12	
CCER8	Corrosive Esophagus Damages	Dr. Öğr. Üyesi Çetin AYDIN	1		5,6,23,29	3,	
CCER9	Torticollisüyroglossal cyst	Dr. Öğr. Üyesi Çetin AYDIN	1	1	4	12	3
CCER10	Esophageal Atresia	Prof. Dr. Murat YİĞİTER	2	1	16,17	34	3
CCER11	Anorectal Malformations	Dr. Öğr. Üyesi Binali FIRINCI	2	1	1,14,26	12,15	9,10
CCER12	Hypertrophic Pyloric Stenosis	Prof. Dr. Murat YİĞİTER	1		5	19	2
CCER13	Genito - Urinary System Traumas	Dr. Öğr. Üyesi Çetin AYDIN	1	2	8,11,12	8	10
CCER14	Intussiseption	Prof. Dr. Murat YİĞİTER	1		1,5	1,2,7,23,28,40	1,2,9

CCER15	vitelline duct Residues, urachal duct residues umbilical Hemias	Dr. Öğr. Üyesi Binali FIRINCI	2		1,5	1,2,7,23,28,40	1,2,9
CCER16	ıntestinal Atresia NEC(necrotizing enterocolitis)	Prof. Dr. Murat YİĞİTER	2	1	1,5,17	1,,2,11,22	1,2,3
CCER17	Thoracal Traumas	Dr. Öğr. Üyesi Çetin AYDIN	1	1	8,11,12	1,,2,23,24	1,2,3,7,8,9,13
CCER18	Abdominal Pain in Childhood, Appendisitis	Prof. Dr. Murat YİĞİTER	1	1	1,5	1,2,7,23,28,40	1,2,9
CCER19	Hirschsprung Disease	Dr. Öğr. Üyesi Çetin AYDIN	2		1,5,16	1,15,23	1,2,9,12
CCER20	Abdominal Traumas	Dr. Öğr. Üyesi Çetin AYDIN	2	1	1,5,6,16,26,25	1,2,23,24	1,2,3,7,8,9,13
CCER21	VUR (vesicoureteral reflux	Prof. Dr. Murat YİĞİTER	1		8,9,11,26	5,6,26,27	1,6,13

6. SESSION IV PEDIATRIC SURGERY CLERKSHIP LEARNING METHODS

LEARNING METHODS OF PEDIATRIC SURGERY CLERKSHIP PROGRAM
Learning Methods Related with Knowledge:
• Structured learning activities in clinical skill laboratories and simulated patient centers • Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences • On-the-job learning and assessent • Structured case discussion
Learning Methods Related with Medical practices:
• Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures • Interdisciplinary learning activities (meetings, panels, group discussions) • Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) • CBL (Case-based learning) • Independent learning
Learning Methods Related with Professionalism
• Critical situation discussionsı • Reflection sessions • Written visual texts readings and interpretations • Student development file (portfolio) application • On-the-job learning and assessment (MiniPET)

7. SESSION IV PEDIATRIC SURGERY CLERKSHIP "STUDENT TRAINEE REPORT"

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the "Atatürk University Faculty of Medicine Trainee Report" which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV PEDIATRIC SURGERY CLERKSHIP STUDENT TRAINEE REPORT			
Name:……Surname:…….			
Student Number:		**Date::…../……/……**	
I- Basic Medicine Practices	**Learning Level****	**Number of Applications**	**Teaching Staff Approve (Date)**
A. Taking an Anamnesis			
To be able to take general and problematic anamnesis	**4**	**1***	
B. General and Problem-Oriented Physical Examination			
Abdominal Examination	**3**	1,2,3,*	
Genitourinary System Examination	**3**	1*	
C. Record Keeping, Reporting and Notification			
Writing prescriptions	**4**	1*	
Preparing a patient file	**4**		
D. Laboratory Tests and Other Related Processes			
Taking the laboratory sample under suitable conditions and sending it to the laboratory under suitable conditions	**4**	3	
Filling the request form for laboratory examination	**4**	3	
To be able to interpret the results of scanning and diagnostic purposes	**3**	3*	
E. Interventional and Non-Interventional Applications			
Inguinal Hernia Reduction (*****)	**3**	1,2	
Follow-up of the Patient After Surgery (with Assistant)	**3**	1,3	
I-Total Basic Medicine Practice score (out of 5 point)			
II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers) Total Professionalism score (out of 5 point)			
III- Clinical Problem Solving (out of 10) (Given from the performance shown in **Case Based Learning sessions)**			
TOTAL SCORE FROM TRAINEE REPORT (out of 20 point)			
Teaching Staff **Date and Sign**		**Head of Department** **Date and Sign**	

***** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

****Learning Level****

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

8. SESSION IV PEDIATRIC SURGERY CLERKSHIP ASSESSMENT AND EVALUATION METHODS

ASSESSMENT AND EVALUATION METHODS IN PEDIATRIC SURGERY CLERKSHIP
RACTICAL-ORAL EXAMINATION

• **Trainee Report:** Total contribution to the Practical-Oral Examination (20%)
  ➢ **Basic Medicine Practices** (5 %).
  ➢ **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).
  ➢ **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 10)
• **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (80 %)
• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.
• Students who fail the practical-oral examination, take the make-up exam.
• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice) exam.

THEORETICAL EXAM
• It consists of a total of 20 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) • Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. • Students who fail the theoretical examination, take the make-up exam.
SUCCESS GRADE
• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.
MAKE-UP EXAM
• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.

SESSION IV RADIOLOGY CLERKSHIP GUIDE

Code	MED407
Period	2 weeks

Type	Compulsory
ECTS	3

RADIOLOGY CLERKSHIP- Prerequisite Courses	
1	Taken the pre-clinical courses
2	Taken courses in the relevant committee (s) in session 3

REFERENCES (RESOURCE BOOK - OTHERS)	
1.	E.Tuncel Clinically Radiology 2012
2.	Michael Y.M. Chen, Thomas L. Pope, David J. Ott, Lange Basic Radiology, Second edition, 2011, The McGraw-Hill Companies
3.	Mukesh Harisinghani John Chen Ralph Weissleder, Primer of Diagnostic Imaging, 6th Edition, 2018, Elsevier

RADIOLOGY CLERKSHIP- RULES FOR STUDENTS	
1	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
2	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
3	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
4	Students are obliged to keep the **"Ataturk University Faculty of Medicine Trainee Report"** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
5	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
6	**In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in "Atatürk University Faculty of Medicine Teaching and Exam Application Principles".
7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at "http://anket.atauni.edu.tr". The participation link to the survey will be sent to the students by the dean's management.

1. SESSION IV RADIOLOGY CLERKSHIP- OBJECTIVE OF THE PROGRAM

OBJECTIVE OF THE RADIOLOGY CLERKSHIP PROGRAM	
	General radiology knowledge, choosing appropriate radiological methods, typical radiological diseases to gain the skills of recognizing the findings and making differential diagnosis.
	To be able to make a preliminary diagnosis / diagnosis by identifying emergency radiological conditions
	To gain the ability to explain what should be considered in the selection of imaging methods to be requested for diagnosis, the sensitivity and limitations of examination methods.
	To gain the ability to evaluate radiographs
	To learn the basic indications of ultrasonography, Doppler ultrasonography, computed tomography and magnetic resonance imaging indications and advanced imaging methods
	To be able to gain the knowledge, skills and professionalism characteristics determined for the internship

2. SESSION IV RADIOLOGY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
Contribution levels	4	4	5	2	5	4	5	3		5	4		3				5	4		4
Program Qualifications	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**								
Contribution levels	4	5	3		5	5	5	5	5	4	4	4								

Contribution levels: *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

3. SESSION IV RADIOLOGY CLERKSHIP LEARNING OBJECTIVES

A. Frequent reasons for application: During the Term VI Radiology Internship, the list could not be arranged separately for the Radiology internship, since the faculty may include a significant portion of the symptoms / conditions included in the core training program.

B. In terms of knowledge: : As the faculty may cover a significant portion of the diseases / clinical problems in the core training program during the Term VI Radiology Internship, no list was drawn up for the Radiology internship.

C. In terms of skill: It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Radiology clerkship period.

RADIOLOGY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	**BASIC MEDICINE APPLICATIONS**
Skills specified in the adjacent column; Knows how to practice and explains the results to patients and / or relatives **(LEARNING LEVEL 1)**	"--------"
Skills specified in the adjacent column; **In an emergency**, performs the application in accordance **with the guide / instruction** **(LEARNING LEVEL 2)**	"--------"
Skills specified in the adjacent column; performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application** **(LEARNING LEVEL 3)**	1. To recognize radiological anatomy 2. To be able to explain the biological effects of radiation 3. Explaining the side effects of contrast agents used in radiology and planning their treatment 4. To determine the priority radiological examination according to clinical findings 5. To distinguish the radiological views normally and pathologically 6. To be able to interpret the pathological radiological findings in basic systems (central nervous system, thorax, cardiovascular system, abdomen, musculoskeletal system, breast, pediatric, obstetric and gynecological) 7. To explain radiological emergencies according to the systems 8.To associate radiological findings with clinical information
Skills specified in the adjacent column; Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients	9.To be able to explain the pathological radiological findings in basic systems (central nervous system, thorax, cardiovascular system, abdomen, musculoskeletal system, breast, pediatric, obstetric and gynecological) within cause-effect relationships

and their relatives **and does the application** **(LEARNING LEVEL 4)**	10. To be able to read and evaluate direct radiographs 11. To be able to interpret the radiological examination results for screening and diagnostic purposes 12. informing the patient and getting patient approval form 13. To apply the principles of working with biological material 14. To be able to provide decontamination, disinfection, sterilization, antisepsis. 15. Hand washing

D. In terms of Professionalism: Attitudes listed below are expected to be gained during the period of Radiology clerkship

ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE RADIOLOGY CLERKSHIP
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine. 2. Rights-based health approach 3. Communication skills, communication in difficult situations, interpersonal relations and teamwork 4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine. 5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities. 6. Patient rights, physician responsibility, patient-physician relationship. 7. Problems and dilemmas for professionalism / ethics in health processes. 8. Legal problems in health processes. 9. Research and publication ethics. 10. Determinants of health, inequality in health, social gender and health. 11. Health systems, health policies. 12. Health economics and management. 13. Reflective thinking and practice, continuous individual and professional development, education and consultancy. 14. Adequate illumination of the patient on radiological imaging modalities 15. To obtain informed consent in terms of interventional radiological procedures to be applied to the patient,

4. SESSION IV RADIOLOGY CLERKSHIP - WEEKLY COURSE PROGRAM

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	1. Week		
Monday	Information about Radiology Internship Program	09.00-09.30	Lecturer in charge of internship
	Basic Radiology Physics	10.00-12.00	Dr. Ü. BAYRAKTUTAN
	Uroradiology	13.30-14.30	Dr. F. AYDIN
	Radiology practice	14.30-16.00	Lecturer in charge of internship
	Training meeting	16.00-17.00	
Tuesday	Respiratory System Radiology	09.00-11.00	Dr. A. KARAMAN
	Radiology practice	11.00-12.00	
	Case-Based Learning (CBL) Session 1	13.30-15.30	Dr. A. YALÇIN
	Radiology practice	15.30-17.00	
Wednesday	Gastrointestinal System Radiology	09.00-11.00	Dr. Ü. BAYRAKTUTAN
	Radiology practice	11.00-12.00	
	Elective / Freelance	13.30-16.00	Elective / Freelance
Thursday	Interventional Radiology	09.00-11.00	Dr. S. EREN
	Musculoskeletal Radiology (Radiological anatomy and basic pathologies)	11.00-12.00	Dr. B.Y.ÇANKAYA
	Neuroradiology (Radiological anatomy and basic pathologies)	13.30-14.30	Dr. A. YALÇIN
	Radiology practice	14.30-17.00	
Friday	Vascular System - Cardiac Radiology	09.00-11.00	Dr. M. KANTARCI
	Radiology practice	11.00-12.00	Lecturer in charge of internship
	Case-Based Learning (CBL) Session 2	13.30-15.30	Dr. F.GÜVEN
	Radiology practice	15.30-17.00	
	2. Week		
Monday	Breast Radiology and General Radiologic Algorithm	09.00-11.00	Dr. F. ALPER
	Radiology practice	11.00-12.00	Lecturer in charge of internship
	Pediatric Radiology	13.30-14.30	Dr. B. DEMİR
	Training meeting	14.30-16.00	
Tuesday	The diagnosis and management of acute ischemic stroke	09.00-10.00	Dr. A.YALÇIN
	Head and Neck Radiology	10.00-11.00	Dr. E. GÖZGEÇ
	Radiology practice	11.00-12.00	Lecturer in charge of internship
	Case-Based Learning (CBL) Session 3	13.30-15.30	Dr. A. YALÇIN
	Radiology practice	15.30-17.00	Lecturer in charge of internship
Wednesday	Obstetrics and Genital Radiology	09.00-11.00	Dr. F. GÜVEN
	Radiology practice	11.00-12.00	Lecturer in charge of internship
	Elective / Freelance	13.30-16.00	
Thursday	Emergency Radiology	09.00-11.00	Dr. M.YEŞİLYURT
	Radiology practice	11.00-12.00	Lecturer in charge of internship
	Radiology practice	13.30-16.00	Lecturer in charge of internship
	Training meeting	16.00-17.00	
Friday	Clinical Exam	09.30	
	Written Exam	13.30	
	The feedback meeting after internship program	After exams	Seminary Room

5. SESSION IV RADIOLOGY CLERKSHIP MATCHING COURSES WITH LEARNING OBJECTIVES

Code	Lesson Topic	Teaching Staff	Theoretical lesson	Practical lesson	Basic Medical Practices
RAD001	Basic Radiology Physics	Dr. U. Bayraktutan	2		2,3
RAD002	Uroradiology	Dr. F. AYDIN	1		1,4-9
RAD003	Respiratory System Radiology	Dr. A. KARAMAN	2		1,4-9
RAD004	CBL (Case-based learning), 1st seance)	Dr. A. YALÇIN		2	1,6,8, 9,10
RAD005	Gastrointestinal System Radiology	Dr. Ü. BAYRAKTUTAN	2		1,4-9
RAD006	Interventional Radiology	Dr. S.EREN	2		1,4-9
RAD007	Musculoskeletal Radiology (Radiological anatomy and basic pathologies)	Dr. B.Y.ÇANKAYA	1		1,12-15
RAD008	Neuroradiology (Radiological anatomy and basic pathologies)	Dr. A. YALÇIN	1		1,4-9,11
RAD009	Vascular System - Cardiac Radiology	Dr. M. KANTARCI	2		1,7-9,11
RAD010	Case-Based Evaluation (second session)	Dr. A.YALÇIN		2	1,12-15
RAD011	Breast Radiology and General Radiologic Algorithm	Dr. F. ALPER	2		1,4-9
RAD012	Pediatric Radiology	Dr. B. DEMİR	1		1,4-9
RAD013	The diagnosis and management of acute ischemic stroke	Dr. A.YALÇIN	1		1,4-9
RAD014	Head and Neck Radiology	Dr. E. GÖZGEÇ	1		1,6,8,9,10
RAD015	Case-Based Evaluation (third session)	Dr. A. YALÇIN		2	1,4-9
RAD016	Obstetrics and Genital Radiology	Dr. F. GUVEN	2		1,4-9,10,11
RAD017	Emergency Radiology	Dr . M. YEŞİLYURT	2		1,4-9,10
RAD018	Radiography, IVP, Fluoroscopy, Mammography Practice			6	1,4-9,10,11
RAD019	US and Doppler US Practice			5	1,6-9
RAD020	Practice of CT and MRI evaluation			6	1,6,8,9,10
RAD021	Interventional Radiology Practice			5	1,4-9
RAD022	Notification meeting of the aims and objectives of the internship	Head of internship commission	1		
RAD023	Post-internship feedback meeting	Head of internship commission	1		

6. SESSION IV RADIOLOGY CLERKSHIP LEARNING METHODS

LEARNING METHODS OF RADIOLOGY CLERKSHIP PROGRAM
Learning Methods Related with Knowledge:
• Structured learning activities in clinical skill laboratories and simulated patient centers • Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences • On-the-job learning and assessment • Structured case discussion
Learning Methods Related with Medical practices:
• Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures

• Interdisciplinary learning activities (meetings, panels, group discussions) • Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) • Independent learning
Learning Methods Related with Professionalism
• Critical situation discussions • Reflection sessions • Gamification, psychodrama • Written visual texts readings and interpretations • Student development file (portfolio) application • On-the-job learning and assessment (MiniPET)

7. SESSION IV RADIOLOGY CLERKSHIP "STUDENT TRAINEE REPORT"

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the "Atatürk University Faculty of Medicine Trainee Report" which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

Name:……Surname:…….			
Student Number:		**Date::…../……/……**	
I- Basic Medicine Practices	**Learning Level ****	**Number of Applications**	**Teaching Staff Approve (Date)**
1.Radiological anatomy recognition	1	5	
2. To explain the biological effects of radiation	**1**	1	
3. Describing the side effects of contrast agents used in radiology and planning their treatment	**3**	1*	
4. To determine the priority radiological examination according to clinical findings	**3**	1*	
5. To be able to distinguish the radiological views normally and pathologically	**2**	5*	
6.To be able to interpret the pathological radiological findings in basic systems (central nervous system, thorax, cardiovascular system, abdomen, musculoskeletal system, breast, pediatric, obstetric and gynecological)	**2**	5*	
7. To explain radiological emergencies according to the systems	**3**	5	
8. To be able to associate radiological findings with clinical information	**3**	5	
9. To be able to explain the pathological radiological findings in basic systems (central nervous system, thorax, cardiovascular system, abdomen, musculoskeletal system, breast, pediatric, obstetric and gynecological) within cause-effect relationships.	**2**	5*	
10. To be able to read and evaluate direct radiographs	**3**	10	
11. To be able to interpret the radiological examination results for screening and diagnostic purposes	**3**	10	
12. Informing the patient and getting patient approval form	**1**	3*	
13. To apply the principles of working with biological material	**2**	3	
14. To be able to provide decontamination, disinfection, sterilization, antisepsis.	**2**	3	
15. Hand washing	**4**	5	
Total Basic Medicine Practice score (out of 10)			
II- Impression about the student - Professionalism Suitable for Physician (Assessed by Faculty Members)			
Compliance with internship rules			
Adaptation to team work			
Total Professionalism score (out of 10)			
INTERNSHIP REPORT TOTAL SCORE (out of 20 points)			
Teaching Staff **Date and Sign**		**Head of Department** **Date and Sign**	

***** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

****Learning Level****

Learning Level**	**Explanation**
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

8. SESSION IV RADIOLOGY CLERKSHIP ASSESSMENT AND EVALUATION METHODS

ASSESSMENT AND EVALUATION METHODS IN RADIOLOGY CLERKSHIP
PRACTICAL-ORAL EXAMINATION
• **Trainee Report:** Total contribution to the Practical-Oral Examination (20%) ➢ **Basic Medicine Practices** (10 %). ➢ **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration. Contribution to the practice-oral exam at the end of the internship (10%). • **Practical and Oral Examination:** It is carried out in the form of direct observation and evaluation of practical / observational and interventional skills. Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating radiological information). Total contribution to the Practical-Oral Examination (80 %) • Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. • Students who fail the practical-oral examination, take the make-up exam. • Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam.
THEORETICAL EXAM
• It consists of a total of 50 multiple choice questions (evaluating clinical information and clinical decision) • Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. • Students who fail the theoretical examination, take the make-up exam.
SUCCESS GRADE
• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.
MAKE-UP EXAM
• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.

SESSION IV FAMILY MEDICINE CLERKSHIP GUIDE

Code	MED451	**Type**	Elective
Period	2 weeks	**ECTS**	6

FAMILY MEDICINE CLERKSHIP- Prerequisite Courses	
1	Taken the pre-clinical courses
2	Taken courses in the relevant committee (s) in session 3

REFERENCES (RESOURCE BOOK - OTHERS)	
1.	Rakel Family Medicine Textbook
2.	McWhinney Essensial of Family Medicine

FAMILY MEDICINE CLERKSHIP- RULES FOR STUDENTS	
1	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
2	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
3	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
4	Students are obliged to keep the **"Ataturk University Faculty of Medicine Trainee Report"** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
5	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
6	**In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in "Atatürk University Faculty of Medicine Teaching and Exam Application Principles".
7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at "http://anket.atauni.edu.tr". The participation link to the survey will be sent to the students by the dean's management.

1. SESSION IV FAMILY MEDICINE CLERKSHIP- OBJECTIVE OF THE PROGRAM

OBJECTIVE OF THE FAMILY MEDICINE CLERKSHIP PROGRAM	
1.	To teach the definition, characteristics, history and functioning of Family Medicine
2.	To teach biopsychosocial approach in Family Medicine
3.	To teach medical history and physical examination in Family Medicine
4.	To teach the necessity of keeping records, and reporting in Family Medicine
5.	To teach laboratory tests and other related procedures in Family Medicine
6.	To teach the management of common diseases in Family Medicine
7.	To teach preventive medicine applications in Family Medicine
8.	To teach health services to improve general health in family medicine
9.	To teach emergency response at primary level and to provide patient referral under appropriate conditions.
10.	To gain the knowledge, skills and professionalism characteristics determined for the internship.

2. SESSION IV FAMILY MEDICINE CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
Contribution levels	4	5	5	5	4	4	3	3	1	4	4	4		3	3			3	3	4
Program Qualifications	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**								
Contribution levels	4	4	4	4	4	1	1	1												

Contribution levels: *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

3. SESSION IV FAMILY MEDICINE CLERKSHIP LEARNING OBJECTIVES

A. Frequent reasons for application: Competence is expected in terms of Clinical Symptoms / Signs / Status during the Family Medicine clerkship period

FAMILY MEDICINE CLERKSHIP- *LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS*		
1. Dry mouth	7. Runny nose / congestion	13. Breast lumps
2. Anemia	8. Growth-developmental retardation	14. Polydipsia
3. Anxiety	9. Mood changes	15. Polyuria
4. Fever	10. Hypertension	16. Postnasal discharge
5. Headache	11. Suicide (Thought, attempt) / Self-harm	17. Tobacco use
6. Sore throat	12. Weight gain / excess	18.Halsizlik/yorgunluk

B. In terms of knowledge: It is expected to have knowledge at the levels determined in the **"Diseases / Clinical Problems"** listed below during the Family Medicine clerkship period.

FAMILY MEDICINE CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*	
LEARNING LEVELS	**CLINICAL PROBLEM**
In the clinical problems mentioned in the column next to; **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary**	1. Appendicitis 2. Hemorrhagic diseases of the newborn 3. Cardiopulmonary arrest
In the clinical problems mentioned in the column next to; **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert**	1. Sexual dysfunctions 2. Physical symptom disorders 3. Cystic fibrosis 4. Chromosome diseases (common) 5. Breast diseases and tumors 6. Secondary hypertension 7. Sleeping disorders 8. Attention deficit and hyperactivity disorder 9. Pheochromocytoma 10. Panic disorder 11. Sleep - apnea syndrome
In the clinical problems mentioned in the column next to;	1. RH incompatibility during pregnancy 2. Depression 3. Hyperemesis gravidarum

To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures	4. Metabolic syndrome 5. Obesity 6. Newborn jaundice
In the clinical problems mentioned in the column next to; **Be able to Diagnose and Treat (DT)**	1. Vitamin D deficiency 2. Iron deficiency anemia 3. Diabetes mellitus and complications 4. Essential hypertension 5. Conjunctivitis in newborns 6. Upper respiratory infections 7. influenza
In the clinical problems mentioned in the column next to; **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)**	1. RH incompatibility during pregnancy 2. Risky pregnancy 3. Cervical tumors 4. Metabolic disorders in newborn 5. Upper respiratory tracct infections
In the clinical problems mentioned in the column next to; **be able to follow up (F) in necessary cases**	1. Iron deficiency anemia 2. Depression 3. Diabetes mellitus and its complications 4. Essential hypertension 5. Metabolic syndrome 6. Obesity 7. Gestational diabetes

C. In terms of skill: It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Family Medicine clerkship period.

FAMILY MEDICINE CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	**BASIC MEDICINE APPLICATIONS**
Skills specified in the adjacent column; **Knows** how to practice and **explains** the results to patients and / or relatives **(LEARNING LEVEL 1)**	.....
Skills specified in the adjacent column; **In an emergency**, performs the application in accordance **with the guide / instruction (LEARNING LEVEL 2)**	.....
Skills specified in the adjacent column; performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application (LEARNING LEVEL 3)**	To be able to identify risk groups in the society
Skills specified in the adjacent column; Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application (LEARNING LEVEL 4)**	1. Immunization-in childhood and adults 2. Healthy Infant Monitoring 3. Exercise and physical activity 4. Follow-up and periodic health examinations at different stages of life (pregnancy, birth, puerperium, newborn, childhood, adolescence, adulthood, old age) 5. Healthy eating 6. Pre-marriage screening program 7. Developmental hip dysplasia screening program 8. Vision screening programs 9. Hearing screening programs 10. Newborn metabolic and endocrine disease screening program 11. Periodic health examination (vision, hearing, metabolic diseases, vaccination of risky groups, cancer screening) 12. Ability to teach breast self-examination 13. Immunization counseling 14. To be able to carry out immunization services 15. To teach the correct breastfeeding methods

D. In terms of Behavioral, Social and Humanities: It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the Family Medicine clerkship period

FAMILY MEDICINE CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	2. Addiction b. Tobacco
	5. Environment and health interaction a. Healthy nutrition and food policies
	8. Difficulties in physician-patient interaction a. Incompatibility / rejection to preventive and therapeutic applications (eg vaccine instability) g. Bodily symptoms triggered by somatization / psycho-social factors
	9. Priority / disadvantaged groups a. to. pregnant women
	10. Legal and ethical situations a. Professional duties and obligations b. Legal and ethical differences and dilemmas in medical practices d. The legal nature and ethical dimension of the physician-patient relationship g. Ethical situations in medical record, prescription and report writing
	12. Unemployment and poverty c. Individual's psycho-social well-being d. Community and family health
	20. Psychological and social well-being a. Health in different stages of life b. Family health, family support
	25. Health conditions a. Nutrition b. Physical, mental activity and exercise c. Sedentary life h. Maternal and child health j. Health promotion l. immunization p. Health scans
	31. Professionalism in Medicine c. Professional values, professional identity development and historical perspective, being open to professional and individual development

E. In terms of Professionalism: Attitudes listed below are expected to be gained during the period of Family Medicine clerkship

ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE FAMILY MEDICINE CLERKSHIP
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine. 2. Rights-based health approach 3. Communication skills, communication in difficult situations, interpersonal relations and teamwork 4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine. 5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities. 6. Patient rights, physician responsibility, patient-physician relationship. 7. Problems and dilemmas for professionalism / ethics in health processes. 8. Legal problems in health processes. 9. Research and publication ethics. 10. Determinants of health, inequality in health, social gender and health. 11. Health systems, health policies. 12. Health economics and management. 13. Reflective thinking and practice, continuous individual and professional development, education and consultancy. 14. Work culture in coordination with other members of the team and disciplines 15. Being able to share their knowledge and professional experience with other members of the team,

4. SESSION IV FAMILY MEDICINE CLERKSHIP - WEEKLY COURSE PROGRAM

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	1. Week		
Monday	Information about the clerkship- Ethical and professional values in clinical practice	08.00-09.50	Asst.Prof. İ.B.Y. KARTAL
	ÇEP Teaching Targets	10.00-11.50	Asst.Prof. İ.B.Y. KARTAL
	Case-Based Learning (CBL) Session 1	13.30-14.20	Asst.Prof. İ.B.Y. KARTAL
	Family Medicine and Management of FHS	14.30-15.20	Asst.Prof. İ.B.Y. KARTAL
	Elective/freelance	15.30-17.00	
Tuesday	Pediatric physical examination and medical history	08.00-08.50	Prof. Dr. Yasemin ÇAYIR
	Healthy Children Follow-up1	09.00-09.50	Prof. Dr. Yasemin ÇAYIR
	Healthy Children Follow-up-2	10.00-10.50	Prof. Dr. Yasemin ÇAYIR
	Vaccines-1 (Flipped classroom)	11.00-11.50	Prof. Dr. Yasemin ÇAYIR
	Vaccines-2 (Flipped classroom)	13.30-14.20	Prof. Dr. Yasemin ÇAYIR
	Newborn Care in Family Medicine	14.30-15.20	Prof. Dr. Yasemin ÇAYIR
	Elective/freelance	15.30-17.00	
Wednesday	Practices of prescription in the area	08.00-11.50	Asst.Prof. İ.B.Y. KARTAL
	Elective/freelance	13.30-17.00	
Thursday	Physical Examination in Primary Care-1	08.00-08.50	Asst.Prof. Suat SİNCAN
	Physical Examination in Primary Care-2	09.00-09.50	Asst.Prof. Suat SİNCAN
	Upper Respiratory Tract Infections in Primary care -1	10.00-10.50	Asst.Prof. Suat SİNCAN
	Upper Respiratory Tract Infections in Primary care -2	11.00-11.50	Asst.Prof. Suat SİNCAN
	Periodical Physical Examination	13.30-14.20	Asst.Prof. Suat SİNCAN
	Cancer screenings in Primary Care	14.30-15.20	Asst.Prof. İ.B.Y. KARTAL
	Elective/freelance	15.30-17.00	
Friday	Management of Diabetes in Primary Care-1	08.00-08.50	Asst.Prof. İ.B.Y. KARTAL
	Management of Diabetes in Primary Care-2	09.00-09.50	Asst.Prof. İ.B.Y. KARTAL
	Management of Hypertension in Primary Care-1	10.00-10.50	Asst.Prof. Mehmet Akif NAS
	Management of Hypertension in Primary Care-2	11.00-11.50	Asst.Prof. Mehmet Akif NAS
	Management of Depression in Primary Care-1	13.30-14.20	Asst.Prof. İ.B.Y. KARTAL
	Management of Depression in Primary Care-2	14.30-15.20	Asst.Prof. İ.B.Y. KARTAL
	Elective/freelance	15.30-17.00	
	2. Week		
Monday	Pregnant follow up in Primary care-1	08.00-08.50	Asst.Prof. Mehmet Akif NAS
	Pregnant follow up in Primary care-2	09.00-09.50	Asst.Prof. Mehmet Akif NAS
	Interpreting Lab tests in Primary care-1	11.00-11.50	Assoc.Prof. Mustafa BAYRAKTAR
	Case-Based Learning (CBL) Session 2)	13.30-14.20	Asst.Prof. İ.B.Y. KARTAL
	ECG in Primary care -1 (Flipped classroom)	14.30-15.20	Assoc.Prof. Mustafa BAYRAKTAR
	Elective/freelance	15.30-17.00	
Tuesday	Obesity and metabolic syndrome in Primary care -1	08.00-08.50	Prof. Dr. Yasemin ÇAYIR
	Obesity and metabolic syndrome in Primary care -2	09.00-09.50	Prof. Dr. Yasemin ÇAYIR
	Frequent prescriptions in Primary care-1	10.00-10.50	Asst.Prof. Suat SİNCAN
	Frequent prescriptions in Primary care-2	11.00-11.50	Asst.Prof. Suat SİNCAN
	Complementary feeding-1	13.30-14.20	Prof. Dr. Yasemin ÇAYIR
	Complementary feeding-2	14.30-15.20	Prof. Dr. Yasemin ÇAYIR
	Elective/freelance	15.30-17.00	
Wednesday	Practices of prescription in the area	08.00-11.50	Asst.Prof. İ.B.Y. KARTAL
	Elective/freelance	13.00-17.00	
Thursday	Family Medicine Description and the History	09.00-09.50	Asst.Prof. Suat SİNCAN
	Medical Law in Primary care	10.00-10.50	Asst.Prof. Suat SİNCAN
	Case-Based Learning (CBL) Session 3	11.00-11.50	Asst.Prof. İ.B.Y. KARTAL
	Management of Anemia in Primary Care-1	13.30-14.20	Asst.Prof. Mehmet Akif NAS
	Management of Anemia in Primary Care-1	14.30-15.20	Asst.Prof. Mehmet Akif NAS
	Elective/freelance	15.30-17.00	
Friday	Practical Examination	08.00-12.00	Prof. Dr. Yasemin ÇAYIR, Assoc.Prof. Mustafa BAYRAKTAR, Asst.Prof. Suat SİNCAN, Asst.Prof. İ.B.Y. KARTAL, Asst.Prof. Mehmet Akif NAS
	Written Examination	13.30-15.30	
	Feedbacks	15.30-17.00	Asst.Prof. İ.B.Y. KARTAL

5. SESSION IV FAMILY MEDICINE CLERKSHIP MATCHING COURSES WITH LEARNING OBJECTIVES

MATCHING FAMILY MEDICINE CLERKSHIP LESSONS WITH EDUCATIONAL OBJECTIVES							
Lesson Code	**Lesson Topic**	**LECTURER**	**Teoretocical hour**	**Practical Hour**	**Symptoms/ situations**	**Clinical problem**	**Basic Physical practice**
AH4001	Information about Internship and Ethical and Professional Values in Clinical Practice	Asst.Prof. İ.B.Y. KARTAL	2				
AH4002	ÇEP Teaching Targets	Asst.Prof. İ.B.Y. KARTAL	2				
AH4003	Family Medicine and Management of ASM	Asst.Prof. İ.B.Y. KARTAL	2				A1,C1,C2, C3,C4,C6,C7
AH4004	Pediatric physical examination and anamnesis	Prof. Y. ÇAYIR	2		11,15,17,20,23,29,40,54, 63,92,99,100	5,12,14,30,61,62,74,91	B5,B9,B3,B9 E8,E11,E40
AH4005	Physical Examination in Primary Care	Asst.Prof. S.SINCAN	2		1,5,18,25,31,43,44,52,73, 115,132	19,23,39,42,50,63,7581,95	A1,B3,B11,D5,D6,D7E3,E6,E8,E11,F5
AH4006	Management of Diabetes in Primary Care	Asst.Prof. İ.B.Y. KARTAL	2		3,46,48,112,113	76,118,144,146	A1,B10,D7,D9,D10,E6
AH4007	Management of Hypertension in Primary Care	Asst.Prof. Mehmet Akif NAS	2		12,22,25,44	1,8,11,29,164,196	B13,D5,D9,E6,E40
AH4008	ECG in Primary care	Assoc.Prof. M. BAYRAKTAR	2		25,44,56,71	14,28,167,168, 174	D5,D8,E40
AH4009	Family Medicine Description and the History	Asst.Prof. S.SINCAN	1				A1,B1,B20,C1,C2,C4C6,C11
AH4010	Medical Law in Primary care	Asst.Prof. S.SINCAN	1				B18,B19,B20,C1,C2C3,C6,C10,C11
AH4011	Management of Depression in Primary Care	Asst.Prof. İ.B.Y. KARTAL	2		6,16,37,48,67,68, 98	68	A1,A3,B4,B20
AH4012	Vaccines	Prof. Y. ÇAYIR	2		11,15,21,29	21,47,91	A1,B9,E56,E60,E63,F4
AH4013	Healthy Children Folow-up	Prof. Y. ÇAYIR	2				B5,E11,F3,F11,H1,H2
AH4014	Newborn Care in Family Medicine	Prof. Y. ÇAYIR	1				B5,D18,E20,E69,F3,F11,H1,H2,I5
AH4015	Obesity and metabolic syndrome in Primary care	Prof. Y. ÇAYIR	2		3,9,14,24,30,56,62,69,112,113	15,76,81,101,219	B13,D5,D7,D,10,H3,H5
AH4017	Frequent prescriptions in Primary care	Asst.Prof. S.SINCAN	2			108,316,312	B3,B15,B21,E4
AH4018	Periodical Physical Examination	Asst.Prof. S.SINCAN	1				B3,B8,B11,B13,B16,B21,D7,E40
AH4019	Cancer screenings in Primary Care	Asst.Prof. İ.B.Y. KARTAL	1		5,11,14,48,77,92, 94,95,96,141	7,39,50,110,180,213,230	A1,B16,D18
AH4020	Pregnant follow up in Primary care	Asst.Prof. Mehmet Akif NAS	2		13,14,20,37,48,56,72,102	67,115,121,92	B8,D17,E25
AH4021	Interpreting Lab tests in Primary care	Assoc.Prof. M. BAYRAKTAR	2				D3,D6,D8,D9,D13, D17
AH4023	Complementary feeding	Prof. Y. ÇAYIR	2				H3,H5
AH4024	Approach to Anemia in Family Medicine	Asst.Prof. Mehmet Akif NAS	2		3,5,10,17,25,62		47,48,50,51
AH4025	Feedbacks	Asst.Prof. İ.B.Y. KARTAL	1				

6. SESSION IV FAMILY MEDICINE CLERKSHIP LEARNING METHODS

LEARNING METHODS OF FAMILY MEDICINE CLERKSHIP PROGRAM
Learning Methods Related with Knowledge:
• Structured learning activities in clinical skill laboratories and simulated patient centers • Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences • On-the-job learning and assessment • Structured case discussion
Learning Methods Related with Medical practices:
• Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures • Interdisciplinary learning activities (meetings, panels, group discussions) • Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) • Independent learning
Learning Methods Related with Professionalism
• Interdiciplinary learning activities • Critical situation discussions • Reflection sessions • Written visual texts readings and interpretations

7. SESSION IV FAMILY MEDICINE CLERKSHIP "STUDENT TRAINEE REPORT"

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the "Atatürk University Faculty of Medicine Trainee Report" which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV FAMILY MEDICINE CLERKSHIP STUDENT TRAINEE REPORT			
Name:……Surname:……. **Student Number:**		**Date::…../……/……**	
I- Basic Medicine Practices	**Learning Level****	**Number of Applications**	**Teaching Staff Approve (Date)**
A. Taking Anamnesis			
To be able to take general and problematic medical history	**4**	**3***	
B. Physical Examination (General and Problem-Oriented)			
To make general system examination	**3**	3*	
Ability to perform detailed physical examination specific to the problem	**3**	3*	
C. Registration, Reporting and Notification			
Writing prescriptions	**4**	3*	
Record keeping in AHBS	**4**	3	
D. Laboratory Tests and Other Related Processes			
Taking the laboratory sample under suitable conditions and sending it to the laboratory under suitable conditions	**4**	3	
Filling the request form for laboratory examination	**4**	3	
Scanning and interpreting laboratory results	**3**	3*	
E. Interventional and Non-Interventional Applications			
Injection	**4**	2*	
Venous blood collection	**4**	2	
Ability to take heel blood	**4**	1	
Vaccine application	**4**	1	
To be able to follow pregnant-puerperant-baby	**4**	1	
Cancer screening	**4**	1	
I-Total Basic Medicine Practice score (out of 5 point)			
TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)			
Teaching Staff **Date and Sign**		**Head of Department** **Date and Sign**	

***** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

****Learning Level****

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

8. SESSION IV FAMILY MEDICINE CLERKSHIP ASSESSMENT AND EVALUATION METHODS

ASSESSMENT AND EVALUATION METHODS IN FAMILY MEDICINE CLERKSHIP
RACTICAL-ORAL EXAMINATION
• **Trainee Report:** Total contribution to the Practical-Oral Examination (15%) ➢ **Basic Medicine Practices** (10%). ➢ **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%). • **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (85%) • Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. • Students who fail the practical-oral examination, take the make-up exam. • Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam.
THEORETICAL EXAM
• It consists of a total of 100 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) • Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. • Students who fail the theoretical examination, take the make-up exam. Sınavınızda çoktan seçmeli ve/veya yazılı sınav sorusu konusunda bilgi veriniz. Lütfen silmeyi unutmayınız)
SUCCESS GRADE
• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.
MAKE-UP EXAM
• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.

SESSION IV CLINICAL PHARMACOLOGY CLERKSHIP GUIDE

Code	MED452	**Type**	Elective
Period	2 weeks	**ECTS**	3

CLINICAL PHARMACOLOGY CLERKSHIP- Prerequisite Courses	
1	Taken the pre-clinical courses
2	Taken courses in the relevant committees in session 2 and 3

REFERENCES (RESOURCE BOOK - OTHERS)	
1.	Oğuz Kayaalp Medical Pharmacology Book (volumes 1 and 2)
2.	Goodman Gilman Pharmacology Book
3.	Lippincott's Illustrated Reviews Pharmacology Book
4.	Katzung and Trevor Pharmacology Book

CLINICAL PHARMACOLOGY CLERKSHIP- RULES FOR STUDENTS	
1	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
2	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
3	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
4	Students are obliged to keep the **"Ataturk University Faculty of Medicine Trainee Report"** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
5	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
6	**In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in "Atatürk University Faculty of Medicine Teaching and Exam Application Principles".
7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at "http://anket.atauni.edu.tr". The participation link to the survey will be sent to the students by the dean's management.

1. SESSION IV CLINICAL PHARMACOLOGY CLERKSHIP- OBJECTIVE OF THE PROGRAM

OBJECTIVE OF THE CLINICAL PHARMACOLOGY CLERKSHIP PROGRAM	
1.	To gain awareness and skill of rational drug and personal drug selection
2.	To gain rational prescribing skills
3.	To raise awareness about drug interactions and adverse effects of drugs
4.	To inform about drug application methods
5.	To raise awareness about drug poisoning and its treatment
6.	To gain the knowledge, skills and professionalism characteristics determined for the internship.

2. SESSION IV CLINICAL PHARMACOLOGY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	5	5	5	4	3	5	5	5	3	5	5	5	3	3	3	5	3	3	5	5
Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32								
Contribution levelsvbc	5	5	5	5	5	5	5	5	5	5	5	5								

Contribution levels: *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

3. SESSION IV CLINICAL PHARMACOLOGY CLERKSHIP LEARNING OBJECTIVES

A. Frequent reasons for application: Competence is expected in terms of Clinical Symptoms / Signs / Status during the Clinical Pharmacology clerkship period

CLINICAL PHARMACOLOGY CLERKSHIP- ***LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS***					
1	Fever	12	Movement restriction in joints	23	Immobilization
2	Headache	13	Cough	24	Suicidal ideation / attempt
3	Nausea-vomiting	14	Weight gain	25	Fatigue and tiredness
4	Joint pain / swelling	15	Weight loss	26	Cognitive impairment and forgetfulness
5	Mood changes	16	Runny nose / congestion	27	Problems with sleep
6	Fatigue	17	Legal situations / responsibilities	28	Tobacco use
7	Abdominal pain	18	provision of health services in Turkey	29	Learning difficulties
8	Hypertension	19	Health systems and economy	30	Decreased reasoning ability
9	Polyuria	20	Neuropathic pain	31	Sexual dysfunction
10	Polydipsia	21	Risk management and malpractice	32	Dizziness
11	Sore throat	22	Appetite disorder	33	Hypotension

B. In terms of knowledge: It is expected to have knowledge at the levels determined in the **"Diseases / Clinical Problems"** listed below during the Clinical Pharmacology clerkship period.

CLINICAL PHARMACOLOGY CLERKSHIP- ***CLINICAL PROBLEM LEARNING LEVELS***	
LEARNING LEVELS	**CLINICAL PROBLEM**
In the clinical problems mentioned in the column next to; **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary**	1. Schizophrenia and other psychotic disorders 2. Nausea and Vomiting 3. Essential hypertension 4. Drug side effects 5. Diabetes mellitus and its complications 6. Iron deficiency anemia
In the clinical problems mentioned in the column next to;	7. Schizophrenia and other psychotic disorders 8. Secondary hypertension

Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert	
In the clinical problems mentioned in the column next to; **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures**	9. Depression 10. Drug side effects
In the clinical problems mentioned in the column next to; **Be able to Diagnose and Treat (DT)**	11 Nausea and Vomiting 12. Essential hypertension 13. Upper respiratory tract infections 14. Osteoarthritis 15. Diabetes mellitus and its complications 16. Iron deficiency anemia
In the clinical problems mentioned in the column next to; **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)**	7 Nausea and Vomiting 8. Diabetes mellitus and its complications 9. Upper respiratory tract infections 0. Essential hypertension 1. Depression 2. Drug side effects 3. Osteoarthritis 4. Iron deficiency anemia 5. Schizophrenia and other psychotic disorders
In the clinical problems mentioned in the column next to; **be able to follow up (F) in necessary cases**	6. Nausea and vomiting 7. Essential hypertension 8. Medication side effects 9. Depression 0. Osteoarthritis 1. Diabetes mellitus and its complications 2. Iron deficiency anemia

C. In terms of skill: It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Clinical Pharmacology clerkship period.

CLINICAL PHARMACOLOGY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	**BASIC MEDICINE APPLICATIONS**
Skills specified in the adjacent column; performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application** **(LEARNING LEVEL 3)**	1. To be able to prepare the drugs to be applied correctly 2. To be able to perform oral, rectal, vaginal and topical drug applications 3. To be able to reach current literature information and to read it critically 4. Ability to take psychiatric history 5. Consciousness assessment and mental state examination
Skills specified in the adjacent column; Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application** **(LEARNING LEVEL 4)**	6. General situation and evaluation of vital signs 7. To be able to take general and problematic stories 8. To be able to issue a recipe 9. Rational drug use 10. To be able to evaluate mental state

D. In terms of Behavioral, Social and Humanities: It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the Clinical Pharmacology clerkship period

CLINICAL PHARMACOLOGY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	2. Addiction a. Alcohol b. Tobacco c. Matter d. Behavioral addiction (gambling, shopping, technological, internet addiction) e. Familial and social burden due to addiction
	3. Scientific research methods and ethics e. Research ethics, violations and legal aspects
	8. Difficulties in physician-patient interaction b. Overly demanding patient d. Resistant patient e. Failure (use of health service by acting as a patient to gain interest)
	11. Legal and ethical situations a. Professional duties and obligations g. Ethical situations in medical record, prescription and report writing
	12. Unemployment and poverty c. Individual's psycho-social well-being
	23. Health practices require self-criticism g. Extreme medical practices
	24. Health management c.Health economy

E. In terms of Professionalism: Attitudes listed below are expected to be gained during the period of Clinical Pharmacology clerkship

ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE CLINICAL PHARMACOLOGY CLERKSHIP
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine. 2. Rights-based health approach 3. Communication skills, communication in difficult situations, interpersonal relations and teamwork 4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine. 5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities. 6. Patient rights, physician responsibility, patient-physician relationship. 7. Problems and dilemmas for professionalism / ethics in health processes.

8. Legal problems in health processes.

9. Research and publication ethics.

10. Determinants of health, inequality in health, social gender and health.

11. Health systems, health policies.

12. Health economics and management.

13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.

Üstteki bölüme Ekleme-çıkarma yapabilirsiniz (Lütfen uyarıyı silmeyi unutmayınız)

4. SESSION IV CLINICAL PHARMACOLOGY CLERKSHIP - WEEKLY COURSE PROGRAM

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	1. Week		
Monday	Clinical Pharmacology	08:00 - 08:50 09:00 - 09:50 10:00 - 10:50 11:00 - 11:50	Asst. Prof. Selçuk ŞENYAYLA
	K (Personal) Drug Selection and Making a K Table	13:00 - 13:50 14:00 - 14:50 15:00 - 15:00 16:00 - 16:50	Prof. Erol AKPINAR
Tuesday	Rational Use of Antibiotics	08:00 - 08:50 09:00 - 09:50 10:00 - 10:50 11:00 - 11:50	Asst. Prof. Selçuk ŞENYAYLA
	Nausea - Vomiting Treatment (Case-based learning session)	13:00 - 13:50 14:00 - 14:50 15:00 - 15:50 16:00 - 16:50	Prof. Elif ÇADIRCI
Wednesday	Prescribing Practices of Common Diseases in the Field	08:00 - 08:50 09:00 - 09:50 10:00 - 10:50 11:00 - 11:50	
	Elective/Freelance Studies	13:00 - 13:50 14:00 - 14:50 15:00 - 15:50 16:00 - 16:50	
Thursday	Asthma	08:00 - 08:50 09:00 - 09:50 10:00 - 10:50 11:00 - 11:50	Assoc. Prof. Irmak FERAH OKKAY
	Osteoarthritis Treatment (Case-based learning session)	13:00 - 13:50 14:00 - 14:50 15:00 - 15:50 16:00 - 16:50	Prof. Abdulmecit ALBAYRAK
Friday	Diabetes Mellistus Treatment (Case-based learning session)	08:00 - 08:50 09:00 - 09:50 10:00 - 10:50 11:00 - 11:50	Prof. Erol AKPINAR
	Major Depression Treatments (Case-based learning session)	13:00 - 13:50 14:00 - 14:50 15:00 - 15:50 16:00 - 16:50	Assoc.Prof. Ufuk OKKAY
Monday	**2. Week**		

	Anemia Treatment (Case-based learning session)	08:00 - 08:50 09:00 - 09:50 10:00 - 10:50 11:00 - 11:50	Prof. Dr. Elif ÇADIRCI
	Acute Tonsillitis Treatment (Case-based learning session	13:00 - 13:50 14:00 - 14:50 15:00 - 15:50 16:00 - 16:50	Prof. Zekai HALICI
Tuesday	Peptic Ulcer Treatment	08:00 - 08:50 09:00 - 09:50 10:00 - 10:50 11:00 - 11:50	Prof. Abdulmecit ALBAYRAK
	Hypertansion Treatment (Case-based learning session)	13:00 - 13:50 14:00 - 14:50 15:00 - 15:50 16:00 - 16:50	Asst. Prof. Ayşenur BUDAK SAVAŞ
Wednesday	Gastroenterit Treatment (Case-based learning session)astım	08:00 - 08:50 09:00 - 09:50 10:00 - 10:50 11:00 - 11:50	Asst. Prof. Ayşenur BUDAK SAVAŞ
	UrinaryTract Infection	13:00 - 13:50 14:00 - 14:50 15:00 - 15:50 16:00 - 16:50	Prof. Zekai HALICI
Thursday	Prescribing Practices of Common Diseases in the Field	08:00 - 08:50 09:00 - 09:50 10:00 - 10:50 11:00 - 11:50	
	Elective/Freelance Studies	13:00 - 13:50 14:00 - 14:50 15:00 - 15:50 16:00 - 16:50	
Friday	Oral Examination	08:00 - 12:00	
	Written Examination	13:00 - 15:00	
	Internship Feedback	15:00 - 17:00	Head of Internship

5. SESSION IV CLINICAL PHARMACOLOGY CLERKSHIP MATCHING COURSES WITH LEARNING OBJECTIVES

MATCHING CLINICAL PHARMACOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES								
Code	**Lesson Topic**	**Teaching Staff**	**Theoretical lesson**	**Practical lesson**	**Symptoms / Conditions**	**Clinical problem**	**Basic Medical Practices**	**Behavioral, Social and Humanities**
CP001	Information About Internship and Ethical and Professional Values in Clinical Practices	Dr. Öğretim Üyesi Ufuk Okkay	2		17, 18, 19, 20, 21	4	1, 2, 3, 6, 7, 8, 9	3e, 8b, 8d, 8e, 11.a, 11g, 24c
CP002	Rational Drug Use and Prescription Information	Dr. Öğretim Üyesi Ufuk Okkay	2		17, 18, 19, 2, 21	4	1, 2, 3, 6, 7, 8, 9	11a, 11g, 23g, 24c
CP003	K (personal) Drug selection and K table construction	Dr. Öğretim Üyesi Duygu Köse	2		17, 18, 19, 2, 21	4	1, 2, 3, 6, 7, 8, 9	11a, 11g, 23g, 24c
CP004	Clinical Pharmacology	Dr. Öğretim Üyesi Duygu Köse	2		17, 18, 19, 2, 21	4	1, 2, 3, 6, 7, 8, 9	11a, 11g, 23g, 24c

CP005	Rational Antibiotic Use	Prof.Dr. Zekai Halıcı	4		17, 18, 19, 2, 21	4, 10	1, 6, 7, 8, 9	23g, 24c
CP006	Autonomic Nervous System Pharmacology	Prof.Dr. Ahmet Hacımüftüoğlu	4		2, 5	4	1, 6, 7, 8, 9	
CP007	Nausea-Vomiting Treatment (Case-based learning session)	Prof.Dr. Elif Çadırcı	4		3	2	1, 6, 7, 8, 9	
CP008	Treatment of Osteoarthritis (Case-based learning session)	Prof.Dr. Abdülmecit Albayrak	4		4, 12	11	1, 6, 7, 8, 9	
CP009	Diabetes Mellitus Treatment and Complications (Case-based learning session)	Doç.Dr. Erol Akpınar	4		9, 10, 20	5	1, 6, 7, 8, 9	
CP 10	Major depression (Case-based learning session)	Dr. Öğretim Üyesi Ufuk Okkay	4		5, 6, 14, 15, 22, 23, 24, 25	9	1, 4, 5, 6, 7, 8, 9, 10	2a, 2b, 2c, 2d, 2e, 12c
CP011	Acute Tonsillitis Treatment (Case-based learning session)	Dr. Öğretim Üyesi Duygu Köse	4		1, 2, 6, 11	10	1, 6, 7, 8, 9	
CP012	Anemia Treatment (Case-based learning session)	Prof.Dr. Elif Çadırcı	4		2, 6, 32, 33	6	1, 6, 7, 8, 9	
CP013	Peptic Ulcer Treatment (Case-based learning session)	Prof.Dr. Abdülmecit Albayrak	4		3, 7, 15	2	1, 6, 7, 8, 9	
CP014	Sinusitis Treatment (Case-based learning session)	Prof.Dr. Dr. Zekai Halıcı	4		1, 2, 13, 16	10	1, 6, 7, 8, 9	
CP015	Psychosis Treatment (Case-based learning session)	Prof.Dr. Ahmet Hacımüftüoğlu	4		5, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31	1	1, 4, 5, 6, 7, 8, 9, 10	2a, 2b, 2c, 2d, 2e, 12c
CP016	Hypertension Treatment (Case-based learning session)	Doç.Dr. Erol Akpınar	4		2, 6, 8	3	1, 6, 7, 8, 9	
CP17	Feedback meeting after clerkship	Head of Clerkship	2					

6. SESSION IV CLINICAL PHARMACOLOGY CLERKSHIP LEARNING METHODS

LEARNING METHODS OF CLINICAL PHARMACOLOGY CLERKSHIP PROGRAM
Learning Methods Related with Knowledge:
• Classroom lecture / presentation: Lecture, tutorial presentation, interactive lecture / classroom lectures • Interdisciplinary learning activities (meetings, panels, group discussions) • Case / problem-based interactive learning activities carried out with small groups (problem-based learning, case discussion, clinical tutorials, etc.) • Independent learning

• Multidisciplinary laboratory practices • Project / research based learningCommunity based learning activities (observing healt risks in the service provision in primary health care instutions, home, visits, etc)
Learning Methods Related with Medical practices:
• Multidisciplinary laboratory practices • On-the-job learning and assessment • Structured case discussion
Learning Methods Related with Professionalism
• Interdisciplinary learning activities (meetings, panels, forums, group discussions) • Critical situation discussions • Gamification, psychodrama • Written visual text / readings, interpretations

7. SESSION IV CLINICAL PHARMACOLOGY CLERKSHIP "STUDENT TRAINEE REPORT"

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the "Atatürk University Faculty of Medicine Trainee Report" which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV CLINICAL PHARMACOLOGY CLERKSHIP STUDENT TRAINEE REPORT			
Name:……Surname:……. **Student Number:**		**Date::…../……/……**	
I- Basic Medicine Practices	**Learning Level****	**Number of Applications**	**Teaching Staff Approve (Date)**
A. To organize a recipe	**4**	**5**	
B. Rational drug selection	**4**	**5**	
I-Total Basic Medicine Practice score (out of 5 point)			
II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)			
Adaptation to team work			
Compliance with internship rules			
Total Professionalism score (out of 5 point)			
III- Clinical Problem Solving (out of 5) (Given from the performance shown in **Case Based Learning sessions)**			
TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)			
Teaching Staff **Date and Sign**		**Head of Department** **Date and Sign**	

***** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

****Learning Level****

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

8. SESSION IV CLINICAL PHARMACOLOGY CLERKSHIP ASSESSMENT AND EVALUATION METHODS

ASSESSMENT AND EVALUATION METHODS IN CLINICAL PHARMACOLOGY CLERKSHIP
RACTICAL-ORAL EXAMINATION

• **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)
  ➢ **Basic Medicine Practices** (5 %).
  ➢ **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).
  ➢ **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5)
 	
• **Practical Exam:** It is carried out in the form of direct observation and evaluation of the construction of the personal medicine table. Contribution to practice-oral exam at the end of the internship (15%)
• **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %)
• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.
• Students who fail the practical-oral examination, take the make-up exam.
• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice-written) exam.

THEORETICAL EXAM
• It consists of a total of 50 multiple choice and 10 written questions. • Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. • Students who fail the theoretical examination, take the make-up exam.
SUCCESS GRADE
• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.
MAKE-UP EXAM
• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.

SESSION V - PULMONARY DISEASES TRAINEE PROGRAM

Code of Trainee	MED504	**Type of Trainee**	Compulsory
Trainee Duration	Three weeks	**ECTS**	5

YEAR V- PULMONARY DISEASE PRACTICE PRE-CONDITIONS	
1	Having taken pre-clinical courses
2	Having taken the courses in the relevant board(s) in year 3

RESOURCES (COURSE BOOK-AUXILIARY RESOURCES)	
1	Orhan Arseven, Basic Lung Health and Diseases
2	Richard A. Bordow, Manual of Clinical Problems in Pulmonary Medicine
3	

RULES THAT MUST BE FOLLOWED BY THE TRAINEES	
1	Training hours are between 8.00 AM and 5.00 PM in weekdays
2	Students require to attend trainee program and exams in a clean and well-groomed manner, wearing white gowns and badges.
3	The first lecture includes introduction of the program. The instructor in charge of the program informs the students about the purpose of the program, learning objectives, scope (symptoms / findings, core diseases/clinical problems, basic medical practices, attitudes and behaviors), the curriculum, assessment-evaluation methods and the rules to be followed in the program.
4	Trainees must keep the records of knowledge, skills and attitudes of the trainee prepared in accordance with the objectives and qualifications of the trainee program and approve the trainee manager and deliver them to the Department for the purpose of evaluation at the end of the program.
5	Students should attend the main scientific events organized by the Pulmonary Disease Department.
6	**In order to be successful at the end of the program** ; trainee students requires a score at least 60 from each exams (including practice/oral exam and written exam) The necessary conditions for the success of the exam are stated in the “Atatürk University Faculty of Medicine Teaching and Exam Application Principles” .
7	At the end of the program, feedback will be received from all students verbally and written. Verbal feedback is given to the department; but written feedback will be made on following web address " http://anket.atauni.edu.tr ". The link for participation in the survey will be sent to the students by the Dean's Office.

1. SESSION V PULMONARY DISEASES TRAINEE CLERKSHIP- OBJECTIVE OF THE PROGRAM

THE AIM OF PULMONARY DISEASES TRAINEE PROGRAM	
1.	To be able to make a pre-diagnosis / diagnosis by evaluating the anatomy, physiological characteristics of the respiratory system, the symptoms and signs of the diseases that affect them
2.	To be able to define emergencies for chest diseases and make their emergency treatment
3.	To create and apply a treatment plan in clinical situations required within the scope of education level criteria
4.	To be able to provide referral in necessary cases after emergency intervention and treatment
5.	To be able to demonstrate protective and rehabilitative approaches in respiratory system diseases
6.	To gain knowledge, skills and professionalism characteristics determined for the program.

2. SESSION V PULMONARY DISEASES TRAINEE - LEARNING OUTCOMES

Levels of Contribution to Atatürk University Faculty of Medicine Undergraduate Medical Education Program Qualifications

Program Qualifications	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
Contribution levels	4	5	4	3	3	4	3	4	2	3	4	4	3	3	3	3	4	3	1	3
Program Qualifications	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**								
Contribution levelsvbc	3	4	3	3	3	1	4	5	4	4	4	4								

Contribution Level: *1 Very low 2 Low 3 Medium 4 High 5 Very high*

3. SESSION V PULMONARY DISEASES TRAINEE CLERKSHIP LEARNING OBJECTIVES

A. Common presentations: Year V-Pulmonary Diseases Trainee Program in which given the list below symptoms/clinical conditions, forensic/psychosocial conditions, wellness situation and environmental/global competencies related to global conditions are expected to be recovered.

PULMONARY DISEASES TRAINEE PROGRAM *SYMPTOMS/FINDINGS* LIST					
1	Apnea	9.	Hemoptysis *	17.	Edema*
2	Fever*	10.	Wheezing (wheezing) *	18.	Cough / sputum production *
3	Palpitation*	11.	Hypotension*	19.	Syncope *
4	Clubbing	12.	Hypothermia / hyperthermia	20.	Hoarseness *
5	Dyspnea *	13.	Snore	21.	Cyanosis

6	Chest pain *	14.	Immobilization	22.	Tobacco use
7	Chest wall anomalies	15.	Weight loss	23.	Sleep problems *
8	Asthenia / fatigue *	16.	Lymphadenopathy *	24.	(Left/Right) sided chest pain *

B. Gaining Knowledge: During the Year V-Pulmonary Diseases Trainee Program, it is expected to ***have*** knowledge at ***the levels specified in*** the **"Diseases / Clinical Problems "** listed below .

LEARNING LEVELS OF *CLINICAL PROBLEM* DURING THE PULMONARY DISEASES TRAINEE PROGRAM	
LEARNING LEVELS	**CLINICAL PROBLEM**
In clinical problems specified in the adjacent column ; **They should be able to define the emergency (A) and make the emergency treatment, and refer them to a specialist when necessary**	1. Acid-Base Balance Disorders 2. Asthma 3. COPD 4. Pulmonary Embolism 5. Respiratory Failure 6. ARDS
In clinical problems specified in the adjacent column ; **He / she should be able to make the necessary preliminary procedures and refer them to the specialist**	1. Lung tumors 2. Bronchiectasis Abscess 3. Interstitial Lung Diseases 4- Hydatid Disease (Parasitic Lung Diseases) 5. Occupational Lung Diseases 6.Pleural Diseases 7.Pulmonary Hypertension 8.Sleep Apnea Syndrome
In clinical problems specified in the adjacent column ; **He / she should be able to diagnose (T) and have knowledge about treatment, make the necessary preliminary procedures and direct them to the specialist**	
In clinical problems specified in the adjacent column; **It should be able to diagnose and treat (TT)**	1. Pulmonary Tuberculosis

	2. Asthma 3. COPD 4. Pneumonic on
In clinical problems specified in the adjacent column; **Must be able to apply protection measures (K) (which is / are suitable from primary, secondary and tertiary protection)**	1. Lung Tumors 2. Pulmonary Tuberculosis 3. Asthma 4. Bronchiectasis and Abscess 5. COPD 6. Occupational Lung Diseases 7. Pneumonic on 8. Pulmonary Embolism
The problems in the adjacent column should be able to monitor the necessary cases (I)	1. Pulmonary tuberculosis 2. Asthma 3. Bronchiectasis and Abscess 4. COPD 5. Occupational Lung Diseases 6. Pulmonary Embolism

C. Skills: During year V-Pulmonary Diseases Trainee Program, it is expected to acquire the capability to implement on given the list below **"Basic medicine practices" in** the ***designated level.***

LEARNING LEVEL *OF BASIC* MEDICAL PRACTICES DURING THE PULMONARY DISEASES TRAINEE PROGRAM	
LEARNING LEVEL	**BASIC MEDICAL PRACTICES DURING THE PULMONARY DISEASES TRAINEE PROGRAM**
In the skills specified in the adjacent column; Knows how the application is done and explains the results to the patients and / or their relatives **(Learning Level 1)**	1. Bronchoscopy
In the skills specified in the adjacent column ; In an emergency, he / she applies in	1. Pleural puncture (Thoracentesis) 2. To be able to perform respiratory function test

accordance with the guide / instruction **(Learning Level 2)** .	
The skills specified in the adjacent column; **uncomplicated** , common, cases / preliminary assessment of cases / assessment is done, you will create the necessary plans and patients to inform their relatives and makes the application **(Learning Level 3)** .	1. Arterial Blood gas interpretation 2. Taking arterial blood gas 3. To be able to deliver oxygen and nebulizer and inhaler therapy 4. Ability to apply and evaluate pulse oximetry 5. To be able to apply and evaluate the PPD test
The skills specified in the adjacent column; Makes the preliminary assessment / evaluation of the application including **complex situations** / cases, creates the necessary plans, informs the patients and their relatives and makes the application **(Learning Level 4)** .	1. Taking general and problem-oriented stories 2. Respiratory system examination 3. Writing a prescription 4. Preparing a patient file 5. Using and evaluating the peak-flow meter 6. Interpreting chest x-ray

D. In terms of Behavioral and Social Sciences and Humanities: During year V-Pulmonary Diseases Trainee Program, on given the list below covering **"Behavioral and Social Sciences and Humanities", h**aving sensibility, knowledge and skills is expected.

Pulmonary Diseases Trainee Program Behavioral, Social and Human Sciences Situations List	
2. Addiction	b . Tobacco
3. Scientific research methods and ethics	b . Evidence-based medicine practices
4. Work and health interaction	a . Occupational diseases
5. Environment and health interaction	d . Environmental diseases e . Exposure to harmful environmental factors (air pollution, chemicals, etc.) k . Fight against communicable diseases in the community
8.Difficulties in physician-patient interaction	a . Non-compliance / rejection of preventive and therapeutic practices (e.g. vaccine instability) b . The extremely demanding patient c . Manipulative patient d . Resistant patient

	e . Malingering (using healthcare by pretending to be a patient to gain benefit) g. Somatization / somatic symptoms triggered by psycho- social factors i . Challenges with intercultural communication
9. Physician's well-being	d . Sense of belonging e . Durability f . Physical and mental health
10. Legal and ethical situations	a . Professional duties and obligations e . Informed consent and specific cases b . Patient rights and responsibilities c . Physician rights and responsibilities

E . In terms of Professionalism : During year V-Pulmonary Diseases Trainee Program, acquisition of the list given below is expected.

***THE* ATTITUDES TO BE ACHIEVED IN TERMS OF *PROFESSIONALITY* DURING *THE* PULMONARY DISEASES TRAINEE PROGRAM**
1. Holistic approach to health (bio - psycho - social and cultural approach), patient - centered approach , community oriented medicine .
2. Rights based health approach.
3. Communication skills, communication in difficult situations, interpersonal relationships and teamwork.
4. Medicine and history of thought / values, physician identity and consciousness, medical roles and limits.
5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.
6. Patient rights, physician responsivility, patient - physician relationship.
7. Professional / ethical problems and dilemmas in health processes.
8. Legal problems in health processes.
9. Research and publication ethics.
10. Determinants of health, health inequality, gender and health.
11. Health systems, health policies.
12. Health economics and management.
13. Reflective thinking and practice, continuous personal and professional development, education and consultancy.
14. A culture of working in coordination with healthcare professionals, other members of the team and disciplines.
15. To be able to share knowledge and professional experience with other members of the team ,

4. SESSION V PULMONARY DISEASES TRAINEE - WEEKLY COURSE PROGRAM

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	1. Week		
Monday	Informing about internship and Ethical and Professional Values in Clinical Practice	09:00-10:00	Prof.Dr. Ömer ARAZ
	Normal Lung Radiography	13:30-15:30	
	Case-Based Learning (CBL) Session 1	15.30-16.30	
Tuesday	Visit	09:00-10:00	Doç.Dr. Alperen AKSAKAL
	Pulmonary Function Test	10:00-12:00	Prof.Dr. Ömer ARAZ
	Pathological Lung Graphs	13:30-14:30	Prof.Dr. Leyla SAĞLAM
	Arterial Blood Gas	14:30-16:30	
Wednesday	VISIT	09:00-10:00	
	sleep-disordered breathing	10:00-12:00	Prof.Dr.Ömer ARAZ
	Seminar	12.30-13.30	
	COPD	13:30-16:30	Doç.Dr. Alperen AKSAKAL
Thursday	Vısıt	09:00-10:00	
	Tuberculosis-I	10:00-12:00	Prof.Dr.Ömer ARAZ
	Occupational Lung Diseases	13:30-16:30	Doç.Dr. Alperen AKSAKAL
Friday	Visit	09:00-10:00	
	Tuberculosis- II	10.00-11.00	Prof.Dr.Ömer ARAZ
	thoracic council	12.30-13.30	
	Pleural Diseases	13:30-16:30	Prof.Dr. Ömer ARAZ
Monday	**2. Week**		
	Visit	09:00-10:00	

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	Community Acquired Pnomonia Chest Diseases Emergencies Case-Based Learning (CBL) Session 2	10:00-12:00 13:30-15:30 15:30-16:30	Prof.Dr.Elif YILMAZEL UÇAR Prof.Dr.Elif Y.UÇAR
Tuesday	Visit Pulmonary Hypertension Lung Tumors	09:00-10:00 10:00-12:00 13:30-16:30	 Prof. Dr.Elif Y.UÇAR Prof.Dr.Leyla SAĞLAM
Wednesday	VISIT Parasitic Lung Diseases Seminar Pulmonary Thromboembolism	09:00-10:00 10:00-12:00 12.30-13.30 13:30-17:00	 Prof.Dr.Mehmet MERAL Prof.Dr.Elif Y.UÇAR
Thursday	Vısıt ARDS Practice	09:00-10:00 10:00-12:00 13:30-16:30	 Asst.Prof.Alperen AKSAKAL
Friday	Visit Lung Abscess and Bronchiectasis thoracic council Asthma	09:00-10:00 10:00-12:00 12.30-13.30 13:30-16:30	 Prof.Dr. Mehmet MERAL Prof.Dr. Elif Y. UÇAR
	3. Week		
Monday	Visit Case-Based Learning (CBL) Session 1 Occupational Lung Diseases	09:00-10:00 10:00-12:00 13.30-16:30	Doç.Dr. Alperen AKSAKAL
Tuesday	Visit mediastinal diseases Diffuse Parenchymal Lung Diseases and Sarcoidosis	09:00-10:00 10:00-12:00 13:30-16:30	 Prof.Dr.Mehmet MERAL Prof.Dr.Metin AKGÜN
Wednesday	Visit Acute Respiratory Failure Seminar Smoking and Lung	09:00-10:00 10:00-12:00 12.30-13.30 13:30-16:30	 Prof.Dr. Mehmet MERAL Prof.Dr. Leyla SAĞLAM
Thursday	Practical exam		
Friday	Oral and written exam		

5. SESSION V PULMONARY DISEASES TRAINEE CLERKSHIP MATCHING COURSES WITH LEARNING OBJECTIVES

PULMONARY DISEASES TRAINEE PROGRAM LEARNING OBJECTIVES PAIRING							
Lesson code	The subject of the lecture	Faculty	Theoretical Hours	Practical Hours	Core Diseases / Clinical problem	Clinical Symptom / Finding / Condition	Basic Medical Practices
GH 1	Lung Tumors	Prof. Dr. Leyla SAĞLAM	2		PreD, C	33, 44, 48, 52, 83, 92, 105, 122, 132, 7	A1, B21, C7, D4
GH 2	Arterial Blood Gas Assessment (Acid-Base Balance Disorders)	Prof. Dr. Leyla SAĞLAM	2		E	25, 33, 48, 57, 102, 123, 34	A1, B21, C7, D10, E6
GH 3	Tobacco Use and Lung	Prof. Dr. Leyla SAĞLAM	2		C	25, 33, 48, 60, 83, 105, 122, 132, 7, 155, 200	A1, B21, C7, C9, D4
GH 4	Bronchiectasis and Lung Abscess	Prof. Dr. Mehmet MERAL	2	-	Pre-D, C, F	11, 27, 33, 48, 52, 54, 83, 105.123	A1, B21, C5, C7, C9, D4, D10, D18, E6, E21, E40, E50, E57, E61

GH 5	Hydatid Cyst and Parasitic Lung Diseases	Prof.Dr. Mehmet MERAL	1	-	Pre-D, C	33, 44, 48, 83, 105, 123	A1, B21, C5, C7, C9, D4, D18, E21, E55
GH 6	Respiratory Failure	Prof. Dr. Mehmet MERAL	1	-	E	9, 25, 33, 54, 57, 121, 123	A1, B21, C5, C7, D4, E6, E35, E36,E40, E50, E57
GH 7	Pulmonary Embolism	Prof. Dr. Elif Y. UÇAR	1	-	E, C, F	33, 44, 52, 121, 57	A1, B9, B21, C7, C9, E50, E57
GH 8	Pulmonary Hypertension	Prof. Dr. Elif Y.UÇAR	3	-	Pre-D	33, 44, 48	A1, B13, B21, C7, D4, D5, E6, E57
GH 8	Asthma	Prof. Dr. Elif Y.UÇAR	3	-	D&T, E , C, F	33, 54, 105	A1, B21, C7, C9, D4, D12, D6, E50, E57, E61
GH 9	Chest Diseases Emergencies / Poisoning / Foreign body aspiration	Prof. Dr. Elif Y.UÇAR	3	-	E , C	44.33 , 15, 33, 123, 33, 123	A1, B21, C7, D4, E32, E50, E57, A1, B21, C7, C9, D4, E6, E22, E50, E57, A1, B21, C7, C9, D4, E6, E12, E50, E57
GH 12	Interstitial Lung Diseases		1	-	Pre-D, C	27, 33, 105, 123	A1, B21, C7, D4, E6, E61
GH 13	COPD		3	-	D&T, C, F	30, 33, 48, 54, 105, 123, 132	A1, B21, C7, C9, CD4, D46, E50, E57, E61
GH 14	Occupational Lung Diseases		3	-	PRE-D, C, F	33.105	A1, B21, C11, D4, E61, F9
GH 15	PFTS		2	1	Level 3	33.105	E61, F9
GH 16	Pleural Diseases	Prof. Dr. Ömer ARAZ	2		Pre-Diagnosis	33, 44, 105, 139	A1, B21, C7, D4, E55, E56
GH 17	Sleep Apnea Syndrome	Prof. Dr. Ömer ARAZ	3		Pre-Diagnosis	9, 48, 60, 133	A1 B21
GH 18	Chest X-ray Evaluation	Prof. Dr. Ömer ARAZ	3	1	Level 3	11, 27, 33, 44, 45, 52, 83, 92, 102, 105, 121, 122, 139	A1, D4
GH 19	Pneumonias		2	-		11, 25, 44, 33, 54, 48, 105	A4, B21, C5, C7, C9, D2, D4, D10, D18 E6, E29, E50, E57
GH 20	ARDS		2	-		33, 44, 54, 105, 123	A4, B21, D4, E6, E36, E40, E50, E57
GH 20	Pulmonary Tuberculosis		3	-	D&T, C, F	11, 48, 52, 83, 92	A1, C7, C11, D2, D4, D10, D18, E29, E56

6. SESSION V PULMONARY DISEASES TRAINEE CLERKSHIP LEARNING

YEAR V - PULMONARY DISEASES TRAINEE PROGRAM LEARNING METHODS
Information for training :
• Structured learning activities carried out in clinical skills laboratories and simulated patient centers • Multidisciplinary laboratory practices • Bedside trainings, visits , structured focused patient visit ; service and polyclinic experiences • Community-based learning activities (Observing health risks in the workplace and schools, evaluating the services provided, service delivery in primary health care institutions, home visits, etc.) • In charge learning and assessment • Structured case discussion

Training for medical practice
• Class lecture / presentation: Lecture, instructor presentation, interactive lecture / classroom lectures • Interdisciplinary learning events (meetings, panels, group discussions) • Case / problem-based interactive learning activities carried out with small groups (problem-based learning, case discussion, clinical tutorials, etc.) • Independent learning • Multidisciplinary laboratory applications, anatomy laboratory applications • Project / research based learning
Professionalism for education
• Interdisciplinary learning events (meetings, panels, forums, group discussions) • Critical case discussions • Reflection sessions • Gamification, psychodrama • Written visual text / work readings, interpretations • Student development file (portfolio) application • In charge learning and assessment (MiniPET)

7. SESSION V PULMONARY DISEASES TRAINEE CLERKSHIP "STUDENT TRAINEE REPORT"

"Atatürk University Faculty of Medicine Trainee Competence Report" is filled in accordance with the educational goals and levels. Trainee students are expected their report filled and approved when they do their practice and deliver it on the last day to the responsible Faculty.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE YEAR V - PULMONARY DISEASES TRAINEE PROGRAM COMPETENCE REPORT			
NAME AND SURNAME: **Number:** **Date :**			
I- Basic Medical Practices	**Learning Level i ****	**Number**	**Internship Supervisor Approval (Date)**
Patient File number:			
A. Obtaining History			
Ability to take general and problem- oriented stories	**4**	**3**	
B. General and Problem- Oriented Physical Examination			
Respiratory system examination	**4**	3	
C. Record Keeping, Reporting and Notification			
Write a prescription	**4**	10	
Preparing a patient file	**4**	3	
D. Laboratory Tests and Other Related Operations			
Using and evaluating the peak-flow meter	**4**	3	
Interpreting lung film	**4**	3	
Interpreting arterial blood gas	**3**	3	
E. Interventional and Non- Interventional Practices			
Bronchoscopy	**1**	3	
Pleural puncture / thoracentesis ability	**2**	1	
To be able to perform respiratory function test	**2**	3	
Taking arterial blood gas	**3**	1	
To be able to apply oxygen and nebulizer& inhaler therapy	**3**	3	
Ability to apply and evaluate pulse oximetry	**3**	10	
To be able to apply and evaluate the PPD test	**3**	2	
II- Clinical Problem Solving (case-based and sessions-Performance			
Total Basic Medicine Practices score (out of 10 points)			
III Impression of trainee- Medicine related professionalism (Evaluated by all the Faculties)			
Compliance with the program rules			
Compliance to teamwork			
Total Professionalism score (out of 10 points)			
TRAINEE TOTAL SCORE (out of 20 points)			
Responsible Faculty Date and Signature	Head of the Department Date and Signature		

*** TTA:** Teaching Staff at accompaniment

** Learning Levels

Learning Level	Explanation
1	Knows how the application is done and explains the results to patients and / or their relatives .
1	In an emergency, he / she applies in accordance with the guide / instruction .
3	The complex not frequently seen , cases / cases it makes application *.
4	Makes the application * including complex situations / facts .
***** Makes the pre- evaluation / evaluation , creates and implements the necessary plans and informs the patients and their relatives / society about the process and its results .	

8. SESSION V PULMONARY DISEASES TRAINEE CLERKSHIP ASSESSMENT AND EVALUATION METHODS

PULMONARY DISEASES TRAINEE PROGRAM MEASUREMENT AND EVALUATION METHODS
PRACTICAL-ORAL EXAM AT THE END OF THE INTERNSHIP
• **Trainee report card :** Total contribution to practical-oral exam at the end of the internship (15 %) ➢ **·Basic Medical Practices** (5%) ➢ **·Features of Professionalism Suitable for Medicine : It** is evaluated by faculty members . In the assessment, trainee physicians Internship rules and to work in team harmony u and full attendance of the eye are taken into. Contribution to practical-oral exam at the end of the internship (5 %) ➢ **·Clinical Problem Solving: It** is given according to the performance shown in case -based learning sessions. (5%) • **Practice Exams :** Practice directed / entrepreneurial skills direct observation and evaluation form is done. Contribution to practical-oral exam at the end of the internship (15 %) • **The refreshingly frank¨ internship exam I :** Structured oral exam (structured questions and evaluating clinical information based on patients evaluating the clinical decision-making questions) form is done. Contribution to practical-oral exam at the end of the internship (70 %) • Trainee report of the assessment taken practical-oral exam 100 points out of the total grade Students who score below 60, considered to have failed • Students who fail the practical-oral exam take the make-up exam of the internship . • Students who fail the practical-oral exam cannot take the theoretical (written-multiple choice) exam.
THEORETICAL EXAM AT THE END OF THE TRAINEE PROGRAM
• It consists of 20 or 25 multiple choice questions in total . Up to five classic questions can be asked. • Clinical information assessing multiple -choice questions and clinical decision making in assessing patients ayala of multiple -choice questions as done . • Students who score less than 60 out of 100 points in the theoretical (written-multiple choice) exam are considered unsuccessful. • Students who fail the theoretical (written-multiple choice) exam take the make-up exam of the internship.
CALCULATION OF THE TRAINEE SUCCESS
• Internship success grade is calculated by taking the average of the scores from the Practical-Oral and Theoretical (written - multiple choice) exam.
MAKE-UP EXAM
• If a student who fails or fails the practical-oral or theoretical (written-multiple-choice) exam does not take the make-up exams at the end of the trainee program or fails the exam, he / she is deemed unsuccessful in that internship and repeats that program.

SESSION V CARDIOLOGY CLERKSHIP GUIDE

Code	MED507
Period	4 weeks

Type	Compulsory
ECTS	5

CARDIOLOGY CLERKSHIP- Prerequisite Courses	
1	Taken the pre-clinical courses
2	Taken courses in the relevant committee (s) in session 3

REFERENCES (RESOURCE BOOK - OTHERS)	
1.	Manuel of Cardiovascular Medicine. Brian P. Griffin (Editor); Lippincott Williams & Wilkins.
2.	UpToDate (http://www.uptodate.com).
3.	Lecturer's Notes.

CARDIOLOGY CLERKSHIP- RULES FOR STUDENTS	
1	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
2	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
3	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
4	Students are obliged to keep the **"Ataturk University Faculty of Medicine Trainee Report"** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
5	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
6	**In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in "Atatürk University Faculty of Medicine Teaching and Exam Application Principles".
7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at "http://anket.atauni.edu.tr". The participation link to the survey will be sent to the students by the dean's management.

1. SESSION V CARDIOLOGY CLERKSHIP - OBJECTIVE OF THE PROGRAM

OBJECTIVE OF THE CARDIOLOGY CLERKSHIP PROGRAM	
All students who are trained in cardiology internship can have all of the following qualifications;	
1.	Taking medical history and suitable physical examination for the diagnosis of heart diseases,
2.	Diagnosing heart diseases using electrocardiogram, chest x-ray and biochemical tests and applying suitable intervention and treatments,
3.	Diagnosing coronary artery disease, or transfer to top institutions of patients with cardiovascular risk factors for advanced examination and treatment
4.	Diagnosing acute coronary syndrome and management of this condition,
5.	Recognizing acute pulmonary edema which is one of the cardiac emergencies and fulfilling the basic elements in emergency treatment,
6.	Fulfilling basic elements about common cardiac arryhtmias, especially life-threatening arrhytmias,
7.	Basic electrocardiogram interpretation,
8.	Diagnosing heart failure, diferrantial diagnosis of dispneae and treatment of these conditions,
9.	Having adequate information about pathophysiology, symptoms and physical examination of valvular heart diseases; recommending advanced examination and treatment to patients with suspected valve disease,
10.	Having basic information about patients with hypertension, treatment of patients with hypertension, choosing appropriate drugs for treatment and having adequate information about possible complications,
11.	Adequate information about management of cardiopulmonary arrest and cardiopulmonary resuscitation,
12.	Aproach to congenital heart diseases (i.e. symptoms, physical examination, diagnostic tests),
13.	Making diferantial diagnosis of heart diseases like infective endocarditis and pericarditis and having adequate information about treatment and prevention of these diseases,
14.	Choosing appropriate drugs that using in treatment of basic heart diseases and having information about side effect and contindications of these drugs,
15.	Prescribing for basic heart diseases,
16.	Drawing electrocardiography, interpreting electrocardiogram and using defibrillator.

2. SESSION V CARDIOLOGY CLERKSHIP - LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

Program Qualifications	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
Contribution levels	2	1	5	5		5	4	2	1	5	3	2	1	4	2	1	3	1	3	3
Program Qualifications	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**								
Contribution levels	3	4	3	2	5	4	5	5	4	4	5	5								

Contribution levels: *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

3. SESSION V CARDIOLOGY CLERKSHIP - LEARNING OBJECTIVES

A. Frequent reasons for application: Competence is expected in terms of Clinical Symptoms / Signs / Status during the session V Cardiology clerkship period

CARDIOLOGY CLERKSHIP- ***LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS***					
1	Fever	10	Chest Pain	19	Cladication intermittant
2	Dizziness	11	Weakness	20	Edema
3	Headache	12	Hemoptysis	21	Cough
4	Consciousness changes	13	Hepatomegaly	22	Syncope
5	Epistaxis	14	Hypertension	23	Cyanosis
6	Palpitation	15	Hypotension	24	Prevention of chronic diseases
7	Clubbing	16	Murmur in the heart	25	Healthy diet and lifestyle changes
8	Dyspnoea	17	Abdominal bloating	26	Problems with tobacco, drug and alcohol use
9	Joint Pain / Swelling	18	Weight loss		

B. In terms of knowledge: It is expected to have knowledge at the levels determined in the **"Diseases / Clinical Problems"** listed below during the Cardiology clerkship period.

CARDIOLOGY CLERKSHIP- ***CLINICAL PROBLEM LEARNING LEVELS***	
LEARNING LEVELS	**CLINICAL PROBLEM**
In the clinical problems mentioned in the column next to; **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary**	1. Pulmonary edema 2. Acute coronary syndromes 4. Aortic dissection 7. Essential hypertension 8. Drug side effects 10. Heart rhythm disorders 11. Heart failure 12. Cardio-pulmonary arrest 18. Peripheral artery disease 19. Pericardial diseases 20. Pulmonary embolism 23. Disorders of fluid and electrolyte balance 24. Shock 26. Poisoning
In the clinical problems mentioned in the column next to; **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert**	6. Endocarditis 9. Valvular heart disease 13. Congenital heart diseases 14. Chronic Coronary Artery disease 16. Myocarditis / cardiomyopathy 18. Peripheral artery disease 19. Pericardial diseases 21. Pulmonary hypertension 22. Secondary hypertension

	25. Vasovagal syncope
In the clinical problems mentioned in the column next to; **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures**	2. Acute coronary syndromes 3. Acute rheumatic fever 8. Drug side effects 10. Heart rhythm disorders 11. Heart failure 15. Metabolic syndrome 17. Obesity 20. Pulmonary embolism 23. Disorders of fluid and electrolyte balance
In the clinical problems mentioned in the column next to; **Be able to Diagnose and Treat (DT)**	5. Dyslipidemia 7. Essential hypertension
In the clinical problems mentioned in the column next to; **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)**	2. Acute coronary syndromes 3. Acute rheumatic fever 5. Dyslipidemia 6. Endocarditis 7. Essential hypertension 8. Drug side effects 9. Valvular heart disease 11. Heart failure 14. Chronic Coronary Artery disease 15. Metabolic syndrome 17. Obesity 20. Pulmonary embolism 23. Disorders of fluid and electrolyte balance 25. Vasovagal syncope 26. Poisoning
In the clinical problems mentioned in the column next to; **be able to follow up (F) in necessary cases**	5. Dyslipidemia 7. Essential hypertension 8. Drug side effects 10. Heart rhythm disorders 11. Heart failure 14. Chronic Coronary Artery disease 15. Metabolic syndrome 17. Obesity 20. Pulmonary embolism

C. In terms of skill: It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Cardiology clerkship period.

CARDIOLOGY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	**BASIC MEDICINE APPLICATIONS**
Skills specified in the adjacent column; **Knows** how to practice and **explains** the results to patients and / or relatives **(LEARNING LEVEL 1)**	1. Performing pericardiocentesis 2. Acoompanying echocardiography application 3. Acoompanying exercise stress test 4. Participating in diagnostic and interventional procedures in the cardiac catheterization laboratory
Skills specified in the adjacent column; **In an emergency**, performs the application in accordance **with the guide / instruction** **(LEARNING LEVEL 2)**	----------
Skills specified in the adjacent column; performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application** **(LEARNING LEVEL 3)**	5. Evaluating mental state 6. To be able to evaluate chest x-ray 7. Taking electrocardiography and evaluating electrocardiogram 8. Airway plugging 9. Be able to intubate 10. Advanced life support 11. Preparing medicine properly 12. Identify people at risk 13. Accesing current information and reading it critically 14. Applying principles of evidence-based medicine while making clinical decision
Skills specified in the adjacent column; Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application** **(LEARNING LEVEL 4)**	15. To be able to take general and problematic medical history 16. Evaluating consciousness 17. Evaluating general state and vital findings 18. Examination of cardiovascular system 19. Examination of respiratory system 20. Information and getting consent 21. Preparing epicrisis 22. Preparing patient file 23. Prescribing 24. Preparing treatment refusal document 25. Providing decontamination, disinfection, sterilization and antisepsis 26. Creating a laboratory request form 27. Taking and transferring laboratory samples properly 28. Fullfiling rational drug use principles 29. Requesting proper laboratory and imaging methods 30. Using baloon mask (bag) 31. Be able to apply defibrillation 32. Washing hands

	33. Transferring patients properly 34. Measuring blood pressure 35. To be able to apply oxygen and nebul-inhaler therapy 36. Applying pulse oximeter and evaluating results 37. Applying basic life support 38. Exercise and physical activity 39. Healthy nutrition

D. In terms of Behavioral, Social and Humanities: It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the Cardiology clerkship period

CARDIOLOGY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	2.Abuse 1. Alcohol 2. Tobacco 3. Drugs
	5. Environment and health interaction 4. Healthy nutrition and food strategies
	14. Chronic/non-communicable diseases 5. Monitoring and prevention of risk factors 6. Management 7. Multimorbidity
	25. Health conditions 8. Nutrition 9. Physical, mental activity and exercise 10. Sedentary life
	29. Technology and health interaction 11. Artificial intelligence 12. Current diagnostic and treatment tools 13. Technological communication tools and channels 14. Management of media and excessive information 15. Use of advanced technology and ethical issues

E. In terms of Professionalism: Attitudes listed below are expected to be gained during the period of Cardiology clerkship

ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE CARDIOLOGY CLERKSHIP
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine. 2. Rights-based health approach 3. Communication skills, communication in difficult situations, interpersonal relations and teamwork

4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.

5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.

6. Patient rights, physician responsibility, patient-physician relationship.

7. Problems and dilemmas for professionalism / ethics in health processes.

8. Legal problems in health processes.

9. Research and publication ethics.

10. Determinants of health, inequality in health, social gender and health.

11. Health systems, health policies.

12. Health economics and management.

13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.

14. Work culture in coordination with other members of the team and disciplines

15. Being able to share their knowledge and professional experience with other members of the team,

4. SESSION V CARDIOLOGY CLERKSHIP - WEEKLY COURSE PROGRAM

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	1. Week		
Monday	Information about the clerkship- Ethical and professional values in clinical practice	08:00-09:20	Dr. O. Birdal
	Symptoms and signs in heart diseases-Cardiac anamnesis-1	10:00-10:50	Dr. H. Şenocak
	Symptoms and signs in heart diseases-Cardiac anamnesis-2	11:00-11:50	Dr. H. Şenocak
	Basic ECG principles-1	13:30-14:20	Dr. G. Ceyhun
	Basic ECG principles-2	14:30-15:20	Dr. G. Ceyhun
	Free Practical Education	15:20-17:00	
Tuesday	Practical education	08:00-09:20	Lecturer
	Stable Coronary Heart Disease-Patogenesis and Diagnosis	10:00-10:50	Dr. Ş. Karakelleoğlu
	Stable Coronary Heart Disease-Treatment	11:00-11:50	Dr. Ş. Karakelleoğlu
	Cardiac anatomy and physiology	13:30-14:20	Dr. O. Birdal
	Free Practical Education	14:20-17:00	
Wednesday	Practical education	08:00-09:20	Lecturer
	STEMI-Patogenesis and diagnosis	10:00-10:50	Dr. H. Şenocak
	STEMI-Treatment	11:00-11:50	Dr. H. Şenocak
	Arterial hypertension- Diagnosis and treatment-1	13:30-14:20	Dr. O. Gülcü
	Arterial hypertension- Diagnosis and treatment-2	14:30-15:20	Dr. O. Gülcü
	Free Practical Education	15:20-17:00	
Thursday	Practical education	08:00-09:20	Lecturer
	Chronic heart failure-1	10:00-10:50	Dr. Ş. Karakelleoğlu
	Chronic heart failure-2	11:00-11:50	Dr. Ş. Karakelleoğlu
	Bradycardias-AV blocks-Branch blocks	13:30-14:20	Dr. S. Ş. Aydın
	Free Practical Education	14:20-17:00	
Friday	Practical education	08:00-09:20	Lecturer
	Cardiovascular physıcal examınatıon	10:00-10:50	Dr. İ. Saraç
	Cardiac Syncope	11:00-11:50	Dr. İ. Saraç
	Case-Based Learning (CBL) Session 1	13:30-14:20	Lecturer
	Case-Based Learning (CBL) Session 1	14:30-15:20	Lecturer

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	Free Practical Education	15:20-17:00	
	2. Week		
Monday	Practical education	08:00-09:20	Lecturer
	Aortic valve diseases-1	10:00-10:50	Dr. Y. Koza
	Aortic valve diseases-2	11:00-11:50	Dr. Y. Koza
	Supraventricular arrhythmias-1	13:30-14:20	Dr. G. Ceyhun
	Supraventricular arrhythmias-2	14:30-15:20	Dr. G. Ceyhun
	Free Practical Education	15:20-17:00	
Tuesday	Practical education	08:00-09:20	Lecturer
	Unstable angina pectoris and NSTEMI	10:00-10:50	Dr. H. Şenocak
	Bedside education- Cardiac risk assessment	11:00-11:50	Lecturer
	Infective endocarditis	13:30-14:20	Dr. S. Ş. Aydın
	Free Practical Education	14:20-17:00	
Wednesday	Practical education	08:00-09:20	Lecturer
	Acute heart failure- Cardiogenic shock	10:00-10:50	Dr. İ. Saraç
	Case-Based Learning (CBL) Session 2	13:30-14:20	Lecturer
	Case-Based Learning (CBL) Session 2	14:30-15:20	Lecturer
	Free Practical Education	15:20-17:00	
Thursday	Practical education	08:00-09:20	Lecturer
	Pericardial diseases	10:00-10:50	Dr. Ş. Karakelleoğlu
	Bedside education-Assesment of the patient with heart failure	11:00-11:50	Lecturer
	Dyslipidemias	13:30-14:20	Dr. O. Birdal
	Pulmonary hypertensio	14:30-15:20	Dr. O. Birdal
	Free Practical Education	15:20-17:00	
Friday	Practical education	08:00-09:20	Lecturer
	Pulmonary embolism	10:00-10:50	Dr. Y. Koza
	Myocardial diseases	11:00-11:50	Dr. M. H. Taş
	Mitral valve diseases-1	13:30-14:20	Dr. M. H. Taş
	Mitral valve diseases-2	14:30-15:20	Dr. M. H. Taş
	Free Practical Education	15:20-17:00	
	3. Week		
Monday	Practical education	08:00-09:20	Lecturer
	Congenital heart diseases	10:00-10:50	Dr. O. Gülcü
	Coronary angiography-1	13:30-14:20	Lecturer
	Coronary angiography-2	14:30-15:20	Lecturer
	Free Practical Education	15:20-17:00	
Tuesday	Practical education	08:00-09:20	Lecturer
	Acute rheumatic fever	10:00-10:50	Dr. S. Ş. Aydın
	Bedside education- Defibrillator education	11:00-11:50	Lecturer
	Ventricular arrhythmias	13:30-14:20	Dr. O. Birdal
	Free Practical Education	14:20-17:00	
Wednesday	Practical education	08:00-09:20	Lecturer
	Case-Based Learning (CBL) Session 3	10:00-10:50	Lecturer
	Case-Based Learning (CBL) Session 3	11:00-11:50	Lecturer
	Atrial fibrillation-Diagnosis and treatment	13:30-14:20	Dr. İ. Saraç
	Free Practical Education	14:20-17:00	
Thursday	Practical education	08:00-09:20	Lecturer
	Practical education	09:30-10:20	Lecturer
	Practical education	10:30-12:00	Lecturer
	Practical education	13:30-14:20	Lecturer
	Practical education	14:30-15:20	Lecturer
	Practical education	15:20-17:00	Lecturer
Friday	*Oral Examination*	08:00-09:20	
		09:30-10:20	
		10:30-12:00	
	Theoretical Exam	13:30-14:20	
		14:30-15:20	
		15:20-17:00	

5. SESSION V CARDIOLOGY CLERKSHIP - MATCHING COURSES WITH LEARNING OBJECTIVES

MATCHING CARDIOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES								
Code	**Lesson Topic**	**Teaching**	**Code**	**Lesson Topic**	**Teaching**	**Code**	**Lesson Topic**	**Teaching**
KARD001	Mitral valve diseases	DR. M. HAKAN TAŞ	2		6,8,10,12,16	2,6,9	6,7,12,18	12
KARD002	Myocardial diseases	DR. M. HAKAN TAŞ	1		1,8,10,14	16	18,29	
KARD003	Symptoms and signs in heart diseases-Cardiac anamnesis	DR. HÜSEYİN ŞENOCAK	2		1,2,6,8,9,10,11,12,17,19,20,21,22	2,4,9,10,11,13,19,20,22	15	
KARD004	STEMI	DR. HÜSEYİN ŞENOCAK	2		4,8,10,15,16,22	1,2,10,11,12,24	7,8,9,10,11,15,16,17,18,19,20,22,23,24,28,30,31,33,34,35,36,37,38,39	2,3,5,6,7,8,9,10,12,13
KARD005	Unstable angina pectoris ve NSTEMI	DR. HÜSEYİN ŞENOCAK	1		4,8,10,15,16,22	1,2,10,11,12,24	7,8,9,10,11,15,16,17,18,19,20,22,23,24,28,30,31,33,34,35,36,37,38,39	2,3,5,6,7,8,9,10,12,13
KARD006	Stable coronary artery disease	DR. ŞULE KARAKELLEOĞLU	2		8,10,16	5,14	7,12,15,18,19,23,28,29,38,39	1,2,3,4,5,6,7,8,9,10,12
KARD007	Chronic heart failure	DR. ŞULE KARAKELLEOĞLU	2		2,4,8,10,11,13,15,16,17,18,20,22	1,2,8,11,23,24	6,7,12,15,17,18,19,28,38,39	4,5,6,7,8,9,10,12
KARD008	Pericardial diseases	DR. ŞULE KARAKELLEOĞLU	1		1,10	19,24	1,7,17,18,19	12
KARD009	Aortic valve diseases	DR. YAVUZER KOZA	2		2,8,10,11,16,22	9,11	6,7,18	12
KARD010	Pulmonary embolism	DR. YAVUZER KOZA	1		4,8,10,15,22	20,24	5,6,7,10,11,12,16,17,18,19,20,22,29,36,37	12
KARD011	Basic ECG principles	DR. GÖKHAN CEYHUN	2				7	12
KARD012	Supraventricular arrhythmias	DR. GÖKHAN CEYHUN	2		4,6,10,15	10,24	5,7,11,16,17,18,31	12,13
KARD013	Cardiac anatomy and physiology	DR. OĞUZHAN BİRDAL	1					
KARD014	Dyslipidemias	DR. OĞUZHAN BİRDAL	1			14,15,17	12,13,14,28,38,39	1,2,4,5,6,7,8,9,10,14
KARD015	Ventricular arrhythmias	DR. OĞUZHAN BİRDAL	1		2,4,6,8,10,15,22	2,10,11,12,24	5,7,10,11,16,17,18,19,31,33,34,37	12,13

KARD016	Pulmonary hypertension	DR. OĞUZHAN BİRDAL	1		7,8,13,20	11,21	6,7,15,17,18,19	5,6,7,12
KARD017	Cardiovascular physıcal examınatıon	DR. İBRAHİM SARAÇ	1		7,13,14,15,16,20,23	1,2,3,4,5,6,7,9,10,11,12,13,15,17,18,19,20,22,23,24,25,26	5,16,17,18,19,34,36	15
KARD018	Cardiac Syncope	DR. İBRAHİM SARAÇ	1		7,13,14,15,16,20,23	1,2,3,4,5,6,7,9,10,11,12,13,15,17,18,19,20,22,23,24,25,26	5,16,17,18,19,34,36	15
KARD019	Acute heart failure-Cardiogenic shock	DR. İBRAHİM SARAÇ	1		4,8,10,14,15,20	1,2,10,11,24	5,6,7,8,9,10,11,16,17,18,19,30,31,34,35,36,37	12
KARD020	Atrial fibrillation-Diagnosis and treatment	DR. İBRAHİM SARAÇ	1		4,6,10,15	10,24	5,7,11,16,17,18,31	12,13
KARD021	Bradycardias-AV blocks-Branch blocks	DR. SİDAR ŞİYAR AYDIN	1		2,4,10,11,15,22	2,8,10,11,12,23,24,26,	5,7,10,11,15,16,17,18,33,34,38	3,12,13
KARD022	Acute rheumatic fever	DR. SİDAR ŞİYAR AYDIN	1		1,8,9,16	3,11	12,15,17,18	5
KARD023	Infective endocarditis	DR. SİDAR ŞİYAR AYDIN	1		1,16	6,9,11	12,17,18,27,28	5
KARD024	Arterial hypertension-Diagnosis and treatment	DR. OKTAY GÜLCÜ	2		2,3,5,6,8,10,14	7	6,7,12,13,14,17,18,28,34,38,39	4,5,6,7
KARD025	Congenital heart diseases	DR. OKTAY GÜLCÜ	1		7,8,16,23	11,13	6,7,15,18,19	12
KARD026	Acutr heart failure-cardiogenic shock	DR. SERDAR SEVİMLİ	1		7,8,16,23	11,13	6,7,15,18,19	12
KARD027	Supraventriculararrhythmia	DR. SERDAR SEVİMLİ	2		2,3,5,6,8,10,14	7	6,7,12,13,14,17,18,28,34,38,39	4,5,6,7

6. SESSION V CARDIOLOGY CLERKSHIP - LEARNING METHODS

LEARNING METHODS OF CARDIOLOGY CLERKSHIP PROGRAM
Learning Methods Related with Knowledge:
• Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences • On-the-job learning and assessment • Structured case discussion
Learning Methods Related with Medical practices:
• Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures • Interdisciplinary learning activities (meetings, panels, group discussions) • Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) • CBL (Case-based learning) • Independent learning
Learning Methods Related with Professionalism

- On-the-job learning and assessment (MiniPET)

7. SESSION V CARDIOLOGY CLERKSHIP - "STUDENT TRAINEE REPORT"

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the "Atatürk University Faculty of Medicine Trainee Report" which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION V CARDIOLOGY CLERKSHIP STUDENT TRAINEE REPORT			
Name:……Surname:……. **Student Number:**		**Date::…../……/……**	
I- Basic Medicine Practices	**Learning Level****	**Number of Applications**	**Teaching Staff Approve (Date)**
A. Taking Anamnesis			
To be able to take general and problematic medical history	**4**	**3***	
B. Physical Examination (General and Problem-Oriented)			
Examination of cardiovascular system	**4**	5*	
Examination of respiratory system	**4**	5*	
C. Registration, Reporting and Notification			
Preparing patient file	**4**	2	
Prescribing	**4**	3*	
D. Laboratory Tests and Other Related Processes			
Taking electrocardiography and evaluating electrocardiogram	**3**	10	
Creating a laboratory request form	**4**	5	
E. Interventional and Non-Interventional Applications			
Measuring blood pressure	**4**	10	
Acoompanying echocardiography application	**1**	10*	
Acoompanying exercise stress test	**1**	3*	
Participating in diagnostic and interventional procedures in the cardiac catheterization laboratory	**1**	5*	
I-Total Basic Medicine Practice score (out of 5 point)			
II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers) **Total Professionalism score (out of 5 point)**			
III- Clinical Problem Solving (out of 5) (Given from the performance shown in **Case Based Learning sessions)**			
TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)			
Teaching Staff **Date and Sign**		**Head of Department** **Date and Sign**	

***** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

****Learning Level****

Learning Level**	**Explanation**
1	Knows how to practice and explains the results to patients and / or relatives.

2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

8. SESSION V CARDIOLOGY CLERKSHIP - ASSESSMENT AND EVALUATION METHODS

ASSESSMENT AND EVALUATION METHODS IN CARDIOLOGY CLERKSHIP

RACTICAL-ORAL EXAMINATION

- **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)
  - **Basic Medicine Practices** (5 %).
  - **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).
  - **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5)

- **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (85 %)
- Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.
- Students who fail the practical-oral examination, take the make-up exam.
- Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam.

THEORETICAL EXAM

- It consists of a total of 40 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision)
- Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful.
- Students who fail the theoretical examination, take the make-up exam.

SUCCESS GRADE

- Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.

MAKE-UP EXAM

- If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.

SESSION V THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP GUIDE

Code	MED506	**Type**	Compulsory
Period	3 weeks	**ECTS**	5

THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP- Prerequisite Courses	
1	Taken the pre-clinical courses
2	Taken courses in the relevant committee (s) in session 3

REFERENCES (RESOURCE BOOK - OTHERS)	
1.	Up To Date
2.	
3.	

THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP- RULES FOR STUDENTS	
1	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
2	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
3	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
4	Students are obliged to keep the **"Ataturk University Faculty of Medicine Trainee Report"** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
5	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
6	**In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in "Atatürk University Faculty of Medicine Teaching and Exam Application Principles".
7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at "http://anket.atauni.edu.tr". The participation link to the survey will be sent to the students by the dean's management.

1. SESSION V THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP- OBJECTIVE OF THE PROGRAM

OBJECTIVE OF THE THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP PROGRAM	
1.	To be able to make a pre-diagnosis / diagnosis by evaluating the anatomy, physiological features of the thoracic related organs, and the symptoms and signs of the diseases that affect them
2.	To be able to define emergencies for Thoracic Surgery - Cardiovascular Surgery and make emergency treatment
3.	Creating and applying a treatment plan in clinical situations required within the scope of education level criteria
4.	To be able to provide referral when necessary after emergency intervention and treatment
5.	To be able to gain the knowledge, skills and professionalism characteristics determined for internship.

2. SESSION V THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
Contribution levels	5	5	4	4	4	5	5	5	5	5	5	5	5	4	4	4	3	5	5	5
Program Qualifications	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**								
Contribution levels	5	5	5	5	5	4	5	5	5	4	5	5								

Contribution levels: *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

3. SESSION V THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP LEARNING OBJECTIVES

A. Frequent reasons for application: Competence is expected in terms of Clinical Symptoms / Signs / Status during the Thoracic Surgery and Cardiovascular Surgery clerkship period

THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP- *LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS*					
1	Abdominal distension	14	Abdominal pain	27	Problems with altitude and plunge (pressure changes)
2	Apnea	15	Mass in the abdomen	28	Legal situations / responsibilities
3	Fever Dysphagia	16	Claudication intermittant	29	Accidents (Home-work-traffic accidents, falls, drowning)
4	Palpitation	17	Lymphadenopathy	30	Corrosive exposure
5	Skin and nail changes (dryness, discoloration, etc.)	18	Edema	31	Death
6	Dysphagia	19	Cough	32	Violence (Domestic violence, violence against children, women, healthcare personnel, violence at work, mobing)
7	Dyspnoea	20	Parasthesia	33	Disabilit
8	Chest pain	21	Paresis, paralysis	34	Risk management and malpractice
9	Chest wall anomalies	22	Syncope	35	Wounds and injuries
10.	Hemoptysis	23	Cyanosis	36	Prevention of chronic diseases
11.	Hypertension	24	Stridor	37	Health promotion
12.	Hypotension	25	Sweating changes	38	Problems with tobacco, alcohol and substance use
13.	Cardiac murmur	26	Foreign body (swallowing / aspiration / ear / nose)		

B. In terms of knowledge: It is expected to have knowledge at the levels determined in the **"Diseases / Clinical Problems"** listed below during the Thoracic Surgery and Cardiovascular Surgery clekchip period.

THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*	
LEARNING LEVELS	**CLINICAL PROBLEM**
In the clinical problems mentioned in the column next to; **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary**	1. Pulmonary edema 2. Acute coronary syndrome 3. Anaphylaxis 4. ARDS 5. Artery and vein injury 6. Cardio - pulmonary arrest 7. Accidents (Home-work-traffic accidents, falls etc.) 8. Compartment syndrome 9. Pneumothorax 10. Respiratory failure 11.Thoracic traumas 12. Foreign body / aspiration 13. Laryngeal obstruction
In the clinical problems mentioned in the column next to;	14. Achalasia 15. Lung Cancer 16. Acute artery occlusion 17. Aortic aneurysm / rupture 18. Aortic dissection

Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert	19. Bronchiectasis 20. Diaphragmatic hernias 21. Deep vein thrombosis 22. Varicose veins in the extremity 23. Gastrointestinal system motility disorders 24. Interstitial lung diseases 25. Heart valve diseases 26. Heart rhythm disorders 27. Bone tumors 28. Cyst hydatid disease 29. Coronary artery disease 30. Pleural effusion, empyema 31. Pneumothorax
In the clinical problems mentioned in the column next to; **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures**	32. Acute coronary syndrome 33. Sudden death 34. Congenital structural anomalies 35. Gastrointestinal system cancers 36. Heart failure 37. Compartment syndrome 38. Foreign body / aspiration
In the clinical problems mentioned in the column next to; **Be able to Diagnose and Treat (DT)**	39. Gastro - esophageal reflux
In the clinical problems mentioned in the column next to; **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)**	40.Lung Cancer 41. Acute coronary syndrome 42. Anaphylaxis 43. Sudden death 44.Bronchiectasis 45.Deep vein thrombosis 46. Congenital structural anomalies 47. Varicose veins in the limb 48. Gastrointestinal system cancers 49. Gastro - esophageal reflux 50. Heart valve diseases 51.Heart failure 52. Accidents (Home-work-traffic accidents, falls etc.) 53.Compartment syndrome 54.Cyst hydatid disease

C. In terms of skill: It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Thoracic Surgery and Cardiovascular Surgery clekchip period.

THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	**BASIC MEDICINE APPLICATIONS**
Skills specified in the adjacent column; **In an emergency**, performs the application in accordance **with the guide / instruction** **Knows** how to practice and **explains** the results to patients and / or relatives **(LEARNING LEVEL 1)**	1. To be able to pleural puncture
Skills specified in the adjacent column; performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application** **(LEARNING LEVEL 2)**	2. Forensic case examination 3. Consciousness assessment and mental state examination 4. Musculoskeletal examination 5. To be able to prepare a forensic report 6. Ability to establish vascular access 7. Ability to apply defibrillation 8. To be able to take and evaluate ECG 9. Ability to edit reporting and notification 10. Periodic examination, control (Cardiac risk calculation, adolescent counseling, tobacco counseling, cancer screening, etc.) 11. Reading and evaluating direct radiographs 12. To be able to distinguish / manage forensic cases 13. "Airway" application 14. Rational drug use 15. Ability to open skin and soft tissue abscess 16. Being able to intubate 17. Ability to take biological samples from the patient 18. Ability to remove the foreign body in the airway with appropriate maneuvers 19. To be able to apply and evaluate pulse oximetry 20. Evaluating respiratory function tests 21. To be able to take and take superficial sutures 22. Providing health education to the society 23. Ability to combat communicable diseases in the community
Skills specified in the adjacent column; Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application** **(LEARNING LEVEL 3)**	24. To be able to take general and problem-oriented stories 25. To be able to evaluate the mental state 26.Cardiovascular system examination 27. Respiratory system examination 28. Clarification and consent 29. Ability to prepare an epicrisis 30. Ability to prepare a patient file 31.Ability to refer patients appropriately 32.Ability to issue death certificate 33. Prepare recipe 34. Ability to prepare a treatment rejection document 35. To be able to apply the principles of working with biological material 36. Providing decontamination, disinfection, sterilization, antisepsis 37. Ability to fill the request form for laboratory examination 38. Ability to take the laboratory sample under suitable conditions and deliver it to the laboratory. 39. Ability to take measures to stop / limit external bleeding 40. Hand washing 41. Provide basic life support 42. Evaluating the disease / trauma severity scoring

D. In terms of Behavioral, Social and Humanities: It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the Chest Surgery and Cardiovascular Surgery period

THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	

E. In terms of Professionalism: Attitudes listed below are expected to be gained during the period of Thoracic Surgery and Cardiovascular Surgery clerkchip

ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP
1. Holistic approach to health (bio - psycho social and cultural approach), patient centered approach, community oriented medicine.
2. Rights-based health approach.
3. Communication skills, communication in difficult situations, interpersonal relationships and teamwork.
4. History of medicine and thought / values, physician identity and consciousness, physician roles and limits.
5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.
6. Patient rights, physician responsibility, patient-physician relationship.
7. Professionalism / ethical problems, dilemmas in health processes.
8. Legal problems in health processes.
9. Research and publication ethics.
10. Determinants of health, health inequality, gender and health.
11. Health systems, health policies.
12. Health economics and management.
13. Reflective thinking and practice, continuous personal and professional development, training and consultancy.

4. SESSION V THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP - WEEKLY COURSE PROGRAM

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	1. Week		
Monday	Briefing About Related Clinical Internship	08:00-08:50	Associate Professor Ali Bilal ULAS Associate Professor Ümit ARSLAN
	Thoracic Surgery Problem-based learning Session I	09:00-09:50	Professor.Atila EROGLU Professor Yener AYDIN Associate Professor Ali Bilal ULAS
	General Thorasic Surgery	10:00-10:50	Associate Professor Ali Bilal ULAS
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	11:00-17:00	
Tuesday			
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08:00-09:50	
	Cardiovascular Surgery Problem-based learning Session I	10:00-10:50	Professor Yahya ÜNLÜ Professor Ugur KAYA Professor Eyüp Serhat ÇALIK
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	11:00-13:00	
	Clinical Case Presentation	13.30-14:20	Professor Uğur KAYA
	Abdominal Aortic Aneurysms	14.30-15:20	Associate Professor Umit ARSLAN
	Surgical Treatment of Coronary Artery Disease	15:30-17:00	Proffesor.Bilgehan ERKUT

Days	Subject of The Lesson	Lesson Time	Teaching Staff
Wednesday	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08:00-08:50	
	Thorax Radiology	09:00-09:50	Associate Professor Ali Bilal ULAS
	Pneumothorax	10.00-10:50	Associate Professor Ali Bilal ULAS
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	11:00-14:30	
	PDA	13:00-13:50	Professor Eyüp Serhat ÇALIK
	ASD+VSD	14:30-15:20	Professor Uğur KAYA
	Elective / Freelance work	15:30 -17:00	
Thursday	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08.00-09:50	
	Peripheral Arterial Disease	10.00-10:50	Dr.Assoc.Professor Izatullah JALALZAI
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	11.00-12:00	
	Aortic Dissection	13.30-14:20	Professor Yahya ÜNLÜ
	Lower Extremity Venous System Diseases Venous Thromboembolism – Tetralogy of Fallot	14.30-15:20	Professor Umit ARSLAN
	Elective / Freelance work	15:30-17:00	
Friday	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08:00-08:50	
	Pleural Effusions	09:00-09:50	Associate Professor Ali Bilal ULAS
	Hyperhidrozis	10.00-10:50	Associate Professor Ali Bilal ULAS
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	11:00-15:00	
	Elective / Freelance work	15:00- 17:00	
	2. Week		
Monday	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08.00-09:50	
	Cardiovascular Surgery Problem-based learning Session II	10.00-10:50	Proffesor.Bilgehan ERKUT Dr.Assoc.Izatullah JALALZAI Professor Umit ARSLAN
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	11:00-12:00	
	Varices	13:30-14:20	Dr.Assoc. Izatullah JALALZAI
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	14:30-17:00	
Tuesday	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08:00-08:50	
	Thoracic Surgery Problem-based learning Session II	09.00-09:50	Professor Atila EROGLU Professor Yener AYDIN Associate Professor Ali Bilal ULAS
	Hydatic Cyst	10.00-10:50	Professor Yener AYDIN
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	11:00-12:00	
	Foreign Bodies	13:30-14:20	Professor Yener AYDIN
	Elective / Freelance work	14:30-17:00	
Wednesday	Briefing About Related Clinical Internship	08.00-08:50	Associate Professor Ali Bilal ULAS Professor Ümit ARSLAN
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	09:00-09:50	
	Surgical Treatment of Coronary Artery Disease	10.00-10:50	Proffesor.Bilgehan ERKUT
	Acute Artery Embolism	13:30-14:20	Professor Ugur KAYA
	Elective / Freelance work	14:30-17:00	
Thursday	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08:00-08:50	
	Congenital Chest Wall Deformities	09.00-09:50	Professor Yener AYDIN
	Surgicaldiseases of the mediastinum	10.00-10:50	Professor Yener AYDIN

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	11:00-12:00	
	Bronchiectases	13:30-14:20	Professor Yener AYDIN
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	14:30-17:00	
Friday	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08.00-09:50	
	Peripheral Vascular Injuries	10.00-10:50	Proffesor.Bilgehan ERKUT
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	11:00-12:00	
	Surgical Treatment of Mitral Valve Diseases	13:30-14:20	Professor Eyüp Serhat ÇALIK
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	14:30-17:00	
	3. Week		
Monday	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08:00-08:50	
	Thoracic traumas	09.00-09:50	Professor Atila EROGLU
	Diaphragmatic hernias	10.00-10:50	Professor Atila EROGLU
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	11:00-17:00	
Tuesday	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08.00-08:50	
	Cardiovascular Surgery Problem-based learning Session III	09:00-09:50	Professor Uğur KAYA Professor Ümit ARSLAN
	Surgical Treatment of Aortic Valve Diseases+PDA	10:00-10:50	Professor Eyüp Serhat ÇALIK
	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	11:00-17:00	
Wednesday	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08:00-08:50	
	Lung cancer	09.00-09:50	Professor Atila EROGLU
	Esophageal Diseases	10.00-11:30	Professor Atila EROGLU
	Thoracic Surgery Problem-based learning Session III	11:30-12:00	Professor Atila EROGLU Professor Yener AYDIN Associate Professor Ali Bilal ULAS
	Elective / Freelance work	13:30-17:00	
Thursday	Practical applications in the related clinic (Operating room, Outpatient clinic, Service)	08.00-08:50	
	Cardiopulmonary Bypass	09:00-09:50	Profesor Yahya ÜNLÜ
	Pericardial Effusion and Tamponade	10:00-10:50	Dr.Assoc. Izatullah JALALZAI
	Elective / Freelance work	11:00-17:00	
Friday	EXAM (Practical-Oral)	09:00-12:00	Department of Thoracic Surgery – Cardiovascular Surgery
	EXAM (Multiple-Choice)	13:30-14:30	
	Post-internship feedback meeting		

5. SESSION V THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP MATCHING COURSES WITH LEARNING OBJECTIVES

MATCHING INTERNAL MEDICINE CLERKSHIP COURSES WITH LEARNING OBJECTIVES								
Code	**Lesson Topic**	**Teaching Staff**	**Theoretical lesson**	**Practical lesson**	**Symptoms / Conditions**	**Clinical problem**	**Basic Medical Practices**	**Behavioral, Social and Humanities**
TS 001	Thoracic Anatomy	Assistant Professor Ali Bilal ULAS	1					
TS 002	Thoracic Radiology	Assistant Professor Ali Bilal ULAS	1				11	
TS 003	Pleural effusions, Hemothorax	Assistant Professor Ali Bilal ULAS	1		7, 8, 30, 35	10	1, 11, 1517, 19, 21, 24, 25, 27, 28, 29, 31	
TS 004	Pneumothorax	Assistant Professor Ali Bilal ULAS	1		7, 8, 27, 35	9, 10, 31	1, 11, 19, 21, 24, 25, 27, 28, 29 31	
TS 005	Bronchiectasis	Assistant Professor Ali Bilal ULAS	1		3, 17, 19	19, 44	11, 24, 25, 27, 28, 29	
TS 006	Congenital structural anomalies	Prof. Dr. Yener AYDIN	1		9, 34, 46	34, 46	10, 11, 24, 25, 27, 28, 29	
TS 007	Cyst Hydatid	Prof. Dr. Yener AYDIN	1		3, 8, 10, 19	3, 10, 28, 42	10, 11, 23, 24, 25, 27, 28, 29	
TS 008	Foreign object aspiration	Prof. Dr. Yener AYDIN	1		2, 24, 26	10, 12, 13, 38	11, 18, 24, 25, 27, 28, 29, 31	
ts 009	Esophageal foreign objects	Prof. Dr. Yener AYDIN	1		6, 8, 26, 30	38	11, 24, 25, 27, 28, 29, 31	
TS 010	Hyperhidrosis	Prof. Dr. Yener AYDIN	1		25		22, 24, 25, 27, 28, 29	
TS 011	Lung cancer	Prof. Dr. Atila EROĞlU	1		8, 10, 24, 27, 33, 36, 37, 38, 40	15, 40	10, 11, 20, 22, 24, 25, 27, 28, 29	
TS 012	Esophageal Diseases	Prof. Dr. Atila EROĞlU	1		6, 33, 48	14, 23, 35, 39, 48	10, 11, 24, 25, 27, 28, 29	
TS 013	Diaphragmatic Hernias	Prof. Dr. Atila EROĞlU			7, 8	20	11, 24, 25, 27, 28, 29	
TS 014	Thoracic Traumas	Prof. Dr. Atila EROĞlU			8, 18, 28, 29, 31, 32, 34, 35	1, 4, 5, 6, 7, 9, 10, 11, 33, 43	2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, 19, 24, 25, 27, 28, 29, 30, 31, 32, 33, 34	
TS 015	Differentiation of forensic cases	Department Faculty Members		1				
TS 016	Hand washing	Department Faculty Members		1				
TS 017	To be able to pleural puncture	Department Faculty Members		1				
TS 018	Provide basic life support	Department Faculty Members		1				

TS 019	Ability to take and take superficial sutures	Department Faculty Members		1				
TS 020	Service Visit	Department Faculty Members		42				
TS 021	Polyclinic / Operating Room Applications	Department Faculty Members		22				
TS 022	Meeting to inform internship goals and objectives	Head of internship commission	1					
TS 023	Post-internship feedback meeting	Head of internship commission	1					
CVS 001	Abdominal Aortic Aneurysms	Associate Professor Abdurrahim COLAK	1		1, 14, 15	17, 18	24, 26, 28.29, 31	
CVS 002	Congenital Heart Diseases and Surgical Treatment ASD, VSD, PDA	Prof. Dr. Münacettin CEVİZ	1		4, 7, 8, 13, 23, 31	1, 10, 25, 26, 33, 34, 46	8, 10, 11, 24, 26, 27, 28.29, 31	
CVS 003	Peripheral Artery Diseases	Prof. Dr. Azman ATEŞ	1		16, 20, 21	16	24, 26, 28.29, 31	
CVS 004	Aortic Dissection	Prof. Dr. Yahya ÜNLÜ	1		7, 8, 12, 22	18, 33	24, 26, 28.29, 31	
CVS 005	Lower Extremity Venous System Diseases Venous Thromboembolism	Associate Professor Ümit ARSLAN	1		5, 18, 23	21, 45	24, 26, 28.29, 31	
CVS 006	Varicose veins	Associate Professor Ümit ARSLAN	1		5, 18	22, 47	24, 26, 28.29	
CVS 007	Surgical Treatment in Coronary Artery Diseases	Prof. Dr. Hikmet KOÇAK	1		4, 8, 11	2, 26, 32, 33	7, 8, 10, 26, 31	
CVS 008	Acute Artery Embolism	Associate Professor.Uğur KAYA	1		20, 21, 23	16	24, 26, 28.29, 31	
CVS 009	Peripheral Vascular Injuries	Prof.Dr.Bilgehan ERKUT	1		12, 23	5, 8, 37	24, 26, 28.29, 31	
CVS 010	Surgical Treatment of Mitral Valve Diseases	Associate Professor.Uğur KAYA	1		4, 7, 13, 23	25	8, 11, 24, 26, 28.29, 31	
CVS 011	Surgical Treatment of Aortic Valve Diseases	Associate Professor Eyüpserhat ÇALIK	1		4, 7, 13, 22, 23	25	8, 11, 24, 26, 28.29, 31	
CVS 012	Tetralogy of Fallot	Associate Professor Ümit ARSLAN	1		7, 22, 23	34	11, 24, 26, 28.29, 31	
CVS 013	Cardiopulmonary Bypass	Prof.Dr.Yahya ÜNLÜ	1		8	2, 6, 32, 33, 41, 43	24, 26, 28.29, 31	
CVS 014	Pericardial Effusion and Tamponade	Assistant Professor Ferhat BORULU	1		7, 8, 12, 18	30, 33	8, 11, 24, 26, 28.29, 31	

6. LEARNING METHODS OF THORACIC SURGERY – CARDIOVASCULAR SURGERY CLERKSHIP PROGRAM

LEARNING METHODS OF THORACIC SURGERY – CARDIOVASCULAR SURGERY CLERKSHIP PROGRAM
Learning Methods Related with Knowledge:
• Structured learning activities carried out in clinical skills laboratories and simulated patient centers • Multidisciplinary laboratory practices • • Bedside trainings, visits, structured focused patient visit; service and polyclinic experiences • • Community-based learning activities (observing health risks in the workplace and schools, evaluating the services provided, service delivery in primary health care institutions, home visits, etc.) • • On-the-job learning and assessment • • Structured case discussion
Learning Methods Related with Medical practices:
• Classroom lesson / presentation: Lecture, instructor presentation, interactive lecture / classroom lessons • Interdisciplinary learning events (meetings, panels, group discussions) • • Case / problem-based interactive learning activities conducted with small groups (case-based evaluation, case discussion, clinical tutorials, etc.) • Case-based learning • Independent learning • Multidisciplinary laboratory applications, anatomy laboratory applications • • Project / research based learning
Learning Methods Related with Professionalism
• Interdisciplinary learning events (meetings, panels, forums, group discussions) • Critical case discussions • Reflection sessions • • Student development file (portfolio) application • • On-the-job learning and assessment (MiniPET)Critical situation discussionsı • Reflection sessions • Written visual texts readings and interpretations • Student development file (portfolio) application • On-the-job learning and assessment (MiniPET)

7. "STUDENT TRAINEE REPORT" FOR THORACIC SURGERY – CARDIOVASCULAR SURGERY

CLERKSHIP The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the "Atatürk University Faculty of Medicine Trainee Report" which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSİTY FACULTY OF MEDICINE-SESSION V THORACIC SURGERY – CARDIOVASCULAR SURGERY CLERKSHIP STUDENT TRAİNEE REPORT			
Name:……Surname:…….			
Student Number:		**Date::……/……/……**	
I- Basic Medicine Practices	**Learning Level****	**Number of Applications**	**Teaching Staff Approve (Date)**
A. Taking Anamnesis			
Taking general and problem-oriented stories	**3**	**1***	
B. Physical Examination (General and Problem-Oriented)			
Cardiovascular system examination	**3**	1*	
UBI measurement	**3**	1*	
C. Registration, Reporting and Notification			
Write a prescription	**3**	1*	
Preparing a patient file	**3**	1	
D. Laboratory Tests and Other Related Processes			
Ability to take the laboratory sample under suitable conditions and send it to the laboratory under suitable conditions	**3**	3	
Ability to fill the request form for laboratory examination	**4**	3	
To be able to interpret the results of screening and diagnostic examinations	**2**	3*	
E. Interventional and Non-Interventional Applications			
Ability to open a central venous catheter	**2**	1*	
Ability to suture / suture primary incision	**2**	1	
I-Total Basic Medicine Practice score (out of 5 point)			
II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers) **Total Professionalism score (out of 5 point)**			
III- Clinical Problem Solving (out of 5) (Given from the performance shown in **Case Based Learning sessions)**			
TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)			
Teaching Staff **Date and Sign**		**Head of Department** **Date and Sign**	

***** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

****Learning Level****

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

8. SESSION V THORACIC SURGERY - CARDIOVASCULAR SURGERY CLERKSHIP ASSESSMENT AND EVALUATION METHODS

ASSESSMENT AND EVALUATION METHODS IN THORACIC SURGERY – CARDIOVASCULAR SURGERY CLERKSHIP
RACTICAL-ORAL EXAMINATION

• **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)
  ➢ **Basic Medicine Practices** (5 %).
  ➢ **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).
  ➢ **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5)
• **Practical Exam:** It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%)
• **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %)
• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.
• Students who fail the practical-oral examination, take the make-up exam.
• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam.

THEORETICAL EXAM
• It consists of a total of 100 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) • Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. • Students who fail the theoretical examination, take the make-up exam.
SUCCESS GRADE
• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.
MAKE-UP EXAM
• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.

SESSION V DERMATOLOGY AND VENEREOLOGY CLERKSHIP GUIDE

Code	MED502	**Type**	Compulsory
Period	3 weeks	**ECTS**	5

DERMATOLOGY CLERKSHIP-Prerequisite Courses	
1	the pre-clinical courses
2	courses in the relevant committee (s) in session 3

REFERENCES(RESOURCE BOOK -OTHERS)	
1.	Dermatology. Jean L. Bolognia, Julie V. Schaffer, Lorenzo Cerroni, Jeffrey P. Callen, EdwardW. Cowen, George J. Hruza, Joseph L. Jorizzo, Harvey Lui, Luis Requena, Thomas Schwarz, Antonio Torrelo.2018
2.	Dermatoloji. Yalçın Tüzün, Mehmet Ali Gürer, Server Serdaroğlu, Oya Oğuz, Varol Aksungur (Editörler); Nobel Tıp Kitabevi.
3.	Dermatoloji (Jean L Bolognia). Hayriye Sarıcaoğlu, Emel Bülbül Başkan (Çeviri editörleri);Nobel Tıp Kitapevleri.
4.	Fitzpatrick's Dermatology in General Medicine. Lowell A. Goldsmith, Stephen I. Katz, Barbara A. Gilchrest, Amy S. Palle, David J. Leffell, Klaus Wolff (Editors); McGraw-Hill.
5.	Fitzpatrick'in Renkli Klinik Dermatoloji Atlası ve Özeti. Neslihan Şendur, Göksun Karaman, Ekin Şavk (Çeviri editörleri); Güneş Tıp Kitabevleri.
6.	UpToDate (http://www.uptodate.com).
7.	Andrews' Dıseases Of The Skın: Clınıcal Dermatology,William D. James, Timothy G. Berger, Dirk M. Elston 2016

DERMATOLOGY AND VENEREOLOGY CLERKSHIP- RULES FOR STUDENTS	
1	Training starts on 08.00 in the morning and ends at 17.00 in the evening.
2	Students are expected to attend lectures, clinics and exams in a clean and well-maintained manner, with white coat and ID card.
3	The first course is planned as introduction to Dermatology and venereology clerkship. The students will be informed by the instructor about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medical practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
4	Students are expected to attend grand rounds every morning at 8.30 on weekdays
5	Students are required to keep the "Atatürk University Faculty of Medicine Trainee Report" which includes the knowledge, skills and attitudes expected to be gained during the clerkship prepared in accordance with the learning objectives and competencies. At the end of the clerkship, the Trainee Card must be approved by the director of the clerkship and delivered to the Department.

6	80% attendance is compulsory for the clerkship (in theoretical-practical sessions and grand rounds) and failure to attend with more than 20% of sessions leads to loss of the right to take the exam at the end of the clerkship.
7	Students will participate in scientific meetings, case presentations and seminars organized by the Department.
8	**In order to be successful at the end of the clerkship;**Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in "Atatürk University Faculty of Medicine Teaching and Exam Application Principles".
9	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at "http://anket.atauni.edu.tr". The participation link to the survey will be sent to the students by the dean's management.

1. SESSION V DERMATOLOGY AND VENEREOLOGY CLERKSHIP- OBJECTIVE OF THE PROGRAM

OBJECTIVES OF THE DERMATOLOGY AND VENEREOLOGY CLERKSHIP **The students are expected to gain following achievements at the end of the clerkship**	
17.	To gain the necessary knowledge, skills and attitudes to diagnose and treat the most common dermatological diseases in our country and region in accordance with the learning objectives specified in the National Core Education Program.
18.	To be able to define and manage dermatological emergencies
19.	To be able to create and apply treatment plan for certain clinical conditions within the scope of expected learning level
20.	To be able to refer the patient when necessary after emergency intervention and treatment
21.	To grow up as physicians who are questioning and open-minded, and enthusiastic for research, who practice their profession within ethical rules, and who can approach the patient and their family in a holistic manner and empathize.
22.	To gain the knowledge, skills and professionalism characteristics idetified for Dermatology clerkship.

2. SESSION V DERMATOLOGY AND VENEREOLOGY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to"Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
Level of contribution	5	5	4	2	2	3	3	3	3	3	3	4		3	3	3	3	3	4	
Program Qualifications	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**								
Level of contribution	3	4	3	3	3	3	3	2	3	3	3	3								

Level of contribution*: -:no contribution 1 very low 2 low 3 intermediate 4 high 5 veryhigh*

3. SESSION V DERMATOLOGY AND VENEREOLOGY CLERKSHIP LEARNING OBJECTIVES

A. Frequent reasons for application: During the Dermatology clerkship, it is expected to gain competence in following symptom / clinical conditions, forensic / psychosocial conditions, health conditions and environmental / global conditions.

1	Oral sores,	4	Genital sores	7	Hair loss
2	Rashes/skin lesions (maculopapular, bullous, vesicular, ulcerative etc)	5	Pruritus	8	İnsect bites
3	Skin and nail changes (dryness, color change etc)	6	Petechiae, purpura, ecchymosis		

B. KNOWLEDGE: During the Dermatology and Venereology clerkship, students are expected to get knowledge at the levels identified in the **"Learning levels of Diseases / Clinical Problems"** listed below.

DERMATOLOGY CLERKSHIP- *CLINICAL PROBLEMS LEARNING LEVELS*	
LEARNING LEVELS	**CLINICAL PROBLEM**
In the clinical problems stated in the next column; **To be able to define the Emergency situation (E) and manage emergency treatment and refer the patient to the specialist when necessary**	1.Anaphylaxis 2.Allergic reaction 12.Erythroderma 14. Drug side effects 21.Urticaria and angioedema
In the clinical problems stated in the next column; To be able to put a preliminary diagnosis (PreD) and refer the patient to the specialist by making the necessary arrangements	7.Skin tumors 15.Leishmaniasis (cutaneous) 16.Autoimmune bullous dermatoses (pemphigus, Bullous pemphigoid, dermatitis herpetiformis) 20.Sarcoidosis 19.Systemic lupus erythematosus 23.Vasculitis 13.Tuberculosis (cutaneous)
In the clinical problems stated in the next column; **To be able to make a Diagnosis (D) and have information about treatment, to be able to refer the patient to the specialist by making the necessary preliminary procedures**	3.Alopecia 5.Behçet's Disease 12.Erythroderma 14.Drug side effects 17.Psoriasis, lichen planus, pityriasis rosea 18.Reactive dermatoses (erythema nodosum, erythema multiforme) 22.Vitiligo
In the clinical problems stated in the next column; **To be able to Diagnose and Treat (DT)**	2.Allergic reaction 4.Acne vulgaris/rosacea 6.Sexually transmitted infections 8.Skin and soft tissue infections (bacterial, fungal, viral) 9.Parasitic diseases of the skin 10.Dermatitis (atopic, contact, seborheic, diaper) 11.Infectious diseases with rash

	21.Urticaria and angioedema
In the clinical problems stated in the next column; **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)**	1.Anaphylaxis 6.Sexually transmitted infections 8.skin and soft tissue infections (bacterial, fungal, viral) 7.Skin tumors 9.Parasitic diseases of the skin 10.Dermatitis (atopic, contact, seborheic, diaper) 11. Infectious diseases with rash 14. Drug side effects 15.Leishmaniasis (cutaneous) 21.Urticaria and angioedema

C. SKILLS: During the Dermatology and Venereology clerkship, it is expected to gain ability to practice at the levels identified in the **"Basic Medical Practices"** listed below.

LEARNING LEVELS OF BASIC MEDICAL PRACTICES IN DERMATOLOGY AND VENEREOLOGY CLERKSHIP	
LEARNING LEVEL	**BASIC MEDICAL PRACTICES IN THE DERMATOLOGY CLERKSHIP**
For the skills specified in the next column; make pre-assessment/evaluation in **uncomplicated,** frequent situations/cases, create necessary plans, inform patients and their relatives and does the practice **(Learning level 3)**.	22. Drainage of soft tissue abscesses 23. Fight against infectious diseases in the community
For the skills specified in the next column; preevaluate the practice including **complex** situations/cases, creates necessary plans, informs the patient and relatives does the practice **(Learning Level 4)**	24. Following the principles of rational drug use 25. Taking an informed consent 26. Skin examination 27. Decontamination, disinfection, sterilisation, antisepsis 28. Preparing medical records 29. General and problem based history taking 30. Preparing patient file 31. Using light microscope 32. Prescribing 33. Reporting legally notifiable diseases and conditions

D. BEHAVIORAL, SOCIAL SCIENCES AND HUMANITIES (BSSH)- LIST OF CONDITIONS: It is expected to have sensitivity, knowledge and skills in the conditions related with **"Behavioral, Social sciences and Humanities"** listed below during the Dermatology and Venereology clerkship.

DERMATOLOGY AND VENEREOLOGY CLERKSHIP–BEHAVIORAL, SOCIAL SCIENCES AND HUMANITIES- LIST OF CONDITIONS	
	1. Work and Health Interaction 1. Occupational Diseases
	2. Environment and Health Interaction 2. Environmental diseases
	3.Child neglect and abuse 3. Abuse (physical, emotional, sexual)
	69. **Chronic Noninfectious Diseases** 4. Multimorbidity
	70. **Global climate crisis** 5. Epidemic diseases
	6. Reproductive Health /Sexual Health 6. Sexuallly transmitted diseases and ways of prevention

E. Professionalism: The attitudes listed below are expected to be gained during the Dermatology and Venereology clerkship.

DERMATOLOGY AND VENEREOLOGY CLERKSHIP- ATTITUDES TO BE GAINED IN TERMS OF PROFESSIONALITY
1. A holistic approach to health (bio - psycho - social and cultural), patient - centered, community oriented medicine
2. Right-based health approach
3. Communication skills, communication in difficult situations, interpersonal relations and teamwork.
4. History of Medicine and thought/values, physician identity and awareness, roles and limits in medicine
5. Medical ethics, ethical and professional values and responsibilities; humanitarian, social and cultural values and responsibilities
6. Patient rights, physician responsibility, patient-physician relationship
7. Problems and dilemmas for professionalism / ethics in health processes
8. Legal problems in health processes
9. Research and publication ethics
10. Determinants of health, inequality in health, gender and health.
11. Health systems, health policies.
12. Health economics and management.

4. SESSION V DERMATOLOGY AND VENEREOLOGY CLERKSHIP EDUCATION PROGRAM

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	1. Week		
Monday	Information about Internship and Ethical and Professional Values in Clinical Practice	08.00-09.00	Dr. Erkayman, Melikoğlu, Bilen, Pala, Ural will take turns
	Visits	09.00-10.00	
	Eczemas (2)	10.00-12.00	Prof. Dr. Mehmet MELİKOĞLU
	Syphilis (1)	13.00-14.00	Assoc. Prof. Zeynep Karaca URAL
	Elementary Lesions (2)	14.00-16.00	Assoc. Prof. Zeynep Karaca URAL
	Parasitic Diseases of the Skin (1)	15.00-16.00	Prof. Dr. Mehmet MELİKOĞLU
	Polyclinic-Clinical Work Clinic (Group 1) Outpatient Clinic (Group 2)	16.00-17.00	Melikoğlu, Bilen, Pala, Erkayman, Ural will take turns
Tuesday	Vizit	08.00-09.30	
	Elementary Lesions (2)	10.00-12.00	Asst.Prof. Merve Hatun ERKAYMAN
	Connective Tissue Diseases (2)	13.00-15.00	Assoc.Prof. Erdal PALA
	Pigment Disorders (1)	15.00-16.00	Asst.Prof. Merve Hatun Erkayman
	Independent work hours	16.00-17.00	
Wednesday	Case-Based Learning (CBL) Session 1	08.00-09.00 09.00-10.00	Assoc.Prof. Erdal PALA Assoc. Prof. Zeynep Karaca URAL
	Skin Tuberculosis (2)	10.00-12.00	Assoc.Prof. Handan BİLEN
	Skin and Soft Tissue Infections (2)	13.00-15.00	Assoc.Prof. Handan BİLEN
	Pigment Disorders (1)	15.00-16.00	Assoc.Prof. Handan BİLEN
	Elective / Freelance work	15.00-17.00	
Thursday	Vizit	08.00-09.30	
	Polyclinic-Clinical Work	10.00-12.00	
	Polyclinic-Clinical Work	13.00-14.00	
	Elective / Freelance work	14.00-17.00	
Friday	Vizit	08.00-09.30	
	Polyclinic-Clinical Work	10.00-12.00	
	Polyclinic-Clinical Work	13.00-14.00	
	Independent work hours	14.00-17.00	
	2. Week		
Monday	Vizit	08.00-09.30	
	Sexually transmitted diseases (2)	10.00-12.00	Prof. Dr. Mehmet MELİKOĞLU
	Mycosis Fungoides (1)	13.00-14.00	Prof. Dr. Mehmet MELİKOĞLU
	Leishmaniasis (1)	14.00-15.00	Assoc. Prof. Zeynep Karaca URAL
	Polyclinic-Clinical Work	15.00-16.00	
	Independent work hours	16.00-17.00	
Tuesday	Vizit	08.00-09.30	
	Superficial Fungal Infections (2)	10.00-12.00	Asst.Prof. Merve Hatun ERKAYMAN
	Superficial Fungal Infections (2)	10.00-12.00	Asst.Prof. Erdal PALA
	Urticaria (2)	13.00-15.00	Asst.Prof. Erdal PALA
	Polyclinic-Clinical Work	15.00-16.00	
	Independent work hours	16.00-17.00	
Wednesday	Case-Based Learning (CBL) Session 2	08.00-09.00 09.00-10.00	Asst.Prof. Merve Hatun ERKAYMAN Prof. Dr. Mehmet MELİKOĞLU Assoc.Prof. Handan BİLEN
	Drug Reactions (1)	10.00-11.00	Assoc. Prof. Zeynep Karaca URAL
	Autoimmune Bullous Diseases (2)	13.00-15.00	Assoc.Prof. Handan BİLEN
	Sun Rays and Protection Methods (1)	15.00-16.00	Assoc.Prof. Handan BİLEN
	Elective / Freelance work	15.00-17.00	
Thursday	Vizit	08.00-09.30	
	Polyclinic-Clinical Work	10.00-12.00	
	Polyclinic-Clinical Work	13.00-14.00	

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	Elective / Freelance work	14.00-16.00	
	Independent work hours	16.00-17.00	
Friday	Vizit	08.00-09.30	
	Polyclinic-Clinical Work	10.00-12.00	
	Polyclinic-Clinical Work	13.00-14.00	
	Independent work hours	14.00-17.00	
Monday	**3. Week**		
	Vizit	08.00-09.30	
	Precancerous and Skin Tumors (2)	10.00-12.00	Prof. Dr. Mehmet MELİKOĞLU
	Viral Diseases (2)	13.00-14.00	Assoc. Prof. Zeynep Karaca URAL
		14.00-15.00	
	Polyclinic-Clinical Work	15.00-16.00	
	Independent work hours	16.00-17.00	
Tuesday	Vizit	08.00-09.30	
	Sun Rays and Protection Methods (1)	10.00-11.00	Asst.Prof. Merve Hatun ERKAYMAN
	Parasitic Diseases of the Skin (1)	11.00-12.00	Asst.Prof. Merve Hatun ERKAYMAN
	Behcet's Disease (1)	13.00-14.00	Asst.Prof. Erdal PALA
	Alopecia (2)	14.00-16.00	Asst.Prof. Erdal PALA
	Independent work hours	16.00-17.00	
Wednesday	Case-Based Learning (CBL) Session 3	08.00-09.00	Prof. Dr. Mehmet MELİKOĞLU
		09.00-10.00	Assoc. Prof. Zeynep Karaca URAL
	Erythematous Squamous Diseases (2)	10.00-12.00	Assoc. Prof. Zeynep Karaca URAL
	Acne Vulgaris and Rosacea (1)	13.00-14.00	Assoc.Prof. Handan BİLEN
	Reactive Dermatoses (1)	14.00-15.00	Assoc.Prof. Handan BİLEN
	Elective / Freelance work	15.00-17.00	
Thursday	Vizit	08.00-09.30	
	Polyclinic-Clinical Work	09.30-12.00	
	Polyclinic-Clinical Work	13.00-14.00	
	Independent work hours	14.00-17.00	
Friday	Practical-Restructured Oral Examination	08.00-12.00	
	Theoretical-Multiple choice Written exam	13.00.15.00	
	Post-internship feedback meeting	15.00-16.00	

5. SESSION V DERMATOLOGY AND VENEREOLOGY MATCHING LECTURES WITH LEARNING OBJECTIVES

MATCHING DERMATOLOGY AND VENEREOLOGY CLERKSHIP LECTURES WITH LEARNING OBJECTIVES								
Code	**Lecture**	**Teaching Staff**	**Theoretical (hours)**	**Practical (hours)**	**Symptoms/ conditions**	**Clinical problem**	**Basic medical practices**	**BSSH**
DERM001	Skin examination and Morphological Terminology	Asst. Prof Merve H. ERKAYMAN		2	1,2,3,6,7		4,5,8,9	----
DERM002	Elementary Lesions	Asst. Prof Merve H. ERKAYMAN	2		1,2,6	4, 7, 16,17, 18, 21, 22, 23	5,10	---
DERM003	Cutaneous Tuberculosis	Asst. Prof Handan BİLEN	2		1,2	8, 24	2,3,5,8,10,12	4, 5
DERM004	Superficial Fungal Infections	Asst. Prof Merve H. ERKAYMAN	2	1	2,3,5,7	8, 11	2,3,5,6,8,10, 11	1, 2
DERM005	Urticaria	Asst. Prof. Erdal PALA	2	1	2,5,8	1, 2, 14, 21	3,5,8,11	--
DERM006	Pigment Disorders	Asst. Prof. Handan BİLEN	1		2	8, 22	5,8	--
DERM007	Syphilis	Asst. Prof. Handan BİLEN	1		1,2,3,4,7	3, 6, 8, 11	2,3,5,8,11,12	5, 6

DERM008	Dermatitis	Assoc. Prof. Mehmet MELİKOĞLU	2	1	2,3,5	2, 10,	3,4,5,8,11	1, 2
DERM009	Bullous Diseases	Asst. Prof. Handan BİLEN	2	1	1,2,4,5,7	16	3,4,5,7,8,9,10	2
DERM010	Skin and Soft Tissue Infections	Asst. Prof. Handan BİLEN	2	1	2,3	8	1,3,5,6,7,8,9,11	2
DERM011	Mycosis Fungoides	Assoc. Prof. Mehmet MELİKOĞLU	1	1	2,5	7, 12	5	---
DERM012	Precancerous Lesions and Skin Tumors	Assoc. Prof. Mehmet MELİKOĞLU	2	1	2	7	5,8	2
DERM013	Viral Diseases	Asst. Prof. Merve H. ERKAYMAN	2	1	1,2	6, 8, 11	2,3,5,8,10,11	2, 3, 6
DERM014	Papulosquamous Diseases	Asst. Prof. Erdal PALA	2	1	2,3,5,7	12,17,19	4,5,7,8,9	4
DERM015	Dermatological Emergencies	Asst. Prof. Erdal PALA		2	2,5	1,2,3,4,16,24	5	---
DERM016	Connective Tissue Diseases	Asst. Prof. Erdal PALA	2		1,2,5,6,7	3, 19, 20, 23	5,8	2, 4
DERM017	Drug Reactions	Asst. Prof. Merve H. ERKAYMAN	1	1	1,2,3,4,5,6,7	1,2,12,14,21,23	3,5	4
DERM018	Leishmaniasis	Assoc. Prof. Mehmet MELİKOĞLU	1	1	2,8	9, 15	2,5,10	2, 5
DERM019	Alopecia	Asst. Prof. Erdal PALA	2	1	7	3, 19, 17, 8	5,8	---
DERM020	Acne vulgaris andRosacea	Asst. Prof. Handan BİLEN	1	1	2	4	1,3,5,8	2, 4
DERM021	Reactive Dermatoses	Asst. Prof. Handan BİLEN	1	1	1,2,4,7	14, 18	3,4,58,9	2, 4
DERM022	Sexually Transmitted Diseases	Assoc. Prof. Mehmet MELİKOĞLU	2	1	1,2,4	6, 8, 11,	2,4,5,8,10	1, 3, 5, 6
DERM023	Parasitic Diseases of the skin	Asst. Prof. Merve H. ERKAYMAN	1	1	2,3,5	9	2,3,5,6,8,10	2, 3, 6
DERM024	Behçet's Disesase	Asst. Prof. Erdal PALA	1	1	1,2,4	5	5,7,8,9	2, 4
DERM025	UV Lights and Sun Protection	Asst. Prof. Merve H. ERKAYMAN	1		2,5	2, 7	5,8	2
DERM028	Grand rounds	Director of inpatient clinic						
DERM029	Inpatient- Outpatient clinics	Responsible trainer						
DERM030	Purpose and objectives of the clerkship meeting	Director of Clerkship comission	1					
DERM031	Post-clerkship feedback meeting	Director of Clerkship comission	1					

6. SESSION V DERMATOLOGY AND VENEREOLOGY LEARNING METHODS

LEARNING METHODS OF DERMATOLOGY AND VENEREOLOGY CLERKSHIP PROGRAM
Learning Methods Related with Knowledge:
• Multdisciplined laboratory practices • Bedside education, grand rounds, patient centered structered visits; outpatient and inpatient clinic experiences • On-the-job learning and assessment • Structured case discussion
Learning Methods Related with Medical practices:
• Interdisciplinary learning activities (meetings, panels, group discussions) • Case/problem-based interactive learning activites conducted with small groups (problem based learning,case discussion, clinical tutorials etc) • Independent learning • Multdisciplined laboratory practices
Learning Methods Related with Professionalism:
• Multdisciplined laboratory practices • Critical condition discussions • Student development file (portfolio) • On-the-job learning and assessment

7. SESSION V DERMATOLOGY AND VENEREOLOGY TRAINEE REPORT

Basic medical practical skills of the students will be evaluated by **"Atatürk University Faculty of Medicine Trainee Report"** which is prepared in accordance with learning levels and objectives. After the student has completed basic medical practices, they should get an approval from the responsible trainer and then deliver the Trainee card to the Department.

ATATÜRK UNIVERSITY SESSION V DERMATOLOGY AND VENEREOLOGY TRAINEE REPORT			
NAME-SURNAME: **NUMBER:**		**DATE:…../……/……**	
I-Basic Medical Practices	**Learning Level****	**Number**	**Approval of Trainer (Date)**
Patient File :			
A. History Taking			
34. General and problem-oriented history taking	**4**	5*****	
B. General and Problem-Oriented Physical Examination			
Skin examination	**4**	10*	
C. Medical Recording, Reporting ve Notification			
Obtaining informed consent	**4**	4	
Preparing medical records	**4**	3	
Prescribing	**4**	5*	
Preparing patient file	**4**	5*	
Reporting legally notifiable diseases and condititons	**4**	1	
D. Laboratuvar Testleri ve İlgili Diğer İşlemler			
Dekontaminasyon, dezenfeksiyon, sterilizasyon, antisepsi sağlayabilme	**4**	3	
Mikroskop kullanabilme	**4**	3	
E. Interventional and noninterventional Practices			
Rational drug use	**3**	1	
Drainage of soft tissue abscesses	**3**	1*	
I-Total Score of Basic Medical Practices (out of 5 points)			
II-Impression about student- Professional Features appropriate for Physician (out of 5 points) **(Evaluated by the Department trainers)**			
III-Clinical Problem Solving (out of 5 points) (Given from the performance shown in **Case Based Learning sessions**)			
TOTAL SCORE FROM TRAINEE REPORT (out of 15 points)			

Director of The Clerkship
Date and signature

Head of Department
Date and signature

***:** accompanied by teaching staff

**Learning Level

8. SESSION V DERMATOLOGY AND VENEREOLOGY ASSESSMENT AND EVALUATION METHODS

ASSESSMENT AND EVALUATION METHODS IN DERMATOLOGY AND VENEREOLOGY CLERKSHIP

RACTICAL –ORAL EXAMINATION

- **Trainee Report: Total** contribution to Practical-oral examination: % 15
  - **Basic Medical Practices**(% 5)
  - **Professionalism in Medical practices:**Evaluated by faculty members. Trainee's compliance with the clerkship rules and team work is taken into consideration.Contribution to Practical examination: % 5
  - **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5 points)

- **Practical examination:** It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination: (% 10)
-
- **Oral Examination:** Structured oral Exam (case-based structered questions evaluating clinical decision making and questions evaluating clinical information). Total contribution to Practical-Oral examination(% 75)
- Students who score less then 60 points out of 100 from the practical-oral examination, in which the trainee card is also evaluated, are considered failed
- Students who fail the practical-oral examination take the make-up exam
- Student who fail the practical-oral examination can not take the theoretical (multiple choice) examination

THEORETICAL EXAMINATION

- It consists of 50 multiple choice questions in total.
  - Case-based questions evaluating clinical decision making and questions evaluating clinical information.
- Students who score less then 60 points out of 100 from the theoretical (multiple choice) examination are considered failed.
- Students who fail the theoretical (multiple choice) examination takes the make-up exam.

SUCCESS GRADE

- It is calculated by taking the average of the scores from the theoretical and practical examinations.

MAKE-UP EXAM

- If students who didn't take the practical-oral or theoretical examination or failed, does not take the make-up exam too or failed again, he/she is considered as failed from the clerkship. They should take Dermatology clerkship again.

SESSION V EAR NOSE AND THROAT DISEASES CLERKSHIP GUIDE

Code	MED508	**Type**	Compulsory/Elective
Period	3 weeks	**ECTS**	5

EAR NOSE AND THROAT DISEASES CLERKSHIP- Prerequisite Courses	
1	Taken the pre-clinical courses
2	Taken courses in the relevant committee (s) in session 3

REFERENCES (RESOURCE BOOK - OTHERS)	
1.	Up To Date
2.	Handbook of Otolaryngology ISBN 9781626234086
3.	

EAR NOSE AND THROAT DISEASES CLERKSHIP- RULES FOR STUDENTS	
1	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
2	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
3	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
4	Students are obliged to keep the **"Ataturk University Faculty of Medicine Trainee Report"** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
5	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
6	**In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism

	characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in “Atatürk University Faculty of Medicine Teaching and Exam Application Principles”.
7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at “http://anket.atauni.edu.tr”. The participation link to the survey will be sent to the students by the dean's management.

1. SESSION V THE EAR NOSE AND THROAT DISEASES CLERKSHIP - OBJECTIVE OF THE PROGRAM

OBJECTIVE OF THE EAR NOSE AND THROAT DISEASES CLERKSHIP PROGRAM	
1.	By considering the learning objectives stated in the core training program at the end of the ear, nose and throat diseases internship; to be able to preliminary diagnose and diagnose important, common Ear, nose and throat diseases.
2.	To be able to perform emergency treatment for ENT by defining Emergencies (such as epistaxis, peripheral facial paralysis, abscess, deep neck infection, sudden hearing loss, nasal fracture, temporal bone fracture, vertigo, foreign body aspiration)
3.	Within the scope of the education level criteria; to be able to create and apply a treatment plan in necessary clinical situations.
4.	To ensure the referral of patients when necessary after emergency intervention and treatment.
5.	To be able to develop communication skills by understanding the importance of establishing patient-physician and physician-physician communication.
6.	To gain the knowledge, skills and professionalism characteristics determined for the internship.

2. SESSION V THE EAR NOSE AND THROAT DISEASES CLERKSHIP - LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

Program Qualifications	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
Contribution levels	4	4	5	4	4	4	5	5	3	4	5	4	3	3		3	3	4	4	4
Program Qualifications	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**								
Contribution levels	3	4	5	3	4					4	4	4								

Contribution levels: *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

3. SESSION V THE EAR NOSE AND THROAT DISEASES CLERKSHIP - LEARNING OBJECTIVES

A. Frequent reasons for application: Competence is expected in terms of Clinical Symptoms / Signs / Status during the The Ear Nose And Throat Dıseases clerkship period

INTERNAL MEDICINE CLERKSHIP- ***LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS***					
1	Halitosis	10	Runny nose / congestion	19	Ear pain / discharge
2	Dry mouth,	11	Nose bleeding	20	Lymphadenopathy
3	Wound in the mout	12	Balance problems	21	Cough
4	Apnea	13	Dysphagia	22	Postnasal drip
5	Fever	14	Dyspnea	23	Hoarseness
6	Headache	15	Snoring	24	Stridor
7	Dizziness	16	Hearing impairments	25	Tobacco use
8	Sore throat	17	Speech disorders (aphasia, dysphasia, dysarthria, stuttering, etc.)	26	Foreign body (swallowing / aspiration / ear / nose)
9	Mass of the neck	18	Corrosive exposure	27	Swallowing difficulties

B. In terms of knowledge: It is expected to have knowledge at the levels determined in the **"Diseases / Clinical Problems"** listed below during the Internal Medicine clerkship period.

THE EAR NOSE AND THROAT DISEASES CLERKSHIP- ***CLINICAL PROBLEM LEARNING LEVELS***	
LEARNING LEVELS	**CLINICAL PROBLEM**
In the clinical problems mentioned in the column next to; **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary**	1. Laryngeal obstruction 2. Facial paralysis 3. Foreign body related problems 4. Nose bleeding 5. Tracheotomy
In the clinical problems mentioned in the column next to; **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert**	6. Meniere's diseas 7. Head and neck tumors 8. Adenoid hypertrophy 9. Otosclerosis 10. Sleep-Apnea syndrome 11. Vestibular neuritis 12. Septum deviation

In the clinical problems mentioned in the column next to; **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures**	13. Perforation of the eardrum 14. Foreign body related problems 15. Sudden hearing loss 16. Facial paralysis 17. Salivary Gland Diseases
In the clinical problems mentioned in the column next to; **Be able to Diagnose and Treat (DT)**	18. Allergic rhinitis 19. Diphtheria 20. Mumps 21. Moniliyasis 22. Vehicle motion sickness 23. Upper respiratory infections 24. Benign paroxysmal positional vertigo 25. Otitis externa 26. Otitis media 27. Sinusitis
In the clinical problems mentioned in the column next to; **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)**	28. Allergic rhinitis 29. Diphtheria 30. Mumps 31. Moniliyasis 32. Otitis externa 33. Otitis media 34. Upper respiratory infections 35. Head and neck tumors

C. In terms of skill: It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the ear nose and throat dıseases Clerkship period.

EAR NOSE AND THROAT DISEASES CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	**BASIC MEDICINE APPLICATIONS**
Skills specified in the adjacent column; **Knows** how to practice and **explains** the results to patients and / or relatives **(LEARNING LEVEL 1)**	-------
Skills specified in the adjacent column; **In an emergency**, performs the application in accordance **with the guide / instruction (LEARNING LEVEL 2)**	-------
Skills specified in the adjacent column; performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application (LEARNING LEVEL 3)**	1. Head - neck and ENT examination 2. "Airway" application 3. Ability to put and take anterior nasal tampon 4. Opening a skin and soft tissue abscess 5. To be able to take a biological sample from the patient 6. Ability to remove the foreign body in the airway with the appropriate maneuver 7. To be able to apply Rinne - Weber and Schwabach tests 8. To be able to provide health education to the society 9. To be able to fight infectious diseases in the society 10. To be able to evaluate nystagmus examination and vestibular system 11. To be able to read and evaluate direct radiographs 12. To be able to evaluate audiological tests 13. To be able to apply Dix Hallpike test and Epley maneuver
Skills specified in the adjacent column; Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application** **(LEARNING LEVEL 4)**	14. To be able to take an anamnesis for general and disease 15. To evaluate mental state 16. Respiratory system examination 17. To be able to inform the patient, to get consent 18. Being able to prepare epicrisis 19. To prepare patient file 20. To be able to issue a recipe 21. To be able to prepare refusal of treatment document 22. Being able to apply the principles of working with biological material 23. To be able to provide decontamination, disinfection, sterilization, antisepsis. 24. Filling out the request form for laboratory examination 25. Ability to take the laboratory sample under appropriate conditions and deliver it to the laboratory. 26. Hand washing 27. To be able to apply oxygen and nebul - inhaler treatment 28. To be able to use rational laboratory and imaging method

D. In terms of Behavioral, Social and Humanities: It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the ear nose and throat dıseases clerkship period

EAR NOSE AND THROAT DISEASES CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	2. Addiction a. Alcohol b. Tobacco
	4. Work and health interaction a. Occupational diseases b. Work-related diseases f. Accidents at work
	Environment and health interaction b. Space and health e. Exposure to harmful environmental factors (air pollution, water pollution, chemicals, biocidal products, endocrine disrupter, wastes, etc.)
	13. Accidents a. Home accidents b. Traffic accidents c. Accidents at work
	25. Health conditions a. Nutrition b. Physical, mental activity and exercise c. Sedentary life k. Mouth-dental health
	1. Technology and health interaction d. Current diagnostic-treatment tools
	1. Professionalism in Medicine a. Social accountability b. Honesty, respect for privacy, truth telling, respect for privacy c. Professional values, professional identity development and historical perspective, being open to professional and individual development D. Professional domination / organization / autonomy to. Defending health and profession

E. In terms of Professionalism: Attitudes listed below are expected to be gained during the period of Internal Medicine clerkship

ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE EAR NOSE AND THROAT DISEASES CLERKSHIP
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine. 2. Rights-based health approach 3. Communication skills, communication in difficult situations, interpersonal relations and teamwork 4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine. 5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities. 6. Patient rights, physician responsibility, patient-physician relationship. 7. Problems and dilemmas for professionalism / ethics in health processes. 8. Legal problems in health processes. 9. Research and publication ethics. 10. Determinants of health, inequality in health, social gender and health. 11. Health systems, health policies. 12. Health economics and management. 13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.

4. SESSION V THE EAR NOSE AND THROAT DISEASES CLERKSHIP - WEEKLY COURSE PROGRAM

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	1. Week		
Monday	Information about internship	09.00-10.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Semiology	10.00-11.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Clinical practice in the patient	11.00-12.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Independent Working Hour	13.00-14.00	
	Clinic (Group 1) Outpatient Clinic (Group 2) S Block (Group 3)	14.00-17.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
Tuesday	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Case-Based Learning (CBL) Session 1	09.00-12.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Clinic (Group 1) Outpatient Clinic (Group 2) S Block (Group 3)	13.00-15.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Independent Working Hour	15.00-16.00	
	Tonsillopharyngeal Infections	16.00-17.00	Assist. Prof. Dr. O. Kuduban
Wednesday	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Acute and Chronic Otitis Media	09.00-10.00	Prof. Dr. M.S. SAKAT

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	Tinnitus	10.00-11.00	Prof. Dr. A. TATAR
	Independent Working Hour	11.00-12.00	
	Clinic (Group 1) Outpatient Clinic (Group 2) S Block (Group 3)	13.00-16.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Airway Obstruction and Tracheotomies	16.00-17.00	Assoc. Prof. Dr. Abdulkadir ŞAHİN
Thursday	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Clinic (Group 1) Outpatient Clinic (Group 2) S Block (Group 3)	09.00-12.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Clinic (Group 1) Outpatient Clinic (Group 2) S Block (Group 3)	13.00-15.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	ENT Medicine and Ethics	15.00-16.00	Prof. Dr. B. AKTAN
	Secretuar Otitis Media	16.00-17.00	Prof. Dr. Ö. YÖRÜK
Friday	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Ototoxicity	09:00-10:00	Assist. Prof. Dr. O. Kuduban
	Nasofarengeal Tumors	10.00-11.00	Prof. Dr. V. MUTLU
	Independent Working Hour	11.00-12.00	
	Deep Neck Infections	13.00-14.00	Prof. Dr. A. TATAR
	Clinic (Group 1) Outpatient Clinic (Group 2) S Block (Group 3)	14.00-17.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
Monday	**2. Week**		
	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Congenital Anomalies of Head-Neck	09.00-10.00	Prof. Dr. K. KILIÇ
	Epistaxis	10.00-11.00	Assist. Prof. Dr. O. Kuduban
	Clinic (Group 1) Outpatient Clinic (Group 2) S Block (Group 3)	10.00-12.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Independent Working Hour	13:00-14:00	
	Lip and Oral Cavity Cancers	14.00-15.00	Prof. Dr. Z. KAYA
	Clinic (Group 1) Outpatient Clinic (Group 2) S Block (Group 3)	15.00-17.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
Tuesday	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Fractures of Temporal Bone	09:00-10:00	Assoc. Prof. Dr. Abdulkadir ŞAHİN
	Case-Based Learning (CBL) Session 2	10.00-12.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Independent Working Hour	13:00-14:00	
	Audiology	14.00-15.00	Prof. Dr. V. MUTLU
	Meniere's Disease	15.00-16.00	Prof. Dr. B. AKTAN
	Clinic (Group 1) Outpatient Clinic (Group 2) S Block (Group 3)	16.00-17.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
Wednesday	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Management of Neck Masses	09.00-10.00	Prof. Dr. M.S. SAKAT
	Clinic (Group 1) Outpatient Clinic (Group 2) S Block (Group 3)	10:00-12:00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Independent Working Hour		
	Laryngeal Diseases	14.00-15.00	Prof. Dr. Ö. YÖRÜK
	Independent Working Hour	15.00-17.00	
Thursday	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Independent Working Hour	09.00-11.00	
	Sleep Apne Syndrome	11.00-12.00	Prof. Dr. Z. KAYA

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	Clinic (Group 1) Outpatient Clinic (Group 2) S Block (Group 3)	13.00-15.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Salivary Gland Diseases	15:00-16:00	Prof. Dr. B. AKTAN
	Independent Working Hour	16:00-17:00	
Friday	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Independent Working Hour	09.00-10.00	
	Otosclerosis	10.00-11.00	Prof. Dr. A. TATAR
	Rhinosinusitis	11.00-12.00	Prof. Dr. K. KILIÇ
	Clinic (Group 1) Outpatient Clinic (Group 2) S Block (Group 3)	13.00-17.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
Monday	**3. Week**		
	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Vertigo	09.00-10.00	Prof. Dr. K. KILIÇ
	Clinic (Group 1) Outpatient Clinic (Group 2) S Block (Group 3)	10:00-12:00	
	External Ear Diseases	13.00-14.00	Assoc. Prof. Dr. Abdulkadir Şahin
	Independent Working Hour	14:00-17:00	
Tuesday	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Independent Working Hour	09.00-10.00	
	Facial Nerve Diseases	10.00-11.00	Prof. Dr. Z. KAYA
	Clinic (Group 1) Outpatient Clinic (Group 2) S Block (Group 3)	11.00-12.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Independent Working Hour	13:00-14:00	
	Nasal Cavity and Paranasal Sinus Tumors	14.00-15.00	Prof. Dr. V. MUTLU
	Case-Based Learning (CBL) Session 3	15.00-17.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
Wednesday	Visit	08.00-09.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
	Hearing Loss	09.00-10.00	Prof. Dr. M.S. SAKAT
	Causes of Nasal Obstruction	10.00-11.00	Prof. Dr. Ö. YÖRÜK
	Independent Working Hour	11.00-12.00	
	Clinic (Group 1) Outpatient Clinic (Group 2) S Block (Group 3)	13.00-17.00	Dr. Aktan, Yörük, Tatar, Sakat, Mutlu, Kılıç, Kaya, Sahin, Kuduban will take task turns alternately
Thursday	Independent Working Hour	08.00-17.00	
Friday	Oral examination	09.30-12.00	ENT Department S Block
	Written examination	13.30-14.30	ENT Department Seminar Room
	Post-clerkship feedback meeting	15.00-17.00	ENT Department Seminar Room

5. SESSION V THE EAR NOSE AND THROAT DISEASES CLERKSHIP - MATCHING COURSES WITH LEARNING OBJECTIVES

MATCHING EAR NOSE AND THROAT DISEASES CLERKSHIP COURSES WITH LEARNING OBJECTIVES								
Code	**Lesson Topic**	**Teaching Staff**	**Theoretical lesson**	**Practical lesson**	**Symptoms / Conditions**	**Clinical problem**	**Basic Medical Practices**	**Behavioral, Social and Humanities**
KBB001	ENT Examination and Semiology		1	1	1, 3, 4, 9, 10, 11, 19, 20, 23, 26	Hepsi	1, 18, 20, 28	25k, 29d, 30a, 30b, 30c, 30d, 30e
KBB002	Nasopharyngeal Tumors	Prof. Dr. V. MUTLU	1		1, 9, 10, 11, 16, 17, 20, 22, 25	4, 7	1, 5, 16, 18, 19, 24, 28	2a, 2b, 5e, 25a, 25k, 29d
KBB003	Audiology	Prof. Dr. V. MUTLU	1		12, 16	6, 9, 11, 15	1, 7, 10, 12, 18, 19	4a, 4b, 5b, 29d, 30a, 30b, 30c, 30d, 30e
KBB004	Tonsillopharyngeal Infections	Prof. Dr. B. AKTAN	1		1, 3, 5, 8, 9, 13, 14, 15, 17, 18, 25, 27	8, 10, 19, 23	1, 5, 8, 9, 18, 19, 20, 24, 26, 28	2a, 2b, 4a, 4b, 5b, 25a, 25k, 30a, 30b, 30c, 30e
KBB005	Nasal and Paranasal Sinus Tumors	Prof. Dr. V. MUTLU	1		2, 10, 11, 14, 15, 22, 25	4, 7, 12, 18, 27	1, 5, 11, 14, 16, 18, 19, 20, 24, 28	2a, 2b, 4a, 4b, 5b, 5e, 29d
KBB006	Salivary Gland Diseases	Prof. Dr. B. AKTAN	1		1, 2, 5, 9, 20	2, 7, 16, 17, 20	1, 5, 8, 9, 11, 18, 19, 20, 21, 23, 24, 25, 28	2a, 2b, 5e, 25a, 25b, 25c, 25k, 29d, 30b, 30c
KBB007	Facial Nerve Diseases	Doç. Dr. Z. KAYA	1		19	2, 16, 20, 26, 33	1, 11, 12, 14, 15, 17, 18, 19, 20, 28	4f, 5b, 13a, 13b, 13c, 25b, 29d
KBB008	vertigo	Prof. Dr. M.S. SAKAT	1		7, 12	6, 11, 24, 33	1, 8, 10, 12, 13, 14, 15, 17, 18, 19, 20, 21	5b, 13a, 13b, 13c, 25a, 25b, 25c, 29d, 30c, 30d
KBB009	Lip and Oral Cavity Cancers	Prof. Dr. Z. KAYA	1		1, 3, 13, 14, 15, 17, 20, 25, 27	7, 10, 35	1, 2, 5, 8, 14, 16, 17, 18, 19, 20, 21, 26, 28	2a, 2b, 4a, 4b, 5b, 5e, 25k, 29d, 30a, 30b, 30c
KBB010	Outer Ear Diseases	Doç. Dr. M.S. GÖZELER	1		16, 19, 26	3, 25, 32	1, 5, 8, 18, 19, 20, 22, 23, 24, 25, 26	4a, 4b, 5b, 5e, 25b
KBB011	Acute and Chronic Otitis Media	Doç. Dr. K.KILIÇ	1		5, 7, 12, 16, 19	2, 13, 26, 33	1, 5, 8, 12, 14, 17,18, 19, 20, 22, 23, 24, 25, 26, 28	29d
KBB012	Meniere's Disease	Prof. Dr. B. AKTAN	1		7, 12, 16	6, 9, 11, 15, 24	1, 7, 10, 12, 14, 15, 17, 18, 19, 20, 21	25a, 25b, 29d, 30a, 30b, 30c, 30d, 30e
KBB013	Laryngeal Diseases	Prof. Dr. Ö. YÖRÜK	1		1, 4, 5, 8, 9, 13, 14, 17, 18, 20, 21, 23, 24, 25, 27	1, 5, 7, 10, 19, 21, 23, 35	1, 5, 8, 14, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 28	2a, 2b, 4a, 4b, 4e, 29d, 30b, 30c

KBB014	Obstructive Sleep Apnea Syndrome	Prof. Dr. Z. KAYA	1		4, 15	5, 8, 10, 14	1, 8, 11, 14, 16, 17, 18, 19, 20, 21	2a, 2b, 4f, 5b, 13a, 13b, 13c, 25a, 25b, 25c, 29d
KBB015	Acute and Chronic Sinusitis	Prof. Dr. M.S. SAKAT	1		1, 5, 6, 10, 21, 22, 25, 26	3, 4, 14, 27	1, 3, 5, 8, 11, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 28	5b, 29d
KBB016	ENT Emergencies-I	Op. Dr. Abdulkadir Şahin	1		4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 16, 18, 19, 24, 26, 27	1, 2, 3, 4, 5, 13, 14, 15, 16, 32, 33	Hepsi	4f, 5e, 13a, 13b, 13c, 29d, 30a, 30b, 30c, 30d, 30e
KBB017	Head-Neck Congenital Anomalies	Prof. Dr. M.S. SAKAT	1		4, 8, 9, 13, 14, 15, 17, 23, 24, 27	1, 2, 5, 7, 10, 19, 23	1, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28	5e, 29, d, 30a, 30b, 30c, 30d, 30e
KBB018	Deep Neck Infections	Doç. Dr. A.TATAR	1		5, 8, 9, 13, 14, 17, 20, 27	5, 7, 17, 19, 20, 23, 35	1, 4, 8, 9, 11, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28	4f, 5e, 13a, 13b, 13c, 25k, 29d
KBB019	otosclerosis	Prof. Dr. A.TATAR	1		16	9, 33	1, 7, 12, 14, 18, 19	29d
KBB020	ENT Emergencies-II	Op. Dr. Abdulkadir Şahin	1		4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 16, 18, 19, 24, 26, 27	1, 2, 3, 4, 5, 13, 14, 15, 16, 32, 33	Hepsi	4f, 5e, 13a, 13b, 13c, 29d, 30a, 30b, 30c, 30d, 30e
KBB021	Hearing Loss	Doç. Dr. K. KILIÇ	1		16, 17, 19	3, 6, 9, 13, 15, 20, 25, 26, 30, 32, 33	1, 7, 8, 9, 11, 12, 14, 17, 18, 19, 20	4a, 4b, 4f, 5b, 5e, 13a, 13b, 13c, 29d, 30a, 30b, 30c, 30d, 30e
KBB022	Approach to Head and Neck Masses	Doç. Dr. K. KILIÇ	1		5, 8, 9, 19, 20, 23, 24, 27	5, 7, 10, 23, 29, 30, 34, 35	1, 4, 5, 11, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28	25k, 29d, 30a, 30b, 30c, 30d, 30e
KBB023	Tinnitus	Prof. Dr. A.TATAR	1		7, 12, 16	6, 9, 33	1, 7, 8, 12, 14, 15, 18, 19, 20, 21	2a, 2b, 4a, 4b, 4f, 5b, 5e, 25a, 29d
KBB024	Causes of Nasal Obstruction	Prof. Dr. Ö. YÖRÜK	1		1, 2, 3, 6, 8, 10, 11, 14, 15, 17, 22	3, 4, 8, 10, 12, 18, 34	1, 3, 5, 6, 8, 11, 14, 16, 17, 18, 19, 2, 21, 22, 23, 24, 25, 26, 28	4a, 4b, 5b, 13a, 13b, 13c, 29d
KBB025	Secretary Otitis Media	Prof. Dr. Ö. YÖRÜK	1		16, 17	7, 8, 12, 18, 23, 32	1, 7, 11, 12, 14, 17, 18, 19, 20	2a, 2b, 29d

KBB026	Service Visit	ENT teachıng members						
KBB027	Polyclinic / Operating Room Applications	ENT teachıng members						
KBB028	Information about internship and Ethical and Professional Values meeting in Clinical Practices	Prof. Dr. B. AKTAN	1					
KBB029	Post-internship feedback meeting		1					

6. SESSION V THE EAR NOSE AND THROAT DISEASES CLERKSHIP - LEARNING METHODS

LEARNING METHODS OF INTERNAL MEDICINE CLERKSHIP PROGRAM
Learning Methods Related with Knowledge:
• Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences • On-the-job learning and assessment • Structured case discussion
Learning Methods Related with Medical practices:
• Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures • Interdisciplinary learning activities (meetings, panels, group discussions) • Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) • CBL (Case-based learning) • Independent learning
Learning Methods Related with Professionalism
• Critical situation discussionsı • Reflection sessions • Written visual texts readings and interpretations • Student development file (portfolio) application

7. SESSION V THE EAR NOSE AND THROAT DISEASES CLERKSHIP - "STUDENT TRAINEE REPORT"

The skills in the field of basic medicine practices expected in the Term V Trainee student are evaluated with the "Atatürk University Faculty of Medicine Trainee Report" which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION V EAR NOSE AND THROAT DISEASES CLERKSHIP STUDENT TRAINEE REPORT			
Name:……Surname:……. **Student Number:**		**Date::……/……/……**	
I- Basic Medicine Practices	**Learning Level****	**Number of Applications**	**Teaching Staff Approve (Date)**
A. Taking Anamnesis			
To be able to take general and problematic stories	**4**	**3***	
B. Physical Examination (General and Problem-Oriented)			
Head - neck and ENT examination	**3**	3*	
To be able to apply Rinne - Weber and Schwabach tests	**3**	3*	
To be able to interpret the results of screening and diagnostic purposes			
C. Registration, Reporting and Notification			
Writing prescriptions	**4**	3*	
Preparing a patient file	**4**	3	
D. Laboratory Tests and Other Related Processes			
Taking the laboratory sample under suitable conditions and sending it to the laboratory under suitable conditions	**4**	3	
Filling the request form for laboratory examination	**4**	3	
To be able to interpret the results of screening and diagnostic purposes	**3**	3*	
E. Interventional and Non-Interventional Applications			
Be able to put and receive anterior nasal packing	**3**	1*°	
Ability to remove the foreign body in the airway with the appropriate maneuver	**3**	1°	
To be able to apply oxygen and nebul - inhaler treatment	**4**	2°	
Removal of the plugs and foreign bodies in the outer ear canal by appropriate intervention	**3**	1°	
I-Total Basic Medicine Practice score (out of 5 point)			
II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers) **Total Professionalism score (out of 5 point)**			
III- Clinical Problem Solving (out of 5) (Given from the performance shown in **Case Based Learning sessions)**			
TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)			
Teaching Staff **Date and Sign**		**Head of Department** **Date and Sign**	

***** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

****Learning Level****

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.

*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.

8. SESSION V THE EAR NOSE AND THROAT DISEASES CLERKSHIP - ASSESSMENT AND EVALUATION METHODS

ASSESSMENT AND EVALUATION METHODS IN EAR NOSE AND THROAT DISEASES CLERKSHIP
RACTICAL-ORAL EXAMINATION
• **Trainee Report:** Total contribution to the Practical-Oral Examination (15%) ➢ **Basic Medicine Practices** (5 %). ➢ **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%). ➢ **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5) • **Practical Exam:** It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%) • **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %) • Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. • Students who fail the practical-oral examination, take the make-up exam. • Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam.
THEORETICAL EXAM
• It consists of a total of 40 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) • Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. • Students who fail the theoretical examination, take the make-up exam.
SUCCESS GRADE
• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.
MAKE-UP EXAM
• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.

SESSION V INFECTION DISEASES CLERKSHIP GUIDE

Code	MED503	**Type**	Compulsory/Elective
Period	8 weeks	**ECTS**	12

INFECTION DISEASES CLERKSHIP- Prerequisite Courses	
1	Taken the pre-clinical courses
2	Taken courses in the relevant committee (s) in session 3

REFERENCES (RESOURCE BOOK - OTHERS)	
1.	Infectious Diseases Book
2.	Infectious Diseases and Microbiology Book
3.	Internal Diseases Semiology Book
4.	UptoDate

INFECTION DISEASES CLERKSHIP- RULES FOR STUDENTS	
1	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
2	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
3	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
4	Students are obliged to keep the **"Ataturk University Faculty of Medicine Trainee Report"** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
5	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
6	**In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in "Atatürk University Faculty of Medicine Teaching and Exam Application Principles".
7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at "http://anket.atauni.edu.tr". The participation link to the survey will be sent to the students by the dean's management.

1. SESSION V INFECTION DISEASES CLERKSHIP- OBJECTIVE OF THE PROGRAM

OBJECTIVE OF THE INFECTION DISEASES CLERKSHIP PROGRAM	
1.	To be able to make a preliminary diagnosis and diagnosis of important and common infectious diseases by considering the learning objectives specified in the core education program at the end of the infectious diseases internship.
2.	To be able to perform emergency treatment by identifying emergency situations (sepsis, meningitis, etc.) for infectious diseases and to provide referral when necessary.
3.	To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria
4.	To be able to provide referral when necessary after emergency intervention and treatment
5.	Comprehend the importance of establishing a good patient-physician and physician-physician communication and develop their skills.
6.	To gain the knowledge, skills and professionalism characteristics determined for the internship.
7.	To gain ability to interpret biological and serological markers in infectious diseases and evaluate routine laboratory results.

2. SESSION V INFECTION DISEASES CLERKSHIP - LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
Contribution levels	5	3	5	3	4	5	4	5	2	4	4	4	3	2	3	2	4	4	2	2
Program Qualifications	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**								
Contribution levels	3	3	3	2	4	2	2	4		3	3	3								

Contribution levels: *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

3. SESSION V INFECTION DISEASES CLERKSHIP - LEARNING OBJECTIVES

A. Frequent reasons for application: Competence is expected in terms of Clinical Symptoms / Signs / Status during the Infection Diseases clerkship period

INFECTION DISEASES CLERKSHIP- *LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS*					
1	Fever	12	Diarrhea	23	Colic pains (renal, biliary, intestinal)
2	Dizziness	13	Dysuria	24	lymphadenopathy
3	Headache	14	Joint pain / swelling	25	Petechia, purpura, ecchymosis

4	consciousness changes	15	Movement restriction in joints	26	Pollacuria / Nocturia hepatomegaly
5	Throat ache	16	Weakness	27	Jaundice
6	Mass on the neck	17	hematuria	28	Splenomegaly
7	Nausea and vomiting	18	hepatomegaly Colic pains (renal, biliary, intestinal)	29	Tetani
8	Runny nose / congestion	19	Hypothermia /Hyperthermia	30	Flank pain
9	Nose bleeding	20	Abdominal pain tetany	31	ptosis
10	Double vision	21	Musculoskeletal pain (waist, neck, back, hip and limb pain)		
11	Skin rashes / lesions (maculopapular, bullous, vesicular)	22	Weight loss		

B. In terms of knowledge: It is expected to have knowledge at the levels determined in the **"Diseases / Clinical Problems"** listed below during the Infection Diseases clerkship period.

INFECTION DISEASES CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*	
LEARNING LEVELS	**CLINICAL PROBLEM**
In the clinical problems mentioned in the column next to; **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary**	3. Food Poisoning 5. Dehydration 8. Gastroenteritis 11. Central nervous system infections 13. Crimean Congo hemorrhagic fever 17. Sepsis 19. Tetanus
In the clinical problems mentioned in the column next to; **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert**	18. Malaria 16. Anthrax 15. Rabies 14. Chronic hepatitis 1. HIV infection
In the clinical problems mentioned in the column next to; **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct**	2. Acute hepatitis 19. Tetanus 13. Crimean Congo hemorrhagic fever

the specialist by making the necessary preliminary procedures	
In the clinical problems mentioned in the column next to; **Be able to Diagnose and Treat (DT)**	21. Upper respiratory infections 20. Urinary system infections 8. Gastroenteritis 7. Rash rash infectious diseases 6. Skin soft tissue infections, abscesses 5. Dehydration 4. Brucellosis 9. Gastrointestinal system parasitoses 10. Influenza
In the clinical problems mentioned in the column next to; **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)**	21. Upper respiratory infections 1. HIV infection 3. Food poisoning 4. Brucellosis 5. Dehydration 6. Skin soft tissue infections, abscesses 7. Rash rash infectious diseases 8. Gastroenteritis 9. Gastrointestinal system parasitoses 10. Influenza 13. Crimean Congo hemorrhagic fever 14. Chronic hepatitis 15. Rabies 16. Anthrax 18. Malaria 21. Upper respiratory infections
In the clinical problems mentioned in the column next to; **be able to follow up (F) in necessary cases**	-

C. In terms of skill: It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Infection Diseases clerkship period.

INFECTION DISEASES CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	**BASIC MEDICINE APPLICATIONS**
Skills specified in the adjacent column; **Knows** how to practice and **explains** the results to patients and / or relatives **(LEARNING LEVEL 1)**	16.Ability to perform lumbar puncture
Skills specified in the adjacent column; **In an emergency**, performs the application in accordance **with the guide / instruction** **(LEARNING LEVEL 2)**	-----
Skills specified in the adjacent column; performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application** **(LEARNING LEVEL 3)**	3. Head-neck and ENT examination 11. To interpret the results of screening and diagnostic purposes 15. Removal of ticks Combating communicable diseases in society 19. Being able to apply the principles of evidence-based medicine in the clinical decision making process. 20. Immunity in childhood and adults immunization
Skills specified in the adjacent column; Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application** **(LEARNING LEVEL 4)**	1. To be able to take general and problematic stories 2. To be able to evaluate mental state 3. Head-neck and ENT examination 4. Abdominal examination 5. Skin examination 6. General situation and evaluation of vital signs 7. To prepare patient file

	8. Reporting and reporting legally notifiable diseases and conditions 9. To be able to prepare a recipe 10. Filling the request form for laboratory examination 11. To interpret the results of screening and diagnostic purposes 12. Rational drug use 13. Hand washing 14. To be able to request rational laboratory and imaging examination

D. In terms of Behavioral, Social and Humanities: It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the Infection Diseases period

INFECTION DISEASES CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	1. Combating infectious diseases in the community

E. In terms of Professionalism: Attitudes listed below are expected to be gained during the period of Infection Diseases clerkship

ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE INFECTION DISEASES CLERKSHIP
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine. 2. Rights-based health approach 3. Communication skills, communication in difficult situations, interpersonal relations and teamwork 4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine. 5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities. 6. Patient rights, physician responsibility, patient-physician relationship. 7. Problems and dilemmas for professionalism / ethics in health processes. 8. Legal problems in health processes.

9. Research and publication ethics.

10. Determinants of health, inequality in health, social gender and health.

11. Health systems, health policies.

12. Health economics and management.

13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.

14. Work culture in coordination with other members of the team and disciplines

15. Being able to share their knowledge and professional experience with other members of the team,

4. SESSION V INFECTION DISEASES CLERKSHIP - WEEKLY COURSE PROGRAM

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	1. Week		
Monday	Visit	08.00-09.00	
	Laboratory diagnosis in infectious diseases	09.00-10.00	Assoc. Prof. Handan Alay
	Transmission and prevention of infectious diseases	10.15-11.15	Prof. Dr. Ayşe Albayrak
	Approach to the patient with fever and fever of unknown cause	13.30-14.30	Assoc. Prof. Fatma Kesmez Can
	Independent Working Hour	15.45-17.00	
Tuesday	Visit	08.00-09.00	
	Approach to the patient with lymphadenopathy (Practical)	09.00-10.00	Assoc. Prof. Fatma Kesmez Can
	Visit and bedside training	10.30-12.00	Service Responsible Faculty Member
	Seminar time	13.00-13.30	
	Hepatitis (1)	13.30-14.30	Assoc. Prof. Handan Alay
	Hepatitis (2)	14.45-15.45	Assoc. Prof. Handan Alay
	Independent Working Hour	15.45-17.00	
Wednesday	Visit	08.00-09.00	
	Upper Respiratory Tract Infections and COVID-19	09.00-10.15	Prof. Dr. Ayşe Albayrak
	Visit and bedside training	10.30-12.00	Service Responsible Faculty Member
	Meningitis and Meningoencephalitis 1	13.30-14.30	Assoc. Prof. Fatma Kesmez Can
	Meningitis and Meningoencephalitis 2	14.45-15.45	Assoc. Prof. Fatma Kesmez Can
	Independent Working Hour	15.45-17.00	
Thursday	Visit	08.00-09.00	
	Principles of Antibiotic Use	09.00-10.15	Prof. Dr. Zülal Özkurt
	Visit and bedside training	10.30-12.00	Service Responsible Faculty Member
	Rabies-1	13.30-14.30	Prof. Dr. Ayşe Albayrak
	Rabies-2	14.45-15.45	Prof. Dr. Ayşe Albayrak
	Independent Working Hour	15.45-17.00	
Friday	Visit	08.00-09.00	
	Urinary System Infections	09.00-10.00	Prof. Dr. Kemalettin Özden
	Case-Based Learning (CBL) Session 1	10.15-11.15	CBL Responsible Faculty Member
	Visit and bedside training	11.20-12.00	Service Responsible Faculty Member
	Crimean Congo Haemorrhagic Fever	13.30-14.30	Prof. Dr. Zülal Özkurt
	Independent Working Hour	14.45-15.45	
Monday	**2. Week**		
	Visit	08.00-09.00	
	Dysentery	09.00-10.00	Prof. Dr. Ayşe Albayrak
	Visit and bedside training	10.30-12.00	Service Responsible Faculty Member
	Food Poisoning and Salmonella Infections-1	13.30-14.30	Prof. Dr. Zülal Özkurt
	Food Poisoning and Salmonella Infections-2	14.45-15.45	Prof. Dr. Zülal Özkurt

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	Independent Working Hour	15.45-17.00	
Tuesday	Visit	08.00-09.00	
	Tetanus	09.00-10.00	Prof. Dr. Kemalettin Özden
	Visit and bedside training	10.30-12.00	Service Responsible Faculty Member
	Seminar time	13.00-13.30	
	AIDS (HIV infections)-1	13.30-14.30	Assoc. Prof. Fatma Kesmez Can
	AIDS (HIV infections)-2	14.45-15.45	Assoc. Prof. Fatma Kesmez Can
	Independent Working Hour	15.45-17.00	
Wednesday	Visit	08.00-09.00	
	Intestinal Parasites	09.00-10.00	Prof. Dr. Zülal Özkurt
	Visit and bedside training	10.30-12.00	Service Responsible Faculty Member
	Adult immunisation and prophylaxis	13.30-14.30	Prof. Dr. Ayşe Albayrak
	Independent Working Hour	14.45-15.45	
Thursday	Visit	08.00-09.00	
	Abdominal examination (Practical)	09.00-10.00	Assoc. Prof. Handan Alay
	Visit and bedside training	10.30-12.00	Service Responsible Faculty Member
	Brucellosis	13.30-14.30	Prof. Dr. Kemalettin Özden
	Independent Working Hour	14.45-15.45	
Friday	Visit	08.00-09.00	
	Malaria	09.00-10.00	Assoc. Prof. Fatma Kesmez Can
	Visit and bedside training	10.30-12.00	Service Responsible Faculty Member
	Case-Based Learning (CBL) Session 2	13.30-14.30	CBL Responsible Faculty Member
	Independent Working Hour	14.45-15.45	
Monday	**3. Week**		
	Visit	08.00-09.00	
	Sepsis-1	09.00-10.00	Assoc. Prof. Handan Alay
	Sepsis-2	10.15-11.15	Assoc. Prof. Handan Alay
	Visit and bedside training	11.20-12.00	Service Responsible Faculty Member
	Viral shedding. Inf. Diseases, mumps -1	13.30-14.30	Prof. Dr. Kemalettin Özden
	Viral shedding. Inf. Diseases, mumps -2	14.45-15.45	Prof. Dr. Kemalettin Özden
	Independent Working Hour	15.45-17.00	
Tuesday	Visit	08.00-09.00	
	Diabetic foot infections	09.00-10.00	Prof. Dr. Kemalettin Özden
	Visit and bedside training	10.30-12.00	Service Responsible Faculty Member
	Seminar time	13.00-13.30	
	Anthrax and tularemia and biological warfare-1	13.30-14.30	Prof. Dr. Zülal Özkurt
	Anthrax and tularemia and biological warfare-2	14.45-15.45	Prof. Dr. Zülal Özkurt
	Independent Working Hour	15.45-17.00	
Wednesday	Visit	08.00-09.00	
	The importance of hospital infections and prevention	09.00-10.00	Prof. Dr. Ayşe Albayrak
	Visit and bedside training	10.30-12.00	Service Responsible Faculty Member
	Approach to the Patient with Diarrhoea and Dehydration Treatment	13.30-14.30	Assoc. Prof. Handan Alay
	Independent Working Hour	14.45-15.45	
Thursday	Visit	08.00-09.00	
	Case-Based Learning (CBL) Session 3	09.00-10.00	CBL Responsible Faculty Member
	Visit and bedside training	10.30-12.00	Service Responsible Faculty Member
		13.30-14.30	
Friday	End of Internship Practical Exam	09.00-10.00	
	End of Internship Theoretical Exam	13.30-14.30	
	Post-internship Feedback Meeting		

Note: Classes will be held between 09.00 – 10.00 in the morning and 13.30 – 15.45 in the afternoon. Other hours, bedside training and practical applications are applied alternately by the faculty members in the department.

5. SESSION V INFECTION DISEASES CLERKSHIP - MATCHING COURSES WITH LEARNING OBJECTIVES

MATCHING INTERNAL MEDICINE CLERKSHIP COURSES WITH LEARNING OBJECTIVES								
Code	**Lesson Topic**	**Teaching Staff**	**Theoretical lesson**	**Practical lesson**	**Symptoms / Conditions**	**Clinical problem**	**Basic Medical Practices**	**Behavioral, Social and Humanities**
EH001	Enf.Hastalıklarına genel bakış ve bulaşma yolları	**Fatma Can**	1		1,8,9,11,12,27,	1,2,4,7,10,12,13,14,15,16,18,21	1,6,13,17,18	
EH002	Ateş, nedeni bilinmeyen ateş ve ateşli hastaya yaklaşım	Emine Parlak	1		1,2,3,4,11,14,15,19,30	1,4,7,10,17	1,2,6	
EH003	Üst Solunum Yolu Enfeksiyonları	Ayşe Albayrak	1		1,3,8,14,21	10,21	1,2,3,6,7,9,11,20	1
EH004	Enfeksiyon hastalıklarında laboratuvar tanı	Handan Alay	1		1,4,17,23,27,30	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21	19,20,10,11	
EH005	Sepsis	Handan Alay	2		1,4,23,25,30	17	1,2,3,4,5,6,7,12,19	
EH006	Hepatitler	Mehmet parlak	2		7,16,27	2,14	17,19	
EH007	Baş-boyun muayenesi	Fatma Can		1	1,6,24	7,10,12,13,21	3	
EH008	Lenfadenopatili hastaya yaklaşım	Fatma Can		1	1,6,24	1,4,13	3	
EH009	Viral dök. Enf. Hastalıkları, kabakulak	Kemalettin Özden	2		1,11,25	7	5	1
EH010	Kuduz	Ayşe Albayrak	2		19,4	15	1,8,19,20	1
EH011	Döküntülü hastaya yaklaşım	Ayşe Albayrak		1	1,11,25	7	5	1
EH012	Antibiyotik Kullanma Prensibleri	Mehmet Parlak	1		4,13,17,23,30	3,4,8,9,11,16,17,20,21	9	
EH013	Dizanteriler	Ayşe Albayrak	1		1,12,23	5,8	4,6,9	1
EH014	Tifo ve Paratifolar	Zülal Özkurt	1		1,12,18,28		4,6	
EH015	Hastane Enfeksiyonlarının Önemi ve Önlenmesi	Ayşe Albayrak	1				13,17	
EH016	Ishalli hastaya yaklaşım ve Dehidratasyon Tedavisi	Handan Alay	1		1,7,12,20,23,	5,8	1,2,6,14,9	

EH017	Barsak Parazitleri	Zülal Özkurt	1		12,20	9	9	
EH018	Besin Zehirlenmeleri	Zülal Özkurt	1		1,32,3,7,12,20	3	1,2,6,14,9	1
EH019	Batın muayenesi	Fatma Can		1	1,32,3,7,12,20	2,14	4	
EH020	Anamnez alma prensipleri	Emine Parlak		1	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21	1,2,6	
EH021	Üriner Sistem Enfeksiyonları	Kemalettin Özden	1		1,13,17,23,26,30	20,	1,6,9,12	
EH022	AIDS (HIV enfeksiyonları)	Emine Parlak	2		1,2416	1	311,14,18	1
EH023	Menenjitli hastaya yaklaşım	Handan Alay		1	1,2,3,4,10,	11	1,2,3,6,7,12,16	
EH024	Ikterli hastaya yaklaşım	Kemalettin Özden	1		27	2,14	1,6,11,17	
EH025	Kırım Kongo Hemorajik Ateşi	Zülal Özkurt	1	1	1,2,3,5,7,8,9,11,12,16,17,20,21,25	13	1,6,11,17	1
EH026	Sıtma	Fatma Can	1		1,12,20,25	18	1,6,11,17	1
EH027	Diyabetik ayak enfeksiyonları	Emine Parlak	1		11	6	1,6,7,10,11	
EH028	Tetanoz	Kemalettin Özden	1		29	19	1,3,6,20	
EH029	Şarbon ve tularemi ve biyolojik savaş	Zülal Özkurt	2		11	16	1,6,14,17,18	1
EH030	Menenjit Ve Menengoensefalitler	Mehmet Parlak	2		1,2,3,4,10	11	1,2,3,6,7,9,10,11,12,14,16,19	
EH031	Kemoprofilaksi ve immunoproflaksi	Mehmet Parlak	1		1,4,11,30	10,11,19	20	
EH032	Bruselloz	Kemalettin Özden	1		1,14,15,2118,28	4	1,4,9	1
EH033	Servis Viziti	Servis sorumlu öğretim üyesi		28				
EH034	Staj amaç ve hedeflerinin bildirilmesi toplantısı	Pdö sorumlu öğretim üyesi	1					
EH035	Staj sonrası geribildirim toplantısı	Pdö sorumlu öğretim üyesi	1					

6. SESSION V INFECTION DISEASES CLERKSHIP - LEARNING METHODS

LEARNING METHODS OF INFECTION DISEASES CLERKSHIP PROGRAM
Learning Methods Related with Knowledge:
• Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences • On-the-job learning and assessment • Structured case discussion
Learning Methods Related with Medical practices:
• Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures • Interdisciplinary learning activities (meetings, panels, group discussions) • Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) • CBL (Case-based learning) • Independent learning
Learning Methods Related with Professionalism
• Critical situation discussionsı • Written visual texts readings and interpretations

7. SESSION V INFECTION DISEASES CLERKSHIP - "STUDENT TRAINEE REPORT"

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the "Atatürk University Faculty of Medicine Trainee Report" which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION V INFECTION DISEASES CLERKSHIP STUDENT TRAINEE REPORT			
Name:……Surname:……. **Student Number:**		**Date::…../……/……**	
I- Basic Medicine Practices	**Learning Level****	**Number of Applications**	**Teaching Staff Approve (Date)**
A. Taking Anamnesis			
To be able to take general and problematic stories	**4**	**3***	
To evaluate the mental situation	**4**	**3**	
B. Physical Examination (General and Problem-Oriented)			
Head - neck and ENT examination	**3**	3*	
Abdominal examination	**4**	3*	
Skin examination	**4**	3	
Evaluation of general condition and vital signs	**4**		
C. Registration, Reporting and Notification			
Writing prescriptions	**4**	3*	
Preparing a patient file	**4**	3	
D. Laboratory Tests and Other Related Processes			
Filling the request form for laboratory examination	**4**	3	
To be able to interpret the results of screening and diagnostic purposes	**3**	3*	
E. Interventional and Non-Interventional Applications			
Using medicine with care	**4**	3*	
Hand washing	**4**	3	
Ability to request rational laboratory and imaging examination	**4**	3	
Tick removal	**3**	1	
Ability to perform lumbar puncture	**1**	1	
F. Preventive Medicine and Community Medicine Practices			
Taking measures to prevent infections in public areas	**4**	3	
To be able to fight infectious diseases in the society	**3**	3	
G. Scientific research principles and practices			
To be able to apply the principles of evidence-based medicine in the clinical decision making process	**3**	3	
H. Health			
Bağışıklama-çocukluk çağı ve erişkinlerde	**4**	3	
I-Total Basic Medicine Practice score (out of 5 point)			
II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers) **Total Professionalism score (out of 5 point)**			
III- Clinical Problem Solving (out of 5) (Given from the performance shown in **Case Based Learning sessions)**			
TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)			

***** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

****Learning Level****

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.

*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.

8. SESSION V INFECTION DISEASES CLERKSHIP - ASSESSMENT AND EVALUATION METHODS

ASSESSMENT AND EVALUATION METHODS IN INFECTION DISEASES CLERKSHIP

RACTICAL-ORAL EXAMINATION

- **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)
  - **Basic Medicine Practices** (5 %).
  - **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).
  - **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5)
- **Practical Exam:** It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%)
- **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %)
- Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.
- Students who fail the practical-oral examination, take the make-up exam.
- Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam.

THEORETICAL EXAM

- It consists of a total of 5 written and 30 multiple choice questions (evaluating clinical information and clinical decision)
- Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful.
- Students who fail the theoretical examination, take the make-up exam.

SUCCESS GRADE

- Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.

MAKE-UP EXAM

- If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.

SESSION V ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP GUIDE

Code	MED510
Period	3 weeks

Type	Compulsory
ECTS	5

ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP- Prerequisite Courses	
1	Taken the pre-clinical courses
2	Taken courses in the relevant committee (s) in session 3

REFERENCES (RESOURCE BOOK - OTHERS)	
1.	*Ortopedi ve Travmatoloji* Istanbul Tıp Fakültesi 185. Yıl Ders Kitapları Serisi Yazar : Proff. Cengiz Şen, Proff. Mehmet Çakmak, Proff. Irfan Öztürk Nobel Tıp Kitabevi
2.	*Ortopedi Notları Klinik Muayene Rehberi* Yazar : Dawn Gulick Çeviri Editörü: Proff. Uğur Şaylı, Yrd. Doç. Dr. Hakan Atalar Güneş Tıp Kitabevi
3.	*Ortopedik Alçı ve Atel Uygulamaları* Yazar : Hasan Hüseyin Ceylan Güneş Tıp Kitabevi

ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP- RULES FOR STUDENTS	
1	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
2	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
3	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
4	Students are obliged to keep the **"Ataturk University Faculty of Medicine Trainee Report"** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
5	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
6	**In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in "Atatürk University Faculty of Medicine Teaching and Exam Application Principles".
7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at "http://anket.atauni.edu.tr". The participation link to the survey will be sent to the students by the dean's management.

1. SESSION V ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP - OBJECTIVE OF THE PROGRAM

OBJECTIVE OF THE ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP PROGRAM	
1.	To be able to make a preliminary diagnosis and diagnosis of important, common internal diseases by considering the learning objectives specified in the core training program at the end of the internal medicine internship.
2.	To be able to perform emergency treatment for internal diseases by defining emergencies (diabetic ketoacidosis, nonketotic hyperosmolar coma, adrenal insufficiency, hypercalcemia, hypocalcemia, oncological emergencies, hyperpotasemia, poisoning, kidney failure, shock, gastrointestinal bleeding)
3.	To be able to create and apply treatment plan in necessary clinical situations within the scope

	of education level criteria.
4.	To be able to provide referral when necessary after emergency intervention and treatment.
5.	Comprehend the importance of establishing a good patient-physician and physician-physician communication and develop their skills.
6.	To gain the knowledge, skills and professionalism characteristics determined for the internship.

2. SESSION V ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP - LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
Contribution levels	5	2	3	2	2	4	4	1	1	3	3	3	4	1	2	1	1	4	2	3
Program Qualifications	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**								
Contribution levels	4	2	3	1	2	2	2	3	3	2	2	2								

Contribution levels: *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

3. SESSION V ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP - LEARNING OBJECTIVES

A. Frequent reasons for application: Competence is expected in terms of Clinical Symptoms / Signs / Status during the Orthopedıcs And Traumatology clerkship period

ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP- ***LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS***			
1.	Low back and back pain	5.	Muscle weakness
2.	Neck pain	6.	Musculoskeletal pain (extremity and soft tissue)
3.	Joint pain / swelling	7.	Cramp
4.	Limitation of movement		

B. In terms of knowledge: It is expected to have knowledge at the levels determined in the **"Diseases / Clinical Problems"** listed below during the Internal Medicine clerkship period.

ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP- ***CLINICAL PROBLEM LEARNING LEVELS***	
LEARNING LEVELS	**CLINICAL PROBLEM**
In the clinical problems mentioned in the column next to; **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary**	58.Crush Injury 60. Dislocation 80.Disc Hernia 89.Congenital structural anomalies 94. Limb trauma / fractures 114. Gas Gangrene 117. Developmental hip dysplasia (hip dislocation) 180. Bone tumors 190. Compartment Syndrome 212. Mechanical back pain 233. Spine Deformities 237. Osteoarthritis 238 Osteomyelitis 262.Poliomyelitis 297.Shock 298.Tenosynovitis
In the clinical problems mentioned in the column next to;	114. Gas Gangrene 117. Developmental hip dysplasia (hip dislocation) 180. Bone tumors

Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert	190. Compartment Syndrome 233. Spine Deformities 237. Osteoarthritis 238. Osteomyelitis 62. Poliomyelitis
In the clinical problems mentioned in the column next to; **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures**	58.Crush Injury 60. Dislocation 297.Shock 98.Tenosynovitis
In the clinical problems mentioned in the column next to; **Be able to Diagnose and Treat (DT)**	297.Shock 12. Mechanical back pain
In the clinical problems mentioned in the column next to; **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)**	80.Disc Hernia 17. Developmental hip dysplasia (hip dislocation)
In the clinical problems mentioned in the column next to; **be able to follow up (F) in necessary cases**	237. Osteoarthritis 98. Tenosynovitis

C. In terms of skill: It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Orthopedics And Traumatology clerkship period.

ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	**BASIC MEDICINE APPLICATIONS**
Skills specified in the adjacent column; **Knows** how to practice and **explains** the results to patients and / or relatives **(LEARNING LEVEL 1)**	C.4.Ability to consult on disability report E.16 Ability to open skin-soft tissue abscess
Skills specified in the adjacent column; **In an emergency**, performs the application in accordance **with the guide / instruction** **(LEARNING LEVEL 2)**	D.18. To be able to interpret the results of screening and diagnostic examinations E.5. To be able to request rational laboratory and imaging examination E.65. Ability to carry the severed limb after trauma properly

Skills specified in the adjacent column; Makes the preliminary assessment/ evaluation of uncomplicated, frequent, situations / cases, creates the necessary plans, informs the patients and their relatives and makes the application **(LEARNING LEVEL 3)**	C.5. To prepare an epicrisis D.4. Evaluating direct radiographs E.6 Arterial blood gas collection E.44. To take example for culture
Skills specified in the adjacent column; Makes the preliminary assessment / evaluation of the application, including complex situations / cases, creates the necessary plans and informs the patients and their relatives and makes the application. **LEARNING LEVEL 4)**	A.1. Taking a general and problem-oriented story B.1.Forensic case examination B.2.Anthropometric measurements B.14.Musculoskeletal system examination C.3. Clarification and consent C.9. Arrangement of prescriptions E.7. Ability to prepare and apply a splint E.9. Ability to apply bandage, tourniquet E.29. To be able to take biological samples from the patient E.30 Ability to ensure proper transportation of the patient E.59. Ability to apply a cervical collar E.68.Ability to care for wounds and burns E.70. Ability to take and take superficial sutures

D. In terms of Behavioral, Social and Humanities: It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the Orthopedics And Traumatology clerkship period

ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	2.Work and health interaction c. The effect of illness on work and return to work after illness (rehabilitation) f. work accidents
	6.Child neglect and abuse a. Abuse (physical, emotional, sexual)
	8.Difficulties in physician-patient interaction compatibility / rejection of preventive and therapeutic practices (e.g. vaccine)
	10. Legal and ethical issues a. Professional duties and obligations
	13. Accidents a.home accidents b.Traffic accidents c.work accidents d. Nuclear and industrial accidents
	17. Unusual circumstances / disasters b. Natural disasters c. Unusual circumstances (civil actions, terrorism, conflict, wars, mass injuries, etc.)

E. In terms of Professionalism: Attitudes listed below are expected to be gained during the period of Orthopedics And Traumatology clerkship

ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine. 2. Rights-based health approach 3. Communication skills, communication in difficult situations, interpersonal relations and teamwork 4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine. 5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities. 6. Patient rights, physician responsibility, patient-physician relationship. 7. Problems and dilemmas for professionalism / ethics in health processes. 8. Legal problems in health processes. 9. Research and publication ethics. 10. Determinants of health, inequality in health, social gender and health. 11. Health systems, health policies. 12. Health economics and management. 13. Reflective thinking and practice, continuous individual and professional development, education and consultancy. 14. Work culture in coordination with other members of the team and disciplines 15. Being able to share their knowledge and professional experience with other members of the team,

4. SESSION V ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP - WEEKLY COURSE PROGRAM

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	1. Week		
Monday	Information about Internship and Ethical and Professional Values in Clinical Practice	08:00-09.00	Proff. Orhan KARSAN
	Orthopedic examitaion of a patient-1	09.15-10.15	Proff. Ali AYDIN
	Orthopedic examitaion of a patient-2	10.30-11.30	Proff. Ali AYDIN
	Orthopedic terminology	13.00-14.00	Asst. Prof. Ahmet Emre PAKSOY
	Musculoskeletal Anatomy Overwiev-1	14.15-15.15	Asst. Prof. Muhammed Çağatay ENGİN
	Musculoskeletal Anatomy Overwiev-2	15.30-16.30	Asst. Prof. Muhammed Çağatay ENGİN
Tuesday	Polio and cerebral palsy	08.30-09.30	Asst. Prof. Ahmet Emre PAKSOY
	Orthopedic radiological evaluation-1	09.45-10.45	Asst. Prof. Ahmet Emre PAKSOY
	Orthopedic radiological evaluation-2	11.00-12.00	Asst. Prof. Ahmet Emre PAKSOY
	Orthopedic radiological evaluation-3	13.30-14.30	Asst. Prof. Ahmet Emre PAKSOY
	Open fractures	14.45-15.45	Proff. Naci EZİRMİK
Wednesday	Wound Care	08.30-09.30	Proff. Naci EZİRMİK
	Fat embolism	09:45-10.45	Proff. Naci EZİRMİK
	Elective / Freelance Work	13.30-17.00	
Thursday	Spondyloarthropathy and spinal disc herniation	08.30-09.30	Asst. Prof. Naci EZİRMİK
	Torticollis	09.45-10.45	Asst. Prof. Naci EZİRMİK
	Case-Based Learning (CBL) Session 1	10.30-12.00	Proff. Orhan KARSAN
	Case-Based Learning (CBL) Session 2	13.30-14.30	Proff. Ömer Selim YILDIRIM
	Case-Based Learning (CBL) Session 3	14.30-16.00	Proff. Naci EZİRMİK
Friday	Plaster, Splint and Traction-1	08.30-09.30	Proff. Ömer Selim YILDIRIM
	Plaster, Splint and Traction-2	09:45-10.45	Proff. Ömer Selim YILDIRIM
	Joint Dislocations and Treatment-1	13.30-14.30	Asst. Prof. Muhammed Çağatay ENGİN
	Joint Dislocations and Treatment-2	14.45-15.45	Asst. Prof. Muhammed Çağatay ENGİN
	2. Week		
Monday	Talipes Equinovarus and other congenital foot deformities-1	08:30-09.30	Proff. Ali AYDIN
	Talipes Equinovarus and other congenital foot deformities-2	09.45-10.45	Proff. Ali AYDIN
	Osteomyelitis and Septic Arthritis	11.00-12.00	Proff. Orhan KARSAN
	Traumatic Shock	13.30-14.30	Asst. Prof. Muhammed Çağatay ENGİN

Days	Subject of The Lesson	Lesson Time	Teaching Staff
Tuesday	Spine Injuries	08.30-09.30	Proff. Ali AYDIN
	First aid in musculoskeletal injuries, ambulation of the patient -1	09.45-10.45	Proff. Orhan KARSAN
	First aid in musculoskeletal injuries, ambulation of the patient-2	11.00-12.00	Proff. Orhan KARSAN
Wednesday	Injuries of the extremities (upper and lower extremities)	08.30-09.30	Proff. Ömer Selim YILDIRIM
	Elective / Freelance Work	13.30-17.00	
Thursday	Gas gangrene	08.30-09.30	Proff. Naci EZİRMİK
	Compartment syndrome	09.45-10.45	Proff. Naci EZİRMİK
	Case-Based Learning (CBL) Session 1	10.30-12.00	Proff. Ali AYDIN
	Case-Based Learning (CBL) Session 2	13.30-14.30	Asst. Prof. Muhammed Çağatay ENGİN
	Case-Based Learning (CBL) Session 3	14.30-16.00	Asst. Prof.Muhammed Çağatay ENGİN
Friday	Malign Bone Cancers-1	08.30-09.30	Asst. Prof. Ömer Selim YILDIRIM
	Malign Bone Cancers-2	09:45-10.45	Asst. Prof. Ömer Selim YILDIRIM
	Developmental Dysplesia of The Hip-1	13.30-14.30	Asst. Prof. Orhan KARSAN
	Developmental Dysplesia of The Hip-2	14.45-15.45	Asst. Prof. Orhan KARSAN
	3. Week		
Monday	Scoliosis and kyphosis -1	08:30-09.30	Proff. Ömer Selim YILDIRIM
	Scoliosis and kyphosis -2	09.45-10.45	Proff. Ömer Selim YILDIRIM
Tuesday	Tracking of the Plaster Limb	08.30-09.30	Proff. Naci EZİRMİK
	Abscess Drainage, Nail Pulling and Minor Interventions	09.45-10.45	Proff. Orhan KARSAN
	Injuries of the extremities (hip and pelvis)	11.00-12.00	Proff. Ali AYDIN
	Dysplasias of the bone and joints-1	13.30-14.30	Asst. Prof. Orhan KARSAN
	Dysplasias of the bone and joints-2	14.45-15.45	Asst. Prof. Orhan KARSAN
Wednesday	Joint and Cartilage Dysplasias-1	08.30-09.30	Proff. Ömer Selim YILDIRIM
	Joint and Cartilage Dysplasias-2	09:45-10.45	Proff. Ömer Selim YILDIRIM
	Elective / Freelance Work	13.30-17.00	
Thursday	(Practical Exam)	10.30-12.00	
Friday	(Theroritical exam)	10.00-12.00	

***** Trainee students will be divided into groups at the beginning of the internship and will receive training in the relevant clinics alternately in the presence of a responsible lecturer and assistant physician.

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5. SESSION V ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP - MATCHING COURSES WITH LEARNING OBJECTIVES

MATCHING ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES								
Code	**Lesson Topic**	**Teaching Staff**	**Theoretical lesson**	**Practical lesson**	**Symptoms / Conditions**	**Clinical problem**	**Basic Medical Practices**	**Behavioral, Social and Humanities**
	Orthopedic examitaion of a patient	Proff. Ali AYDIN	2		1,2,3,4,5,6,7	58, 60, 80, 89, 94, 114, 117, 180, 190, 212, 233, 237, 238, 262, 297, 298	A.1, B.1, B.14,	2.f, 6.a, 13.a, 13.b, 13.c, 13.d, 17.b, 17.c
	Orthopedic terminology	Assoc. Prof. Ahmet Emre PAKSOY	1		1,2,3,4,5,6,7	58, 60, 80, 89, 94, 114, 117, 180, 190, 212, 233, 237, 238, 262, 297, 298	A.1, C.5	2.f, 6.a, 13.a, 13.b, 13.c, 13.d, 17.b, 17.c
	Musculoskeletal Anatomy Overwiev	Assoc. Prof. Muhammed Çağatay ENGIN	2		4,5,6	58, 60, 80, 89, 94, 114, 117, 180, 190, 212, 233, 237, 238, 262, 297, 298	B.14, E.7, E.59, D.4	2.f, 6.a, 13.a, 13.b, 13.c, 13.d, 17.b, 17.c

	Polio and cerebral palsy	Assoc. Prof. Ahmet Emre PAKSOY	1		5,6,7	262	A.1, B.14	2.c, 2.f
	Orthopedic radiological evaluation	Proff. Naci EZIRMIK	3		6	58, 60, 80, 89, 94, 114, 117, 180, 190, 212, 233, 237, 238, 262, 297, 298	D.4, E.5	2.f, 6.a, 13.a, 13.b, 13.c, 13.d, 17.b, 17.c
	Open fractures	Proff. Naci EZIRMIK	1		4,6	58, 114, 238	A.1, B.14, D.4, E.7, E.9, E.30, E.68	2.f, 6.a, 13.a, 13.b, 13.c, 13.d, 17.b, 17.c
	Wound Care	Proff. Naci EZIRMIK	1		6	58, 114, 238	E.44, E.68	2.f, 13.a, 13.b, 13.c, 13.d, 17.b, 17.c
	Fat embolism	Proff. Naci EZIRMIK	1		1	58, 94	A.1, B.14, D.4	2.f, 13.a, 13.b, 13.c, 13.d, 17.b, 17.c
	Spondyloarthropat hy and spinal disc herniation	Assoc. Prof. Sinan YILAR	1		1	80, 233	A.1, B.14, D.4, E.59	2.c, 8.a, 13.a, 13.b, 13.c, 17.b
	Torticollis	Assoc. Prof. Sinan YILAR	1		2,4	89	A.1, B.14, D.4	8.a
	Plaster, Splint and Traction	Proff. Ömer Selim YILDIRIM	2		4,6	60, 89, 94	B.14, D.4, E.30	2.f, 10.a, 13.a, 13.b, 13.c, 17.b, 17.c
	Joint Dislocations and Treatment	Assoc. Prof. Muhammed Çağatay ENGIN	2		3,4,6	60	A.1, B.14, D.4, E.9	2.c, 2.f, 13.a, 13.b, 13.c, 17.b, 17.c
	Talipes Equinovarus and other congenital foot deformities	Assoc. Prof. Ali AYDIN	2		4	89	A.1, B.14, D.4, E.9	8.a
	Osteomyelitis and Septic Arthritis	Proff. Orhan KARSAN	1		3,4	238	A.1, B.14, D.4, E.68, E.44	13.b, 13.c, 13.d
	Traumatic Shock	Assoc. Prof. Muhammed Çağatay ENGIN	1		5	297	A.1, E.6, E.65, E.5, E, 30	10.a, 13.b, 13.c
	Spine Injuries	Assoc. Prof. Sinan YILAR	1		1,6	80	E.30, E.59	13.b, 13.c, 17.b, 17.c
	First aid in musculoskeletal injuries, ambulation of the patient	Proff. Orhan KARSAN	2		4,6	58, 60, 94	E.30, E.59, E.65	13.a, 13.b, 13.c, 17.b, 17.c
	Injuries of the extremities (upper and lower extremities)	Proff. Ömer Selim YILDIRIM	1		3,4,6	58, 60, 94	A.1, B.14, E.7, E.30	2.f, 6.a, 13.a, 13.b, 13.c17.b
	Gas gangrene	Proff. Naci EZIRMIK	1		6	114	A.1, B.14, C.9, E.5, E.29, E.44	10.a, 13.b, 13.c, 13.d
	Compartment syndrome	Proff. Naci EZIRMIK	1		6	190	A.1, B.1, B.14, E.7	2.f, 13.b, 13.c, 17.b
	Malign Bone Cancers	Proff. Ömer Selim YILDIRIM	2		3	180	A.1, C.3, D.4	10.a
	Developmental Dysplesia of The Hip	Proff. Orhan KARSAN	2		3,4	117	A.1, B.2, D.4, D.18	8.a, 10.a
	Scoliosis and kyphosis	Assoc. Prof. Sinan YILAR	2		1,2,7	233	A.1, B.14, D.4	8.a, 10.a
	Tracking of the Plaster Limb	Proff. Naci EZIRMIK	1		7	190	B.14, E.7, D.4	8.a, 10.a, 13.a, 13.b,

								13.c, 17.b, 17.c
	Abscess Drainage, Nail Pulling and Minor	Proff. Orhan KARSAN	1		6	114, 238	E.68, E.70	10.a, 13.b, 13.c
	Injuries of the extremities (hip and pelvis)	Proff. Ali AYDIN	1		3,4,6	60, 94	A.1, B.1, B.14, D.4, E.30	2.f, 6.a, 13.a, 13.b, 13.c17.b
	Benign Bone Tumors		2		6	180	A.1, C.3, D.4	10.a
	Joint and Cartilage Dysplasias	Proff. Ömer Selim YILDIRIM	2		6	89	B.2, B.14, D.4	8.a, 10.a

6. SESSION V ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP - LEARNING METHODS

LEARNING METHODS OF ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP PROGRAM
Learning Methods Related with Knowledge:
• Structured learning activities in clinical skill laboratories and simulated patient centers • Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences • On-the-job learning and assessment • Structured case discussion
Learning Methods Related with Medical practices:
• Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures • Interdisciplinary learning activities (meetings, panels, group discussions) • Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) • CBL (Case-based learning) • Independent learning
Learning Methods Related with Professionalism
• Critical situation discussionsı • Reflection sessions • Written visual texts readings and interpretations • Student development file (portfolio) application • On-the-job learning and assessment (MiniPET)

7. SESSION V ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP - "STUDENT TRAINEE REPORT"

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the "Atatürk University Faculty of Medicine Trainee Report" which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION IV ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP STUDENT TRAINEE REPORT			
Name:……Surname:…….			
Student Number:			**Date:…../……/……**
I- Basic Medicine Practices	**Learning Level****	**Number of Applications**	**Teaching Staff Approve (Date)**
Hasta Dosya numarası:			
A. Taking Anamnesis			
Get information from the patient	**4**	1	
B. Physical Examination (General and Problem-Oriented)			
Examination of the limbs, pelvis and spine	**3**	5	
C. Registration, Reporting and Notification			
Prescription	**4**	1	
Preparing a patient file	**4**	1	
D. Laboratory Tests and Other Related Processes			
Ability to take the laboratory sample and send it to the laboratory under suitable conditions	**4**	3	
Ability to fill the request form for laboratory examination	**4**	3	
To be able to interpret the results of screening and diagnostic examinations	**3**	3	
E. Interventional and Non-Interventional Applications			
Ability to apply plaster, splint and bandage	**3**	3	
Open wound debridement and suturing	**3**	1	
Abscess drainage and / or infected wound care	**4**	1	
I-Total Basic Medicine Practice score (out of 5 point)			
II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers) **Total Professionalism score (out of 5 point)**			
III- Clinical Problem Solving (out of 5) (Given from the performance shown in **Case Based Learning sessions)**			
TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)			
Teaching Staff **Date and Sign**		**Head of Department** **Date and Sign**	

***** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

Learning Level

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

8. SESSION V ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP - ASSESSMENT AND EVALUATION METHODS

ASSESSMENT AND EVALUATION METHODS IN ORTHOPEDICS AND TRAUMATOLOGY CLERKSHIP
ACTICAL-ORAL EXAMINATION
• **Trainee Report:** Total contribution to the Practical-Oral Examination (15%) ➢ **Basic Medicine Practices** (5 %). ➢ **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%). ➢ **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5) • **Practical Exam:** It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%) • **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %) • Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful. • Students who fail the practical-oral examination, take the make-up exam. • Students who fail the practical-oral examination cannot take the Theoretical (multiple choice-written) exam.
THEORETICAL EXAM
• It consists of a total of 100 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) • Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. • Students who fail the theoretical examination, take the make-up exam.
SUCCESS GRADE
• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.
MAKE-UP EXAM
• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.

SESSION V UROLOGY GUIDE

Code	MED512
Period	3 weeks

Type	Compulsory/Elective
ECTS	5

UROLOGY CLERKSHIP- Prerequisite Courses	
1	Taken the pre-clinical courses
2	Taken courses in the relevant committee (s) in session 3

REFERENCES (RESOURCE BOOK - OTHERS)	
1.	Campbelle&Walsh Urology
2.	BASIC UROLOGY
3.	European Association of Urology Guidelines

UROLOGY CLERKSHIP- RULES FOR STUDENTS	
1	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
2	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
3	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
4	Students are obliged to keep the **"Ataturk University Faculty of Medicine Trainee Report"** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
5	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
6	**In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in "Atatürk University Faculty of Medicine Teaching and Exam Application Principles".
7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at "http://anket.atauni.edu.tr". The participation link to the survey will be sent to the students by the dean's management.

1. SESSION V UROLOGY CLERKSHIP- OBJECTIVE OF THE PROGRAM

OBJECTIVE OF THE UROLOGY CLERKSHIP PROGRAM	
1.	To evaluate the etiopathogenesis and clinical findings of surgical diseases related to the genitourinary system encountered in adult and pediatric patients; to gain the skills to diagnose, treat and refer to genitourinary system diseases at primary level

2. SESSION V UROLOGY CLERKSHIP- LEARNING OUTCOMES

Contribution levels to “Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications”

Program Qualifications	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
Contribution levels	5	3	3		3	1	2	4	1	5	3	4	2		2		1			3
Program Qualifications	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**								
Contribution levels	2	4	3	1	1		5	4	5	3	4	2								

Contribution levels: *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

3. SESSION V UROLOGY CLERKSHIP- LEARNING OBJECTIVES

A. Frequent reasons for application: Competence is expected in terms of Clinical Symptoms / Signs / Status during the Urology clerkship period

Urology CLERKSHIP- ***LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS***					
1.	Anüri-Oligüri	10	Impotans	18	Poliüri
2.	Fire	11	Infertilite	19	Pollaküri / Noktüri
3.	Nausea-vomıtıng	12	Undescended testicle	20	Puberty disorders (early - late)
4.	Sexual Dısfonksıon	13	Mass in the groin / scrotum	21	Urethral discharge
5.	Dizüri	14	Undescended testicle(renal, bilier, intestinal)	22	Üriner inkontinans
6.	Enürezis	15	Suspicious genitalia	23	Healthy sex life
7.	Change of color change in urine	16	Pelvic pain/ Pelvic mass	24	Reproductive health and rights
8.	Hematüri	17	Polidipsi	25	Scrotal pain
9.	Urinary retention			26	Flank pain

B. In terms of knowledge: It is expected to have knowledge at the levels determined in the **“Diseases / Clinical Problems”** listed below during the Urology clerkship period.

UROLOGY CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*	
LEARNING LEVELS	**CLINICAL PROBLEM**
In the clinical problems mentioned in the column next to; **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary**	1. Genito-urinary trauma 2. Testicular torsion 3. Acute kidney injury 4. Acute glomerulonephritis 5. Obstructive uropathy 6. Chronic kidney damage 7. Urinary system stone disease
In the clinical problems mentioned in the column next to; **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert**	8. Benign prostatic hyperplasia 9. Genito-urinary trauma 10. Gas gangrene 11. Cystic diseases of kidney 12. Kidney anomalies 13. Kidney tumors 14. Sexual dysfunctions 15. Export disorders (Enuresis, encopresis) 16 Pheochromocytoma 17. varicocele 18. Testicular tumor 19. Prostate cancer 20. Bladder cancer
In the clinical problems mentioned in the column next to; **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures**	21. hydrocele 22. Congenital structural anomalies 23. Hypospadias, epispadias 24. cryptorchidism 25. Urinary system stone disease 26. Acute kidney failure 27. Chronic kidney failure 28. Acute glomerulonephritis 29. Phimosis and parafimosis 30. Genital infections 31. Urinary system infections
In the clinical problems mentioned in the column next to; **Be able to Diagnose and Treat (DT)**	32. Sexually transmitted infections 33. Tuberculosis 34. Urinary system infections 35. Genital infections
In the clinical problems mentioned in the column next to;	36. Tuberculosis 37. Chronic kidney failure 38. Acute kidney failure

Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)	39. Sexually transmitted infections 40. Congenital structural anomalies 41. Bladder cancer 42. Prostate cancer 43. Urinary system stone disease

C. In terms of skill: It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Urology clerkship period.

UROLOGY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	**BASIC MEDICINE APPLICATIONS**
Skills specified in the adjacent column; **Knows** how to practice and **explains** the results to patients and / or relatives **(LEARNING LEVEL 1)**	-------
Skills specified in the adjacent column; **In an emergency**, performs the application in accordance **with the guide / instruction** **(LEARNING LEVEL 2)**	1. Ability to puncture suprapubic bladder
Skills specified in the adjacent column; performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application** **(LEARNING LEVEL 3)**	2. Urological examination 3. General situation and evaluation of vital signs 4. Digital rectal examination 5. Gynecological examination 6. Ability to insert urine catheter 7. Forensic case examination 8. Child and newborn examination 9. To be able to read and evaluate direct radiographs

Skills specified in the adjacent column; Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application** **(LEARNING LEVEL 4)**	10. Ability to take general and problematic stories 11. To be able to evaluate mental state 12. Lighting and obtaining consent 13. To prepare epicrisis 14. To prepare patient file 15. Prescribing a recipe 16. Rational drug use 17. To be able to prepare refusal of treatment document 18. Ability to fill the request form for laboratory examination 19. To be able to take the laboratory sample under appropriate conditions and deliver it to the laboratory. 20. Hand washing 21. To be able to request rational laboratory and imaging examination

D. In terms of Behavioral, Social and Humanities: It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the Urology clerkship period

UROLOGY INTERNSHIP - BEHAVIORAL, SOCIAL AND HUMANITIES	
2.	**Addiction**
	b.Cigarate
29.	**Technology and health interaction**
	d. Current diagnostic-treatment tools
34.	**Reproductive health / Sexual health**
	a. Healthy sex life and counseling e. Sexually transmitted diseases and prevention ways

E. In terms of Professionalism: Attitudes listed below are expected to be gained during the period of Urology clerkship

ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE UROLOGY CLERKSHIP
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine. 2. Rights-based health approach 3. Communication skills, communication in difficult situations, interpersonal relations and teamwork

4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine.

5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.

6. Patient rights, physician responsibility, patient-physician relationship.

7. Problems and dilemmas for professionalism / ethics in health processes.

8. Legal problems in health processes.

9. Research and publication ethics.

10. Determinants of health, inequality in health, social gender and health.

11. Health systems, health policies.

12. Health economics and management.

13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.

14. Work culture in coordination with other members of the team and disciplines

15. Being able to share their knowledge and professional experience with other members of the team,

4. SESSION V UROLOGY CLERKSHIP - WEEKLY COURSE PROGRAM

Days	Subject of The Lesson	Lesson Time	Teaching Staff
Monday	**1. Week**		
	Visit	08.45- 09.30	Together
	Informing about internship, ethical and professional values in clinical practice	09.45- 10.30	Assoc. Prof. Şaban Oğuz DEMİRDÖĞEN
	Urinary System Imaging Methods	13.30- 14.30	Assoc. Prof. Şaban Oğuz DEMİRDÖĞEN
	Intrascrotal Masses	14.45- 15.45	Prof. Dr. Özkan POLAT
	Elective / Freelance Work	15.45- 17.00	
Tuesday	Visit	08.45- 09.30	Together
	Specific Infections of the Urinary System-I	13.30- 14.30	Assoc. Prof. Fatih ÖZKAYA
	Specific Infections of the Urinary System-II	14.45- 15.45	Assoc. Prof. Fatih ÖZKAYA
	Freelance Study	15.45- 17.00	
Wednesday	Visit	08.45- 09.30	Together
	Urogenital Tract Trauma-I	09.30- 10.30	Prof. Dr. Şenol ADANUR
	Urogenital Tract Trauma-II	10.45- 11.45	Prof. Dr. Şenol ADANUR
	Elective / Freelance Work	13.30- 17.00	
Thursday	Visit	08.45- 09.30	Together
	Benign Prostatic Hyperplasia (BPH)-I	13.30- 14.30	Prof. Dr. Özkan POLAT
	Benign Prostatic Hyperplasia (BPH)-II	14.45- 15.45	Prof. Dr. Özkan POLAT
	Freelance Work	15.45- 17.00	
Friday	Visit	08.45- 09.30	Together
	Council and Case-Based Learning (CBL) Session 1	09.30- 10.30	
	Urogenital System Tumors-I	13.30- 14.30	Prof. Dr. Turgut YAPANOĞLU
	Urogenital System Tumors-II	14.45- 15.45	Prof. Dr. Turgut YAPANOĞLU
	Freelance Work	15.45- 17.00	
Monday	**2. Week**		
	Visit	08.45- 09.30	Together

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	Male infertility	13.30- 14.30	Prof. İsa ÖZBEY
	Male sexual dysfunctıon	14.45- 15.45	Prof. İsa ÖZBEY
	Freelance Work	15.45- 17.00	
Tuesday	Visit	08.45- 09.30	Together
	Female Sexual Function and Dysfunction	13.30- 14.30	Prof. İsa ÖZBEY
	Sexually Transmitted Urinary Tract Infections	14.45- 15.45	Prof. İsa ÖZBEY
	Freelance Work	15.45- 17.00	
Wednesday	Visit	08.45- 09.30	Together
	Undescended Testis	09.30- 10.30	Prof. Dr. Yılmaz AKSOY
	Konjentinal Urinary Obstruction	10.45- 11.45	Prof. Dr. Yılmaz AKSOY
	Elective / Freelance Work	13.30- 17.00	
Thursday	Visit	08.45- 09.30	Together
	Vesicoureteral Reflux	13.30- 14.30	Prof. Dr. Yılmaz AKSOY
	Obstructive uropathy	14.45- 15.45	Prof. Dr. Yılmaz AKSOY
	Freelance Work	15.45- 17.00	
Friday	Visit	08.45- 09.30	Together
	Council and Case-Based Learning (CBL) Session 2	09.30- 10.30	
	Urogenital System Tumors-III	13.30- 14.30	Prof.Dr. Turgut YAPANOĞLU
	Urogenital System Tumors-IV	14.45- 15.45	Prof.Dr. Turgut YAPANOĞLU
	Freelance Work	15.45- 17.00	
Monday	**3. Week**		
	Visit	08.45- 09.30	Together
	Urological emergency	13.30- 14.30	Assoc. Prof. Şaban Oğuz DEMİRDÖĞEN
	Urolithiasis-I	14.45- 15.45	Assoc. Prof. Şaban Oğuz DEMİRDÖĞEN
	Freelance Work	15.45- 17.00	
Tuesday	Visit	08.45- 09.30	Together
	Urolithiasis-II	13.30- 14.30	Assoc. Prof. Şaban Oğuz DEMİRDÖĞEN
	ESWL in the Treatment of Urolithiasis (Flipped Classroom)	14.45- 15.45	Assoc. Prof. Şaban Oğuz DEMİRDÖĞEN
	Freelance Work	15.45- 17.00	
Wednesday	Visit	08.45- 09.30	Together
	Endourologic Treatments of Urinary Tract Stone Disease	09.30- 10.30	Prof. Dr. Şenol ADANUR
	Overactive Bladder	10.45- 11.45	Prof. Dr. Yılmaz AKSOY
	Elective / Freelance Work	13.30- 17.00	
Thursday	Visit	08.45- 09.30	Together
	Practice Exam (Oral)	10.00- 12.00	
Friday	Visit	08.45- 09.30	Together
	Council and Case-Based Learning (CBL) Session 3	09.30- 10.15	
	Theoretical Examination (Written)	10.30- 11.00	

5. SESSION V UROLOGY CLERKSHIP - MATCHING COURSES WITH LEARNING OBJECTIVES

TERM V UROLOGY INTERNSHIP COURSES PAIRING WITH LEARNING OBJECTIVES							
Lesson code	**The subject of the lecture**	**Faculty members**	**Theoretical Clock**	**Practical Clock**	**With symptoms / conditionr**	**Clinical problem**	**Basic medical practices**
ÜRO001	Urinary System Imaging Methods	Assoc. Prof. Şaban Oğuz DEMİRDÖĞEN	1	2			11
ÜRO002	Urinary System Infections 2	Prof. Şenol ADANUR	1	1	2, 5, 8, 16	31, 34, 37	1, 2, 10, 21, 22
ÜRO003	Urinary System Infections -I	Assoc. Prof. Şaban Oğuz DEMİRDÖĞEN	1	1	2, 5, 8, 16	33	1, 2, 10, 21, 22
ÜRO004	Urogenital System Tumors- I	Prof. Şenol ADANUR	1	1	8, 14	11, 13	1, 2, 10, 11, 15, 16, 17, 20, 21, 22
ÜRO005	Overactive Bladder	Prof. Yılmaz AKSOY	2	1	22		1, 2, 10, 12, 13, 19, 21
ÜRO007	Urogenital System Tumors - II	Prof. Turgut YAPANOĞLU	1	2	8, 14	21	1, 2, 3, 5, 10, 11, 12, 14, 21, 22
ÜRO008	Benign Prostate Hyperplasia (BPH)	Prof. Özkan POLAT	1	2	1, 5, 8, 9, 16, 19, 22	8	1, 2, 3, 5, 6, 10, 18, 21
ÜRO009	Urogenital System Tumors - III	Prof. Turgut YAPANOĞLU	1	2	8, 9, 16, 24	20	1, 2, 3, 5, 10, 11, 12, 14, 21, 22
ÜRO010	Intrachrotal Masses	Prof. Özkan POLAT	1	2	11, 13, 24	19, 22	1, 2, 3, 10, 11, 12, 14, 21, 22
ÜRO011	Male Infertility	Prof. Isa ÖZBEY	1	2	10, 11, 12, 13, 23, 24	14, 18, 19	1, 2, 3, 10, 11, 12, 14, 21, 22
ÜRO012	Male Sexual Dysfunctions	Prof. Isa ÖZBEY	1	1	4, 10, 11, 23, 24	14, 18, 20, 21	7, 9, 12, 13, 1 8, 19, 20
ÜRO013	Female Sexual Function and Dysfunction	Prof. Isa ÖZBEY	1		4, 5, 11, 20, 22, 23, 24	14, 17, 21, 34, 27, 31, 33	7, 9, 10, 12, 13, 18, 19, 20, 21
ÜRO014	Urinary System Infections -III	Prof. Isa ÖZBEY	1		4, 10, 11, 23, 24	14, 31, 34	7, 9, 12, 13, 18, 19, 20
ÜRO015	Urological Emergencies	Assoc. Prof. Şaban Oğuz DEMİRDÖĞEN	1	2	12, 13	23, 25, 30	1, 8
ÜRO016	Congentinal Urinary System Obstruction	Prof. Yılmaz AKSOY	1	1	3, 14	5, 12, 23	8, 10, 11, 17, 21
ÜRO017	Vesico Urethral Reflux	Prof. Yılmaz AKSOY	1	1	2, 3, 5, 6, 22	4, 6, 15, 33	8, 10, 11, 18
ÜRO018	Obstructive Uropathy	Prof. Turgut YAPANOĞLU	2	1	3, 14	5, 12, 23	8, 10, 11, 17, 21
ÜRO020	Urinary System Tumors-IV	Prof. Turgut YAPANOĞLU	1	1	8, 14, 16	13	1, 2, 10, 11, 12, 17, 21,
ÜRO022	Urolithiasis-I	Assoc. Prof. Şaban Oğuz DEMİRDÖĞEN	1	1	1, 2, 3, 5, 8, 14	3, 4, 5, 7, 33	1, 2, 10, 11, 17, 18
ÜRO023	ESWL in Urolithiasis Treatment	Assoc. Prof. Şaban Oğuz DEMİRDÖĞEN	1	1	1, 2, 3, 5, 8, 14	3, 4, 5, 7, 33	1, 2, 10, 11, 17, 18
ÜRO024	Endourological Interventions in Urinary System Stone Disease	Prof. Şenol ADANUR	1	1	1, 2, 3, 5, 8, 14	3, 4, 5, 7, 33	1, 2, 10, 11, 17, 18
ÜRO025	Urinary Traumas-I	Prof. Şenol ADANUR	1	1	8, 9, 14, 16,	1	1, 2, 7, 9, 10, 11, 13, 14,
ÜRO026	Urinary Traumas -II	Prof. Şenol ADANUR	1		8, 9, 14, 16,	1	1, 2, 7, 9, 10, 11, 13, 14,
	Polyclinic / Operating Room Applications	Faculty Members		22			
	Notification of the aims and objectives of the internship meeting	Head of internship commission	1				
	Post-internship feedback meeting	Head of internship commission	1				

6. SESSION V UROLOGY CLERKSHIP - LEARNING METHODS

LEARNING METHODS OF UROLOGY CLERKSHIP PROGRAM
Learning Methods Related with Knowledge:
• Structured learning activities in clinical skill laboratories and simulated patient centers • Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences • On-the-job learning and assessment • Structured case discussion
Learning Methods Related with Medical practices:
• Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures • Interdisciplinary learning activities (meetings, panels, group discussions) • Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) • CBL (Case-based learning) • Independent learning
Learning Methods Related with Professionalism
• Critical situation discussionsı • Reflection sessions • Written visual texts readings and interpretations • Student development file (portfolio) application • On-the-job learning and assessment (MiniPET)

7. SESSION V UROLOGY CLERKSHIP - "STUDENT TRAINEE REPORT"

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the "Atatürk University Faculty of Medicine Trainee Report" which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY MEDICAL FACULTY PERIOD V UROLOGY INTERNSHIP STUDENT SCORE			
NAME-SURNAME **STUDENT NO:**		**DATE:…../……/……**	
I-Basic Medicine Practices	**Learning Level ****	**Number**	**Internship Officer Approval (Date)**
A. Taking Story			
To be able to take a history for the general and urogenital system	**4**	**2**	
B. General and Problem-Oriented Physical Examination			
Genitourinary system examination	**3**	**3**	
Digital rectal examination	**3**	**3**	
Abdominal examination	**3**	**3**	
C. Record Keeping, Reporting and Notification			
Writing prescriptions	**4**	**5**	
Preparing a patient file	**4**	**2**	
D. Laboratory Tests and Other Related Processes			
Taking the laboratory sample under suitable conditions and sending it to the laboratory under suitable conditions	**4**	**2**	
Filling the request form for laboratory examination	**4**	**5**	
To be able to interpret the results of screening and diagnostic purposes	**3**	**5**	
E. Interventional and Non-Interventional Applications			
Reading and evaluating direct radiographs	**3**	**5**	
Urinary catheter insertion	**3**	**2**	
Total Basic Medicine Practice score (out of 5 points)			
II-Student's impression- Professionalism appropriate for Medicine (Assessed by Faculty Members) (out of 5 points)			
Compliance with internship rules			
Adaptation to team work			
III- Clinical Problem Solving (out of 5)			
(Given from the performance shown in Case Based Learning sessions)			
Internship Responsible **Assoc. Prof. Şaban Oğuz DEMİRDÖĞEN** **…/…/….**		**Head of department** **Prof. Özkan POLAT** **…/…/….**	

***** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

****Learning Level****

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

8. SESSION V UROLOGY CLERKSHIP - ASSESSMENT AND EVALUATION METHODS

ASSESSMENT AND EVALUATION METHODS IN UROLOGY CLERKSHIP
RACTICAL-ORAL EXAMINATION

• **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)
  ➢ **Basic Medicine Practices** (5 %).
  ➢ **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).
  ➢ **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5)
• **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (85 %)
• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.
• Students who fail the practical-oral examination, take the make-up exam.
• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice-written) exam.

THEORETICAL EXAM
• It consists of a total of 25 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) • Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. • Students who fail the theoretical examination, take the make-up exam.
SUCCESS GRADE
• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.
MAKE-UP EXAM
• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.

SESSION V PSYCHIATRY CLERKSHIP GUIDE

Code	MED511
Period	3weeks

Type	Compulsory/Elective
ECTS	5

PSYCHIATRY CLERKSHIP-Prerequisite Courses	
1	Taken the pre-clinical courses
2	Taken courses in the relevant committee (s) in session 3

REFERENCES(RESOURCE BOOK -OTHERS)	
1.	Comprehensive Textbook of Psychiatry
2.	DSM-5 Diagnostic and Statistical Manual of Mental Disorders (American Psychiatric Association-2013)
3.	Essentials of Clinical Psychiatry

PSYCHIATRY CLERKSHIP- RULES FOR STUDENTS	
1	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
2	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
3	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
4	Students are obliged to keep the **"Ataturk University Faculty of Medicine Trainee Report"** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
5	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
6	**In order to be successful at the end of the clerkship;**Students are required to take at least 60 point from each Practical-Oral and Theoretical exams, In Practical exams the **Trainee Report**and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in "Atatürk University Faculty of Medicine Teaching and Exam Application Principles".
7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at "http://anket.atauni.edu.tr". The participation link to the survey will be sent to the students by the dean's management.

1. SESSION V PSYCHIATRY CLERKSHIP - OBJECTIVE OF THE PROGRAM

OBJECTIVE OF THE PSYCHIATRY CLERKSHIP PROGRAM	
1	To be able to make a preliminary diagnosis by evaluating the etiology, pathophysiological and clinical features, signs and symptoms of mental health and diseases
2	To be able to perform emergency treatment by defining emergencies for mental health and diseases
3	To be able to create and apply a treatment plan in necessary clinical situations within the scope of education level criteria
4	To be able to provide referral when necessary after emergency intervention and treatment
5	To have basic knowledge about psychopharmacological and psychotherapeutic methods used
6	To gain the knowledge, skills and professionalism characteristics determined for the internship

2. SESSION V PSYCHIATRY CLERKSHIP - LEARNING OUTCOMES

Contribution levels to"Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
Contribution levels	4	4	4	4	2	3	4	3	4	5	4	5	5	2	4	1	3	3	2	4
Program Qualifications	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**								
Contribution levels	3	5	5	5	5	3	4	5	3	3	3	3								

Contribution levels: *-:no contribution 1very low 2 low 3 intermediate 4 high 5 veryhigh*

3. SESSION V PSYCHIATRY CLERKSHIP - LEARNING OBJECTIVES

A. Frequent reasons for application: Competence is expected in terms of Clinical Symptoms / Signs / Statusduring the Psychiatry clerkship period

PSYCHIATRY CLERKSHIP- *LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS*			
1	Anxiety	10	Fury and hostility
2	Cognitive disorders/forgetfullness	11	Learning disorder
3	Sexual function disorders	12	Sleep and disorders
4	Mood varities		
5	Assessment of reality		
6	Hyperactivity		
7	Suicide/homicide		
8	Reasoning and disorders		
9	Psychiatric seizure		

B. In terms of knowledge: It is expected to have knowledge at the levels determined in the **"Diseases / Clinical Problems"** listed below during the Psychiatry clerkship period.

PSYCHIATRY CLERKSHIP- *CLINICAL PROBLEM LEARNING LEVELS*	
LEARNING LEVELS	**CLINICAL PROBLEM**
In the clinical problems mentioned in the column next to; **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary**	19.Situations about alcohol and substance use disorder 4.Bipolar disorder 18.Medication side effects 12.Schizophrenia and other psychotic diseases 21.Acute and posttraumatic stress disorder 22.Delirium
In the clinical problems mentioned in the column next to; **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert**	1.Alcohol and substance use disorder 2.Somatoform disorders (somatization/conversion) 3.Cognitive disorders (dementia) 4.Bipolar disorder 5.Sexual function disorder 6.Sexual identity disorder 7.Dissociative disorder 8.Personality disorder 9.Obsessive-compulsive disorder 10.Panic disorder 11.Schizophrenia and other psychotic disorders 12.Sleep disorders 13.Generalized anxiety disorder 14.Eating disorder 15.Intellectual disabilities 21.Acute and posttraumatic stress disorder 23.Disruptive disorder/impulse control disorder 24.Agoraphobia/spesific phobias

In the clinical problems mentioned in the column next to; To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures	1.Depression 2.Medication side effects 3.Delirium
In the clinical problems mentioned in the column next to; **Be able to Diagnose and Treat (DT)**	
In the clinical problems mentioned in the column next to; **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)**	1. Alcohol and substance use disorder 2. Emergencies about alcohol and substance use disorder 3. Cognitive disorders, dementias 4. Bipolar disorder 5. Depression 6. Medication side effects 7. Delirium
In the clinical problems mentioned in the column next to; **be able to follow up (F) in necessary cases**	1.Cognitive disorders, dementia 2.Alzheimer's disease 3.Bipolar disorder 4.Depression 5.Medication side effects 6.Schizophrenia and other psychotic disorders 7.Delirium

C. In terms of skill: It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed belowduring the Psychiatry Clerkship period.

PSYCHIATRY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	**BASIC MEDICINE APPLICATIONS**
Skills specified in the adjacent column; **Knows** how to practice and **explains** the results to patients and / or relatives **(LEARNING LEVEL 1)**	1. Evaluation of disability
Skills specified in the adjacent column; **In an emergency**, performs the application in accordance **with the guide / instruction** **(LEARNING LEVEL 2)**	2.Intervention to suicide 3.Determining legal capacity
Skills specified in the adjacent column; performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application** **(LEARNING LEVEL 3)**	4.Taking psychiatric anamnesis 5.Psychiatric examination 6.Mental evaluation 7.Minimental state examination 8.Using evidence based medical interventions during giving clinical decision 9.Stabilizing emergent situations 10.Disability report consultation 11.Preparing medical reports
Skills specified in the adjacent column; Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives**and does the application** **(LEARNING LEVEL 4)**	12.Taking medical history 13.Examination of consciousness 14.Reasonable choice of laboratory and imaging technics 15.Patient transfer 16.Fullfilment of the patient file 17.Writing appropriate prescription 18.Fullfilment of laboratory forms 19.Taking patient consent 20.Treatment refusal 21.Reasonable medication use 22.Preparing patient epicrisis

D.In terms of Behavioral, Social and Humanities: It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the Psychiatry Clerkship period

PSYCHIATRY CLERKSHIP–LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	1.Discrimination, bias, stigmatization
	a.Immigrants b.Sensitive and vulnerable groups (olds, disableds, convicts and detainees c.Gender
	2.Dependency **a.Alcohol** **b.Nicotine** **c Substance** **d.Behavioral addictions (gambling, shopping, technology, internet)** **e.Familial and individual burden of dependency**
	4.Work and health relation c.Effect of disease on worklife and rehabilitation for getting back to work d.Work stress and psychosocial risks, mobbing, burnout syndrome e.Vulnerable and sensitive groups (children, immigrants, olds, child workers
	5.Environment and health relation a. Healthy nutrition and food politics j. Social environment and social wellbeing 6. Child neglect and abuse a.Neglect (emotional, physical, medical, educational) f.b.Abuse (physical, emotional, sexual) Child marriages 7.Migration a.War, terror and migration, immigrants
	8.Difficulties on patient-clinician relation a.Treatment maladaptment on preventive and treatment interventions (vaccination denial) b.Wishfull and insistive patient c.Manipulative patient d.Treatment resistant patient e.Simulation (making patient role to have benefit) f.Mourning patient g.Somatization/somatic symptoms associated with psychosocial factors h.Frequent applicant patient i.Difficulties between cultural relationship
	9.Clinicians wellness f.Physical and mental health
	10.Legal and ethical issues e.Informed consent g.Medical records, prescript, ethical issues on writing medical reports i.Compulsory treatment
	11.Human rights and health d.Psychosocial burden caused by violations of rights in social life

	12.Unemployment and poverty c.Individual's psychosocial wellness d.Public and family health
	14.Chronic/non infectious diseases a.Prevention and follow-up of risk factors b.Management c.Multimorbidity d.Burden of caretaking and caregiving e.Situations about chronic diseases and inequalities of publical distribution of diseases f.Psychosocial aspects of symptoms of chronic pain, dementia, sleep disorders and depression
	18.Death, neardeath patient and mourning a.Mourning, prolonged mourning process
	20.Psychological and social wellbeing a.Health during different stages of life b.Family health, family support c.Social/public funds, social support d.Culture and health beliefs/attitudes h.Flexibility/durability, embracing uncertainties and dilemmas i.Power and control: patients intervention about him/herself j.Stress and stress management
	23.Critics of health interventions c.Medicalization of daily life e.Body-mind dilemma and reductionist approaches f.Commercializing healthy living habits g.Extreme medical practices h.Wrong practices on traditional and complementary medicine
	25. Healthiness issued a.Nutriton b.Physical, mental activity and exercises c.Sedantery life d.Participating in social life
	27.Stress a.Burden of daily life b.Major life events c.Office stress d.Stress management e.Physcial and mental complaints related with stress
	29.Interaction between technology and health f.Technology addiction, technology misuse and abuse
	30.Medical errors and unprofessional attitudes a.Malpractice b.Unprofessional behaviors to the patient and relatives of the patient c.Misuse of the power on health and education e.Communication problems
	31.Professionalism on medicine b.Honesty, telling the truth to the patient and respect for the privacy of the patient c.Vocational values, vocational identity and historical perspective, being open to vocational and vocational progress
	34.Reproductive health/sexual health a.Healthy sexual life and consultancy

E. In terms of Professionalism: Attitudes listed below are expected to be gained during the period of Psychiatry clerkship

ATTITUDES THAT SHOULD BE GAINED FOR PROFESSIONALITY DURING THE PSYCHIATRY CLERKSHIP
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine. 2. Rights-based health approach 3. Communication skills, communication in difficult situations, interpersonal relations and teamwork 4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine. 5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities. 6. Patient rights, physician responsibility, patient-physician relationship. 7. Problems and dilemmas for professionalism / ethics in health processes. 8. Legal problems in health processes. 9. Research and publication ethics. 10. Determinants of health, inequality in health, social gender and health. 11. Health systems, health policies. 12. Health economics and management. 13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.

4. SESSION V PSYCHIATRY CLERKSHIP - WEEKLY COURSE PROGRAM

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	1. Week		
Monday	Information about Internship program and professional and ethical ıssues in clinical practice	08.00-08.30	Dr. Özcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task
	Assistant Seminar	08.30-09.30	Dr. Özcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task
	Signs and symptoms in psychiatry	9.30-12.00	Dr. Halil Özcan
	Psychiaytric interview	13.30-15.00	Dr. Halil Özcan
	Schizophrenia	15.00-17.00	Dr. Halil Özcan
Tuesday	Major depressive disorder	08.00-10.30	Dr. Hacer Akgul Ceyhun
	Inpatient evaluaItion with whole clinical staff	10.30-12.00	Dr. Özcan, Okutucu, Ceyhun, Sarı, Aydın will take a rotating task
	Other depressive disorders	13.30-15.00	Dr. Hacer Akgul Ceyhun
	Main neurocognitive disorders	15.00-17.00	Dr.Ömer faruk uygur
Wednesday	Assistant Seminar	08.00-09.30	Dr. Özcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task
	Bipolar disorder	09.30-12.00	Dr. Serap Sari
	Free/Optional working	13.30-17.00	
Thursday	Student Seminar-A psychotic case presentaiton	08.00-09.30	Dr. Halil Özcan
	Other psychotic disorders	09.30-10.30	Assoc.prof. Dr. Halil Özcan
	Inpatient evaluaItion with whole clinical staff	10.30-12.00	Dr. Özcan, Okutucu, Ceyhun, Sari, Aydın will take the task alternately.
	Gender identity and sexual function disorders	13.30-15.00	Dr. Ömer Faruk uygur
	CBE(Case based evaluation) First session	15.00-17.00	Dr. Özcan, Okutucu, Ceyhun, Sarı, Aydın will take a rotating task
	Independent working hours	08.00-09.30	
Friday	Antidepressants	09.30-10.30	Dr. Hacer Akgul Ceyhun
	Clinical practice	10.30-12.00	Dr. Özcan, Okutucu, Ceyhun, Sari, Aydın will take a rotating task
	Antipsychotics	13.30-15.00	Dr. Hacer Akgul Ceyhun
	Clinical practice	15.00-17.00	Dr.Özcan, Aydın, Ceyhun, Okutucu, Sarı will take a rotating task
	2. Week		
Monday	Assistant Seminar	08.00-09.30	Dr. Özcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task
	Dissociative disorders	10.00-12.00	Dr. Esat Fahri Aydin
	Somatoform disorders	13.30-15.30	Dr. Esat Fahri Aydin
	Clinical Practice	15.30-17.00	Dr. Ozcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task
Tuesday	Student seminar-A depression case presentation	08.00-09.30	Dr. Hacer Akgul Ceyhun
	Mood Stablizators	09.30-10.30	Dr. Hacer Akgul Ceyhun
	Inpatient evaluaItion with whole clinical staff	10.30-12.00	Dr. Ozcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task.
	Forensic psychiatry	13.30-15.00	Dr.Ömer Faruk uygur
	CBE(Case based evaluation) First session	15.00-17.00	Dr. Ozcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task
	Assistant seminar	08.00-09.30	Dr. Özcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task
Wednesday	Anxiety disorders	09.30-12.00	Dr. Fatma Tuygar Okutucu
	Free/Optional working	13.30-17.00	
Thursday	Trauma and stress related disorders	08.00-10.30	Dr. Ömer Faruk uygur
	Inpatient evaluaItion with whole clinical staff	10.30-12.00	Dr. Esat Fahri Aydın
	Obsssive compulsive and related disorders	13.30-15.00	Dr. Fatma Tuygar Okutucu
	Emergency situations in psychiatry	15.00-17.00	Dr. Esat Fahri Aydın
Friday	Assistant seminar	08.00-09.30	Dr. Özcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task
	Impulse Control Disorders	09.30-10.30	Dr. Serap Sarı
	Clinical practice	10.30-12.00	Dr. Ozcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task.
	Substance related disorders and addiction disorders	13.30-17.00	Dr. Serap Sarı
	3. Week		
Monday	Assistant seminar	08.00-09.30	Dr. Ozcan, Okutucu, Ceyhun, Sarı, Aydın will take a rotating task
	Psychotherapies	10.00-12.00	Dr. Esat Fahri Aydın

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	Personality and personality disorders	13.30-17.00	Dr. Esat Fahri Aydın
Tuesday	Free working hour	08.00-09.00	
	Eating diorders	09.00-10.30	Dr. Serap Sarı
	Inpatient evaluaItion with whole clinical staff	10.30-12.00	Dr. Ozcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task
	Sleep disorders	13.30-15.30	Dr. Ömer faruk uygur
	Student seminar- A case presentation with bipolar disorder	15.00-17.00	Dr. Serap Sarı
Wednesday	Assistant seminar	08.00-09.30	Dr. Ozcan, Okutucu, Ceyhun, Sarı, Aydın will take a rotating task
	Other treatments which are used in psychiatric disorders	09.30-11.00	Dr. Fatma Tuygar Okutucu
	Student seminar- A case presentation with anxiety disorder	11.00-12.00	Dr. Fatma Tuygar Okutucu
	Free/Optional working	13.30-17.00	
Thursday	Free working hour	08.00-09.30	
	Inpatient evaluaItion with whole clinical staff	10.30-12.00	Dr. Ozcan, Okutucu, Ceyhun, Sarı, Aydın will take a rotating task
	CBE(Case based evaluation) Third session	13.30-15.00	Dr. Ozcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task
	A brief review before examination	15.00-17.00	Assoc.Prof. Dr. Mine Şahingöz
Friday	Oral Examination	09.30-12.00	
	Written Exam	13.30-14.30	Pyschiatry department classroom
	Internship post feedback meeting	15.00-17.00	Dr. Ozcan, Okutucu , Ceyhun, Sarı, Aydın will take a rotating task

5. SESSION V PSYCHIATRY CLERKSHIP - MATCHING COURSES WITH LEARNING OBJECTIVES

MATCHING PSYCHIATRY COURSES WITH LEARNING OBJECTIVES								
Code	Lesson Topic	Teaching Staff	Theoretical lesson	Practical lesson	Symptoms / Conditions	Clinical problem	Basic Medical Practices	Behavioral, Social and Humanities
01	Psychiatric signs and symptoms	Dr. H.Ozcan	2		1,2,3,4,5,6,7,8,9,10,11,12	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,29,21,22, 23	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,	1,2,4,5,6,7,8,9,10,11,12,14,18,20,23,25,27,29,30, 31,34
02	Psychiatric examination	Dr. H.Ozcan	2		1,2,3,4,5,6,7,8,9,10,11,12	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,29,21,22, 23	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	1,2,4,5,6,7,8,9,10,11,12,14,18,20,23,25,27,29,30, 31,34
03	Schizophrenia	Dr. H.Ozcan	2		2,5,7,8,10,12	12	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	1,2,4,5,6,7,8,9,10,11,12,14,18,20,23,25,27,29,30, 31
04	Other psychotic disorders	Dr. H.Ozcan	1		2,5,7,8,10,12	12	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	1,2,4,5,6,7,8,9,10,11,12,14,18,20,23,25,27,29,30, 31
05	Forensic Psychiatry	Dr. H.Ozcan	2		2,4,5,7,8,10, 11,	1,2,3,4,6,7,8,12, 13,16,18,23	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	2,4,6,7,8,9,10,11,12,14,20,30,31
06	Issues about gender identity, sexual function disorders	Dr. H.Ozcan	2		3	5,6,18	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	34
07	Major Depressive Disorder	Dr. Hacer Akgul Ceyhun	2		1,2,4,5,7,12	3,4,5,8,13,17, 18	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	1,2,4,5,6,7,8,9,10,11,12, 14,18,20,23,25,27,30,31
08	Other Depressive Disorders	Dr. Hacer Akgul Ceyhun	2		1,2,4,5,7,12	3,4,5,8,13,17, 18	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	1,2,4,5,6,7,8,9,10,11,12, 14,18,20,23,25,27,30,31

09	Bipolar Disorder	Dr. Serap Sarı	3		1,2,3,4,5,6,7,8,9,10,12	4,18	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	1,2,4,5,6,7,8,9,10,11,12,14,18,20,23,25,27,30,31
10	Anxiety Disorders	Dr. Fatma Tuygar Okutucu	3		1,3,4,6,10,12	9,10,11,14,23	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,24	5,8,23,25,27
11	Obsessive Compulsive and Related Disorders	Dr. Fatma Tuygar Okutucu	2		1,3,4,10,12	9,10,11,14	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	5,8,20,23,25,27,29,30,31
12	Somatoform Disorders	Dr. Esat Fahri Aydin	2		1,3,4,9,10,12	2,21	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	5,7,12,14,20,23,25,27,30,31
13	Dissociative Disorders	Dr. Esat Fahri Aydın	1		1,3,4,9,10,12	7,21	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	27
14	Sleep Disorders	Dr. Serap Sari	1		1,4,12	13	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	2715
15	Basic Cognitive Disorders	Dr. Hacer Akgul Ceyhun	2		2,8,10,11,12	3,20,22	1,2,3,4,5,6,7,8,10,141,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21, 22	8,11,12,14,20,2516
16	Eating Disorders	Dr. Serap Sari	1		1,4,5	15	3,4,5,7,12,13,14,15,16,17,18,19,20,21,22	25
17	Substance Related Disorders and Substance Dependency	Dr. Serap Sari	3		1,2,3,4,5,6,7,8,9,10,11,12	1,18,19,22	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	2,8,10,11,20,29
18	Personality and Personality Disorders	Dr. Esat Fahri Aydin	3		1,2,4,7,9,10	8	2,3,4,5,6,8,9,10,11,12,16,17,18,19,20,21,22	1,5,8,20
19	Impulse Control Disorders	Dr. Serap Sari	1		1,6,10	1,9,15,21,23	2,3,4,5,6,,8,9,10,11,12,16,17,18,19,20,21,22	29
20	Psychiatric Emergencies	Dr. Fatma Tuygar Okutucu	2		1,2,3,4,5,6,7,8,9,10,12	4,12,18,19,22,23,24	2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	2,8,9,10,11,18,20
21	Entrance to Psychopharmacology	Dr. Hacer Akgul Ceyhun	1		1,2,3,4,5,6,7,8,9,10,12	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22	1,3,4,5,6,8,9,12,14,16,17,18,19,20,21,22	5,7,8,12,14,20,23,25,27, 30,31
22	Antidepressants	Dr. Hacer Akgul Ceyhun	2		1,2,3,4,6,7,9,10,11,12	9,1,2,3,4,5,7,8,9,10,11,13,14,15,17,18,24	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,21	5,7,8,12,14,20,23,25,27, 30,31
23	Mood Stabilizers	Dr. Hacer Akgul Ceyhun	1		1,4,6,8,10,12	4,18	1,3,4,5,6,7,8,9,10,11,12,16,17,18,19,20,21,22	5,7,8,12,14,20,23,25,27, 30,31

24	Antipsychotics	Dr. Hacer Akgul Ceyhun	2		1,2,3,4,5,6,7,8,9,10,11,12	12,18	4,5,6,8,9,12,13,14,15,17,18,19,20,21,22	5,7,8,12,14,20,23,25,27, 30,31
25	Other Medications used in Psychiatric Disorders	Dr. Fatma Tuygar Okutucu	3		1,2,3,4,5,6,7,8,9,10,11,12	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22, 24	4,5,6,8,9,12,13,14,15,17,18,19,20,21,22	5,7,8,12,14,20,23,25,27, 30,31
26	Trauma and Stress Related Disorders	Dr. Fatma Tuygar Okutucu	2		1,2,4,5,7,9,10,12	1,2,5,6,7,11,13,14,16,17,19, 21	4,5,6,8,9,12,13,14,15,17,18,19,20,21,22	1,2,4,5,6,7,8,11,12,14,18,20,23,25,27,30,31
27	Psychotherapies	Dr. Esat Fahri Aydin	2		1,2,3,4,5,7,8,9,10,11	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,21,23	4,5,6,8,9,12,15,19,20,22	1,2,4,5,6,7,8,11,12,14,18,20,23,25,27,30,31,34

6. SESSION V PSYCHIATRY CLERKSHIP - LEARNING METHODS

LEARNING METHODS OF PSYCHIATRY CLERKSHIP PROGRAM
Learning Methods Related with Knowledge:
• Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences • On-the-job learning and assessment • Structured case discussion
Learning Methods Related with Medical practices:
• Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures • Interdisciplinary learning activities (meetings, panels, group discussions) • Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) • Independent learning • Learning based on projects and researches
Learning Methods Related with Professionalism
• Interdisciplinary education activities (meetings, panels, group debates) • Critical situation discussionsı • Reflection sessions • Written visual texts readings and interpretations • Student development file (portfolio) application • On-the-job learning and assessment (MiniPET)

7. SESSION V PSYCHIATRY CLERKSHIP - "STUDENT TRAINEE REPORT"

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the "Atatürk University Faculty of Medicine Trainee Report" which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkshipresponsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION V PSYCHIATRY CLERKSHIP STUDENT TRAItNEE REPORT			
Name:……Surname:……. **Student Number: Date::……/……/……**			
I-Basic Medicine Practices	**Learning Level****	**Number of Applications**	**Teaching Staff Approval (Date)**
A. Taking Anamnesis			
Taking anamnesis according to the patients symptoms	**4**	**1**	
B. Physical Examination (General and Problem-Oriented)			
Mental Examination	**3**	1	
C. Registration, Reporting and Notification			
Writing appropriate prescriptions in case of emergency and mild disease	**4**	1*	
Writing Prescription	**4**	1*	
Preparing patient file and presentation of the patient	**4**	1	
D. Laboratory Tests and Other Related Processes			
Evaluating ability of laboratory findings	**4**	3	
Choosing the needed brain imaging and electrophysiological techniques	**4**	3*	
Choosing the appropriate psychological and neuropsychological tests and basically evaluation	**3**	3	
E. Interventional and Non-Interventional Applications			
Interventions to emergent psychiatric situations	**3**	1*	
Rational medication use	**3**	1	
Intervention to suicide	**2**	1	
Minimental State Examination	**3**	1	
Diagnosing and planning treatment according to anamnesis and examination	**3**	1	
I-Total Basic Medicine Practice score (out of 5 point)			
Impression about the student-Features on Professionalism (will be marked by academics)			
Compliance with internship program			
Compliance with group work			
II- Impression about the student-Professional Features appropriate for Physician (Evaluated by the Department trainers) **Total Professionalism score (out of 5 point)**			
III-Clinical Problem Solving (out of 5) (Marked given from the performance shown in **Case Based Learning sessions)**			
TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)			
Teaching Staff Head of Department **Date and Sign Date and Sign**			

*****Performing or monitoring on the patient or in the simulation lab with Teaching Staff

****Learning Level****

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.

*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.

8. SESSION V PSYCHIATRY CLERKSHIP - ASSESSMENT AND EVALUATION METHODS

ASSESSMENT AND EVALUATION METHODS IN PSYCHIATRY CLERKSHIP

ACTICAL-ORAL EXAMINATION

- **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)
  - **Basic Medicine Practices** (5%).
  - **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).
  - **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5)
- **Practical Exam:** It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%)

Sınavınızda hasta başı sınav yapıyorsanız Anabilim Dalının takdirine göre 15 puan verilebilir bilgi veriniz.Bu bölümle ilgili uygulamanız yoksa sözlü puanı 85 e çıkarılmalı Lütfen bu bölümü silmeyi unutmayınız)

- **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information).Total contribution to the Practical-Oral Examination(70 %)
- Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.
- Students who fail the practical-oral examination, take the make-up exam.
- Students who fail the practical-oral examination cannot take the Theoretical (multiple choice-written) exam.

THEORETICAL EXAM

- It consists of a total of 50 multiple choice questions and case-based multiple choice questions (evaluating clinical information and clinical right decision giving performance).
- Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful.
- Students who fail the theoretical examination, take the make-up exam.

SUCCESS GRADE

- Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.

MAKE-UP EXAM

- If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.

SESSION V NEUROLOGY CLERKSHIP GUIDE

Code	MED509	**Type**	Compulsory
Period	3 weeks	**ECTS**	5

NEUROLOGY CLERKSHIP - Prerequisite Courses	
1	Taken the pre-clinical courses
2	Taken courses in the relevant committee (s) in session 3

REFERENCES (RESOURCE BOOK - OTHERS)	
1.	Up To Date
2.	*Adams and Victor's Principles of Neurology* *ISBN:* 9780071842617

SESSION V NEUROLOGY CLERKSHIP- RULES FOR STUDENTS	
1	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
2	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
3	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
4	Students are obliged to keep the **"Ataturk University Faculty of Medicine Trainee Report"** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
5	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
6	**In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in "Atatürk University Faculty of Medicine Teaching and Exam Application Principles".
7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at "http://anket.atauni.edu.tr". The participation link to the survey will be sent to the students by the dean's management.

1. SESSION V NEUROLOGY CLERKSHIP - OBJECTIVE OF THE PROGRAM

OBJECTIVE OF THE NEUROLOGY CLERKSHIP PROGRAM	
8.	To be able to make a preliminary diagnosis by evaluating the central and peripheral nerve anatomy, physiological features, signs and symptoms of related diseases.
9.	Defining emergencies for neurology and making emergency treatment.
10.	To be able to create and apply treatment plan in necessary clinical situations within the scope of education level criteria.
11.	To be able to provide referral when necessary after emergency intervention and treatment.
12.	Comprehend the importance of establishing a good patient-physician and physician-physician communication and develop their skills.
13.	It can provide the knowledge, skills and professionalism features set for the internship.

2. SESSION V NEUROLOGY CLERKSHIP - LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
Contribution levels	5	4	4	3	3	4	3	4	2	4	3	2	2	1	1	2	3	2	2	3
Program Qualifications	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**								
Contribution levels	3	3	3	3	3	2	2	2	3	3	2	1								

Contribution levels: *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

3. SESSION V NEUROLOGY CLERKSHIP - LEARNING OBJECTIVES

A. Frequent reasons for application: Competence is expected in terms of Clinical Symptoms / Signs / Status during the Neurology clerkship period

SESSION V NEUROLOGY CLERKSHIP- ***LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS***					
1.	Headache	10	Speech disorders (aphasia, dysphasia, dysarthria, stuttering, etc.)	18	Syncope
2.	Vertigo	11	Chronic pain	19	Recurrent falls
3.	Consciousness changes	12	Having a seizure	20	Tremor
4.	Cognitive disorders / forgetfulness	13	Neuropathic pain	21	Urinary incontinence
5.	Double vision	14	Paresthesia		
6.	Problems with balance / movement	15	Paresis, paralysis		
7.	Visual impairment / loss	16	Ptosis		
8.	Movement disorders	17	Pupil changes		
9.	Muscle weakness				

B. In terms of knowledge: It is expected to have knowledge at the levels determined in the **"Diseases / Clinical Problems"** listed below during the Neurology clerkship period.

SESSION V NEUROLOGY CLERKSHIP- ***CLINICAL PROBLEM LEARNING LEVELS***	
LEARNING LEVELS	**CLINICAL PROBLEM**
In the clinical problems mentioned in the column next to; **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary**	4) Epilepsy (6) Facial paralysis (7) Transient ischemic attack (10) Stroke (11) Intracranial hemorrhages (12) Intracranial pressure increase syndrome (KIBAS; acute cerebrovascular events) (14) Koma (15) Migraine (17) Myastenia gravis and cholinergic crisis
In the clinical problems mentioned in the column next to; **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert**	(1) Alzheimer's disease (2) Ataxic disorders (3) Cognitive (cognitive) disorders (Dementia) (4) Epilepsy (5) Essential tremor (9) Guillain - Barré syndrome (13) Muscular diseases (myopathies) (16) Multiple sclerosis (18) Optical neuritis (19) Parkinson's disease (20) Peripheral neuropathy (21) Polymyositis and dermatomyositis (22) Poliomyelitis

In the clinical problems mentioned in the column next to; **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures**	(6) Facial paralysis (15) Migraine
In the clinical problems mentioned in the column next to; **Be able to Diagnose and Treat (DT)**	(8) Tension-type headache
In the clinical problems mentioned in the column next to; **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)**	(1) Alzheimer's disease (3) Cognitive (cognitive) disorders (Dementia) (4) Epilepsy (10) Stroke (15) Migraine (22) Poliomyelitis
In the clinical problems mentioned in the column next to; **be able to follow up (F) in necessary cases**	(1) Alzheimer's disease (3) Cognitive (cognitive) disorders (Dementia) (4) Epilepsy (10) Stroke (15) Migraine

C. In terms of skill: It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Neurology clerkship period.

SESSION V NEUROLOGY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	**BASIC MEDICINE APPLICATIONS**
Skills specified in the adjacent column; **Knows** how to practice and **explains** the results to patients and / or relatives **(LEARNING LEVEL 1)**	(14) Ability to perform lumbar puncture
Skills specified in the adjacent column; **In an emergency**, performs the application in accordance **with the guide / instruction** **(LEARNING LEVEL 2)**	---
Skills specified in the adjacent column; performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application** **(LEARNING LEVEL 3)**	(2) To evaluate the mental situation (5) Neurological examination (11) To be able to interpret the results of screening and diagnostic purposes (15) Minimental status examination
Skills specified in the adjacent column; Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application** **(LEARNING LEVEL 4)**	(1) To be able to take general and problematic stories (3) Consciousness assessment (4) Evaluation of general condition and vital signs (6) Illumination and consent (7) To prepare patient file (8) Editing a recipe (9) To fill the request form for laboratory examination (10) To be able to take the laboratory sample under appropriate conditions and to deliver it to the laboratory. (12) Evaluation of Glasgow / AVPU coma scale (13) To be able to refer patients appropriately

D. In terms of Behavioral, Social and Humanities: It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the Neurology clerkship period

SESSION V NEUROLOGY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	Work and health interaction
	(1) The effect of the disease on work and return to work after the disease (rehabilitation)
	Chronic / Noncommunicable Diseases
	(2) Monitoring and prevention of risk factors (3) Management

E. In terms of Professionalism: Attitudes listed below are expected to be gained during the period of Internal Medicine clerkship

ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE INTERNAL MEDICINE CLERKSHIP
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine. 2. Rights-based health approach 3. Communication skills, communication in difficult situations, interpersonal relations and teamwork 4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine. 5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities. 6. Patient rights, physician responsibility, patient-physician relationship. 7. Problems and dilemmas for professionalism / ethics in health processes. 8. Legal problems in health processes. 9. Research and publication ethics. 10. Determinants of health, inequality in health, social gender and health. 11. Health systems, health policies. 12. Health economics and management. 13. Reflective thinking and practice, continuous individual and professional development, education and consultancy. 14. Work culture in coordination with other members of the team and disciplines 15. Being able to share their knowledge and professional experience with other members of the team,

4. SESSION V NEUROLOGY CLERKSHIP - WEEKLY COURSE PROGRAM

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	1. Week		
Monday	Patient Visiting	08:00 - 10:00	
	Information about internships and professional values in clinical practice	10:00 - 11:00	Asst. Prof. Filiz DEMİRDÖĞEN
	Neurological Examination-1	11:10 - 12:00	Asst. Prof. Filiz DEMİRDÖĞEN
	Neurological Examination-2	13:30 - 14:30 14:40 - 15:30	Asst. Prof. Filiz DEMİRDÖĞEN
	Free working	16:00 - 17:00	
Tuesday	Seminar presentation	08:00 - 10:00	
	Cerebrovascular Diseases -1	10:00 - 11:00	Asst. Prof. Alper EREN
		11:10 - 12:00	
	Cerebrovascular Diseases -2	13:30 - 14:30	Asst. Prof. Alper EREN
		14:40 - 15:30	
	Case-based Learning	16:00 - 17:00	Asst. Prof. Alper EREN
Wednesday	Patente Visiting	08:00 - 10:00	Asst. Prof. Alper EREN
	Cerebrovascular Diseases -3	10:00 - 11:00	Asst. Prof. Alper EREN
		11:10 - 12:00	
	Elective course / Free working	13:30 - 17:00	
Thursday	Case Presentation	08:00 - 10:00	
	Cranial Nerves	10:00 - 11:00 11:10 - 12:00	Asst. Prof. Yunus Emre AKTAŞ
	Speech Disorders	13:30 - 14:30 14:40 - 15:30	Asst. Prof. Alper EREN
	Case-based Learning	16:00 - 17:00	Assoc. Prof. Recep YEVGİ
Friday	Patient Visiting	08:00 - 10:00	
	Epilepsy -1	10:00 - 11:00 11:10 - 12:00	Assoc. Prof. Fatma ŞİMŞEK
	Epilepsy -2	13:30 - 14:30 14:40 - 15:30	Assoc. Prof. Fatma ŞİMŞEK
	Case-based learning	16:00 - 17:00	Assoc. Prof. Mustafa CEYLAN
	2. Week		
Monday	Patient Visit	08:00 - 10:00	
	Movement Disorders -1	10:00 - 11:00 11:10 - 12:00	Assoc. Prof. Mustafa CEYLAN
	Movement Disorders -2	13:30 - 14:30 14:40 - 15:30	Assoc. Prof. Mustafa CEYLAN
	Case-based learning	16:00 - 17:00	Assoc. Prof. Nuray bilge
Tuesday	Seminar Presentation	08:00 - 10:00	
	Consciousness Disorders	10:00 - 11:00 11:10 - 12:00	Assoc. Prof Mehmet Nuri KOÇAK
	Brain Death and Ethical Approach	13:30 - 14:30 14:40 - 15:30	Asst. Prof. Nazım KIZILDAĞ
	Case-based learning	16:00 - 17:00	Assoc Prof. FATMA ŞİMŞEK
Wednesday	Patient Visit	08:00 - 10:00	
	Demyelinating Diseases and Multiple Sclerosis-1	10:00 - 11:00 11:10 - 12:00	Assoc. Prof. Nuray BİLGE
	Free working	13:30 - 17:00	
Thursday	Case Presentation	08:00 - 10:00	
	Headaches-1	10:00 - 11:00 11:10 - 12:00	Assoc Prof. Mehmet Nuri KOÇAK
	Demyelinating Diseases and Multiple Sclerosis-2	13:30 - 14:30 14:40 - 15:30	Assoc. Prof. Nuray BİLGE
	Case-based learning	16:00 - 17:00	Assoc. Prof. Mehmet Nuri KOÇAK
Friday	Patient Visit	08:00 - 10:00	
	Muscle Diseases	10:00 - 11:00 11:10 - 12:00	Assoc. Prof. Recep YEVGİ
	Neuromuscular Junction Disorders	13:30 - 14:30 14:40 - 15:30	Assoc. Prof. Recep YEVGİ
	Case-based learning	16:00 - 17:00	Asst. Prof. Nazım KIZILDAĞ
Monday	**3. Week**		

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	Patient Visit	08:00 - 10:00	
	Cognitive Disorders	10:00 - 11:00 11:10 - 12:00	Assoc. Prof. Mustafa CEYLAN
	Behavioral Disorders-Delirium	13:30 - 14:30 14:40 - 15:30	Assoc. Prof. Mustafa CEYLAN
	Free working	16:00 - 17:00	-
Tuesday	Seminar Presentation	08:00 - 10:00	
	Medulla Spinalis Diseases -1	10:00 - 11:00 11:10 - 12:00	Assist Prof. Filiz DEMİRDÖĞEN
	Medulla Spinalis Diseases -2	13:30 - 14:30 14:40 - 15:30	Assoc. Prof. Filiz DEMİRDÖĞEN
	Free working	16:00 - 17:00	
Wednesday	Patient Visit	08:00 - 10:00	
	Polyneuropathies -1	10:00 - 11:00 11:10 - 12:00	Assoc. Prof. Recep YEVGİ
	Elective course / Free working	13:30 - 17:00	-
Thursday	Practice Examination	08:00 - 17:00	Practical Exam with Patient
Friday	Oral examination	08:00 - 12:00	
	Theoretical examination	13:00 - 17:00	Oral and Theoretical examination

5. SESSION V NEUROLOGY CLERKSHIP - MATCHING COURSES WITH LEARNING OBJECTIVES

MATCHING SESSION V NEUROLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

Code	Lesson Topic	Teaching Staff	Theoretical lesson	Practical lesson	Symptoms / Conditions	Clinical problem	Basic Medical Practices	Behavioral, Social and Humanities
NEU001	Neurological Examination	*Assoc. Prof. Fatma ŞIMŞEK*	6	3	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,	1,2,3,4,5,6,7,8,9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	1,2,3,4,5,6,7,8,9,12,15	---
NöRO002	Cerebrovascular Diseases	*Asst. Prof. Alper EREN*	6	3	1,2,3,4,5,6,7,,9,10,12,14,15,16,17,18,21	7,10,11,12,14	1,2,3,4,5,6,7,8,9,10 11,12,13,14	1,2,3
NöRO003	Consciousness Disorders	*Assoc. Prof. Mehmet Nuri KOÇAK*	2	1	1,2,3,4,10,12,17,18	10,11,12,14	1,3,4,5,6,7,9,10 11,12,13,14	1
NöRO004	Cranial Nerves	*Assoc. Prof. Mehmet Nuri KOÇAK*	2	2	1,2,3,4, 5,7,10, 11, 13, 16,17	6,9,10,11,12,12,14,16,18	1,3,4,5,7,9,10 11,13	---
NöRO005	Movement Disorders	*Assoc. Prof.* Mustafa CEYLAN	6	2	6,8,19,20	2,5,19,	1,3,3,4,5,6,7,9,10,11,13	1,2,3
NöRO006	Epilepsy	*Assoc. Prof. Fatma ŞIMŞEK*	4	3	3,12,18	3,21	1,3,4,5,7,9,10 11,13	2,3
NöRO007	Speech Disorders	*Asst. Prof. Alper EREN*	4	3	3,4,10,	2,7,10,11,14,15,16	1,3,4,5,9,10 11,13	1
Nöro-008	Brain Death and Ethical Approach	*Assoc. Prof. Mehmet Nuri KOÇAK*	2	1	3,17	10,11,12,14,	1,4,5,7,9,10 11,12,13	---

Nöro-009	Headaches	*Assoc. Prof. Mehmet Nuri KOÇAK*	4	2	2,3,5,6,10,13,16, 17,	8,10,11,12,15,	1,3,4,5,7,8,9, 10,11,13	3
Nöro-010	Muscle Diseases	*Asst. Prof.* Recep YEVGI	4	2	9,16,	13,17	1,4,5,7,9,10 11,13	1,2,3
Nöro-011	Neuromuscular Junction Disorders	*Asst. Prof.* Recep YEVGI	4	2	5,9,16	17	1,4,5,7,9,10 11,13	1,2,3
Nöro-012	Demyelinating Diseases	*Asst. Prof. Nuray BILGE*	6	3	2,5,6,7,9,10,11, 12, 13, 14, 15, 17, 19,20,21	16,18	1,2,4,5,6,7,8,9, 10, 11,13,14	1,2
Nöro-013	Cognitive Disorders	*Assoc. Prof.* Mustafa CEYLAN	2	2	3,4,10	1,3	1,4,5,6,7,9,10 11,12,13,15	1,2
Nöro-014	Behavioral Disorders-Delirium	*Assoc. Prof.* Mustafa CEYLAN	2	2	3,4,10	1,3	1,2,3,4,5,7,9, 10, 11,13,15	1,2
Nöro-015	Medulla Spinalis Diseases	*Assoc. Prof. Nuray BILGE*	4	3	6,13,14,15,19	16	1,4,5,9,10, 11, 13	1
Nöro-016	Polyneuropathies	*Assoc. Prof. Nuray BILGE*	2	2	6,9,11,13,14,15, 19	9,20	1,4,5,7,9,10 11,13	1

6. SESSION V NEUROLOGY CLERKSHIP - LEARNING METHODS

LEARNING METHODS OF NEUROLOGY CLERKSHIP PROGRAM
Learning Methods Related with Knowledge:
• Structured learning activities in clinical skill laboratories and simulated patient centers • Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences • On-the-job learning and assessment • Structured case discussion
Learning Methods Related with Medical practices:
• Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures • Interdisciplinary learning activities (meetings, panels, group discussions) • Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) • Case-based evaluation • Independent learning
Learning Methods Related with Professionalism
• Critical situation discussionsı • Reflection sessions • Written visual texts readings and interpretations • Student development file (portfolio) application • On-the-job learning and assessment (MiniPET)

7. SESSION V NEUROLOGY CLERKSHIP - "STUDENT TRAINEE REPORT"

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the "Atatürk University Faculty of Medicine Trainee Report" which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE- SESSION V NEUROLOGY CLERKSHIP STUDENT TRAINEE REPORT			
Name:……Surname:……. **Student Number:**		**Date::…../……/……**	
I- Basic Medicine Practices	**Learning Level****	**Number of Applications**	**Teaching Staff Approve (Date)**
A. Taking Anamnesis			
To be able to take general and problematic stories	4	2*	
To evaluate the mental situation	4	2*	
B. Physical Examination (General and Problem-Oriented)			
Evaluation of general condition and vital signs	4	3*	
Neurological examination	3	3*	
Consciousness Evaluation	4	2*	
C. Registration, Reporting and Notification			
Preparing a patient file	4	2*	
Ability to edit a recipe	4	2*	
Lighting and consent	4	2*	
D. Laboratory Tests and Other Related Processes			
Taking the laboratory sample under suitable conditions and sending it to the laboratory under suitable conditions	4	2*	
Filling the request form for laboratory examination	4	2*	
To be able to interpret the results of screening and diagnostic purposes	3	2*	
E. Interventional and Non-Interventional Applications			
Lumbar puncture	1	2	
Evaluation of Glasgow / AVPU coma scale	4	3*	
Minimental status examination	3	2*	
Ability to refer the patient appropriately	4	1*	
I-Total Basic Medicine Practice score (out of 5 point)			
II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers) **Total Professionalism score (out of 5 point)**			
III- Clinical Problem Solving (out of 5) (Given from the performance shown in **Case Based Learning sessions)**			
TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)			
Teaching Staff **Date and Sign**		**Head of Department** **Date and Sign**	

***** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

****Learning Level****

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.

*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.

8. SESSION V NEUROLOGY CLERKSHIP - ASSESSMENT AND EVALUATION METHODS

ASSESSMENT AND EVALUATION METHODS IN SESSION V NEUROLOGY CLERKSHIP
PRACTICAL-ORAL EXAMINATION

• **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)
  ➢ **Basic Medicine Practices** (5 %).
  ➢ **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (%).5
  ➢ **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (% 5)
• **Practical Exam:** It is performed by the direct observation and evaluation of practical / interventional skills. Total contribution to the Practical-Oral Examination (15%)
• **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %)
• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.
• Students who fail the practical-oral examination, take the make-up exam.
• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice- written) exam.

THEORETICAL EXAM
• It consists of a total of 50 (written and / or multiple choice) questions. • Written and / or multiple choice questions evaluating clinical information and written and / or multiple choice questions depending on the case evaluating clinical decision making • Not scoring less than 60 points out of 100 in the theoretical (written and / or multiple choice) exam, is considered unsuccessful. • The evaluation that fails the theoretical (written and / or multiple choice) exam takes the make-up exam of the internship.
SUCCESS GRADE
• Internship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical (written and / or multiple choice) exam.
MAKE-UP EXAM
If the student who does not take the practical-verbal or theoretical (multiple choice) exam or fails, does not take the make-up exams or fails the make-up exam, he / she is considered unsuccessful from that internship and repeats that internship.

SESSION V NEUROSURGERY CLERKSHIP GUIDE

Code	MED501	**Type**	Compulsory
Period	2 weeks	**ECTS**	4

NEUROSURGERY CLERKSHIP-Prerequisite Courses	
1	Taken the pre-clinical courses
2	Taken courses in the relevant committee (s) in session 3

REFERENCES (RESOURCE BOOK-OTHERS)	
1.	Nöroşirürji Ders Kitabı/Hakan Hadi Kadıoğlu
2.	Temel Nöroşirurji /Türk Nöroşirurji Derneği Yayınları
3.	Temel Nöroşirurji /Kemal Benli
4.	Nöroşirurji El Kitabı/Mark S. Greenberg
5.	Resimli Nöroloji ve Nöroşirurji/Mustafa Bozbuğa
6.	Youmans Neurological Surgery/Richard Winn

NEUROSURGERY CLERKSHIP-RULES FOR STUDENTS	
1	Clerkship training starts at 08.00 a.m and ends at 5 p.m.
2	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
3	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms/ conditions, core diseases/clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to obey during the clerkship.
4	Students are obliged to keep the **"Ataturk University School of Medicine Trainee Report"** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
5	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
6	**In order to be successful at the end of the clerkship; s**tudents are required to take at least 60 point from each Practical and Theoretical exams, in Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in "Atatürk University School of Medicine Teaching and Exam Application Principles".
7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; digitally feedbacks will be made on the web address at "http://anket.atauni.edu.tr". The participation link to the survey will be sent to the students by the dean's management.

1. SESSION V NEUROSURGERY CLERKSHIP - OBJECTIVE OF THE PROGRAM

OBJECTIVE OF THE NEUROSURGERY CLERKSHIP PROGRAM	
1.	To be able to make a preliminary diagnosis by evaluating the central and peripheral nervous system and spine anatomy, physiological features, signs and symptoms of the diseases affecting them.
2.	To be able to perform emergency treatment by defining the emergencies for the nervous system and spine
3.	To be able to design and perform a treatment plan in necessary clinical situations within the scope of education level criteria
4.	To be able to provide referral when necessary after emergency intervention and treatment
5.	To demonstrate protective and rehabilitative approaches in cases of brain and spinal cord diseases causing disability
6.	To gain the knowledge, skills and professionalism characteristics determined for the internship.

2. SESSION V NEUROSURGERY CLERKSHIP - LEARNING OUTCOMES

Contribution levels to"Ataturk University School of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Contribution levels	5	4	4	3	3	4	3	4	2	4	3	2	2	1	1	2	3	2	2	3
Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32								
Contribution levels	3	3	3	3	3	2	2	2	3	3	2	1								

Contribution levels: *-:no contribution 1very low 2 low 3 intermediate 4 high 5 very high*

3. SESSION V NEUROSURGERY CLERKSHIP - LEARNING OBJECTIVES

A. Frequent reasons for application: Competence is expected in terms of Clinical Symptoms/Signs/ Status during the Neurosurgery clerkship period

1.	Headache	9.	Speech disorders (aphasia, dysphasia, dysarthria, etc.)
2.	Vertigo	10.	Seizures
3.	Back and lomber pain	11.	Neuropathic pain
4.	Cervical pain	12.	Parestesia

5.	Consciousness changes	13.	Paresis, Paralysis
6.	Nausea and vomiting	14.	Pitosis
7.	Visual impairment/loss	15.	Pupil changes
8.	Hearing impairment and tinnitus	16.	Balance and movement disorders

B. In terms of knowledge: It is expected to have knowledge at the levels determined in the **"Diseases / Clinical Problems"** listed below during the Neurosurgery clerkship period.

NEUROSURGERY CLERKSHIP- ***CLINICAL PROBLEM LEARNING LEVELS***	
LEARNING LEVELS	**CLINICAL PROBLEM**
In the clinical problems mentioned in the column next to; **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary**	1. Epilepsy 2. Intracranial hemorrhages 3. Increased intracranial pressure (Acute cerebrovascular diseases) 4. Coma 5. Head Trauma 6. Spinal Trauma
In the clinical problems mentioned in the column next to; **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert**	7. Ataxia disorders 8. Hidrocephalus 9. Intracranial mass 10. Peripheral neuropathy 11. Spinal cord compressions
In the clinical problems mentioned in the column next to; **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures**	12. Disc Herniations 13. Congenital malformations 14. Epilepsy 15. Neural Tube Defects
In the clinical problems mentioned in the column next to; **Be able to Diagnose and Treat (DT)**	

In the clinical problems mentioned in the column next to; **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)**	16. Disc Herniations 17. Congenital Malformations 18. Epilepsy 19. Neural Tube Defects
In the clinical problems mentioned in the column next to; **be able to follow up (F) in necessary cases**	20. Epilepsy

C. In terms of skill: It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Neurosurgery clerkship period.

NEUROSURGERY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	**BASIC MEDICINE APPLICATIONS**
Skills specified in the adjacent column; **Knows** how to practice and **explains** the results to patients and/or relatives **(learning level 1).**	--------
Skills specified in the adjacent column; **in an emergency situation**, performs the application in accordance **with the guide/ instruction** **(learning level 2).**	--------
Skills specified in the adjacent column; performs pre-assessment/evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application** **(learning level 3).**	1. Neurologic examination 2. Preparing a forensic report 3. To be able to prepare health reports in accordance with current legislation 4. To be able to evaluate direct radiographs 5. To be able to interpret the results of screening and diagnostic purposes 6. Airway application 7. Evaluation of multiple trauma patients 8. Ability to open vascular access 9. To take measures to stop/limit external bleeding 10. Ability to take biological sample from the patient 11. Ability to put urinary catheter 12. Ability to provide advanced life support 13. Being able to take samples for culture 14. Enema applying

	15. To be able to put nasogastric catheter 16. Ability to care for wound /burns 17. Being able to apply the principles of evidence-based medicine in the clinical decision making process.
Skills specified in the adjacent column; Pre-evaluate the application including **complex** situations/cases, creates the necessary plans and informs the patients and their relatives **and does the application (learning level 4).**	18. Taking medical history 19. Evaluation of consciousness 20. Evaluation of the general condition and vital signs 21. Illumination and obtaining consent 22. Being able to prepare epicrisis 23. To be able to prepare patient file 24. To be able to issue a recipe 25. To be able to prepare refusal of treatment 26. To be able to provide decontamination, disinfection, sterilization, antisepsis 27. Filling out the request form for laboratory examination 28. Hand washing 29. To be able to evaluate Glasgow/AVPU coma scale 30. To ensure that the patient is properly transported 31. To be able to give the patient a coma position 32. To be able to refer the patient appropriately 33. IM, IV, SC, ID injection 34. To be able to measure blood pressure 35. To be able to apply cervical collar (neck collar) 36. Ability to provide basic life support 37. Ability to shoot and take superficial sutures

D.In terms of Behavioral, Social and Humanities: It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the Neurosurgery clerkship period

NEUROSURGERY CLERKSHIP–LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
1.	**13. Accidents** b. Traffic accidents
2.	**18. Death, dying individual and mourning** c. Telling the bad situation or death of a person
3.	**30. Malpractice and unprofessional behavior** a. Malpractice

E. In terms of professionalism: Attitudes listed below are expected to be gained during the period of Neurosurgery clerkship

ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THENEUROSURGERY CLERKSHIP
1. Totalitarian approach to health (bio-psycho-social and cultural approach), patien -centered approach, community oriented medicine.
2. Rights-based health approach.
3. Communication skills, communication in difficult situations, interpersonal relations and teamwork.
4. History of medicine and thought/values, physician identity and awareness, roles and limits of medicine.
5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities.
6. Patient rights, physician responsibility, patient-physician relationship.
7. Problems and dilemmas for professionalism/ethics in health processes.
8. Legal problems in health processes.
9. Research and publication ethics.
10. Determinants of health, inequality in health, social gender and health.
11. Health systems, health policies.
12. Health economics and management.
13. Reflective thinking and practice, continuous individual and professional development, education and consultancy.
14. Work culture in coordination with other members of the team and disciplines.
15. Being able to share their knowledge and professional experience with other members of the team.

4. SESSION V NEUROSURGERY CLERKSHIP - WEEKLY COURSE PROGRAM

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	1. Week		
Monday	Information about the clerkship- Ethical and professional values in clinical practice	08.10-09.00	Prof. Hakan Hadi KADIOĞLU
	Neurologic Examination (Flipped classroom)	09.10-10.00	Dr. Öğr. Üys. Muhammet ELVEREN
	Head Traumas	10.10-11.00	Prof. Hakan Hadi KADIOĞLU
	Free Working Time	11.10-12.00	
	Clinics (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	13.30-17.00	Responsible Trainer of Clerkship
Tuesday	Clinic Visit	08.10-09.00	Prof. Gökşin ŞENGÜL
	Hydrocephalus	09.10-10.00	Prof. Gökşin ŞENGÜL
	Free Working Time	10.10-12.00	
	Clinics (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	13.30-17.00	Responsible Trainer of Clerkship
Wednesday	Clinic Visit	08.10-09.00	Prof. Mürteza ÇAKIR
	Brain Tumors	09.10-10.00	Prof. Mürteza ÇAKIR
	Free Working Time	10.10-11.00	
	Case-Based Learning (CBL) Session 1	11.10-12.00	Responsible Trainer of Clerkship
	Optional/ Free Working Time	13.30-17.00	
Thursday	Clinic Visit	08.10-09.00	Prof. Mürteza ÇAKIR
	Intervertebral Disc Herniations	09.10-10.00	Prof. Mürteza ÇAKIR
	Free Working Time	10.10-12.00	
	Clinics (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	13.30-17.00	Responsible Trainer of Clerkship
Friday	Seminar	08.10-09.00	
	Congenital Spinal Malformations	09.10-10.00	Doç. Dr. Mehmet Emin AKYÜZ

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	Free Working Time	10.10-12.00	
	Clinics (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	13.30-17.00	Responsible Trainer of Clerkship
	2. Week		
Monday	Clinic Visit	08.10-09.00	Prof. Gökşin ŞENGÜL
	Spine and Spinal Cord Injuries	09.10-10.00	Prof. Gökşin ŞENGÜL
	Free Working Time	10.10-11.00	
	Surgıcal Neuroanatomy	11.10-12.00	Dr. Öğr. Üys. Muhammet ELVEREN
	Clinics (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	13.30-17.00	Responsible Trainer of Clerkship
Tuesday	Clinic Visit	08.10-09.00	Assoc. Prof. Mete ZEYNAL
	Increased Intracranial Pressure, Brain Edema, Herniation Syndromes	09.10-10.00	Assoc. Prof. Mete ZEYNAL
	Free Working Time	10.10-12.00	
	Clinics (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	13.30-17.00	Responsible Trainer of Clerkship
Wednesday	Clinic Visit	08.10-09.00	Assoc. Prof. Mehmet Emin Akyüz
	Subarachnoid Haemorhages and Aneurysms	09.10-10.00	Assoc. Prof. Mehmet Emin Akyüz
	Free Working Time	10.10-11.00	
	Case-Based Learning (CBL) Session 3	11.10-12.00	Responsible Trainer of Clerkship
	Optional/ Free Working Time	13.30-17.00	
Thursday	Clinic Visit	08.10-09.00	Prof. Mehmet Dumlu AYDIN
	Peripheral Nerve Injuries	09.10-10.00	Prof. Mehmet Dumlu AYDIN
	Free Working Time	10.10-12.00	
	Clinics (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	13.30-17.00	Responsible Trainer of Clerkship
Friday	Seminar	08.10-09.00	
	Practical Exam	09.10-12.00	
	Theorical Exam	13.30-14.30	
	Post-internship feedback meeting	14.40-17.00	

5. SESSION V NEUROSURGERY CLERKSHIP - MATCHING COURSES WITH LEARNING OBJECTIVES

MATCHING NEUROSURGERY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

Code	Lesson Topic	Teaching Staff	Theoretical lesson	Practical lesson	Symptom/ Conditions	Clinical problem	Basic Medical Practices	Behavioral, Social and Humanities
NRS001	Increased intracranial pressure, Brain Edema, Herniation Syndromes	Dr. HH. Kadıoğlu	1		1, 2, 4, 6, 8, 10, 11, 14, 15, 16	1, 2, 3, 4, 5, 7, 8, 9, 14, 18, 20	1, 3, 4, 5, 6, 8, 11, 12, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29, 31, 32, 33, 34, 37	2, 3
NRS002	Subarachnoid Hermorrhage and Brain Aneurysms	Dr. G. Şengül	1		1, 2, 4, 6, 8, 10, 11, 14, 15, 16	1, 2, 3, 5, 7, 14, 18, 20	1, 3, 5, 6, 8, 11, 12, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 37	2, 3
NRS003	Spine and Spinal Cord Injuries	Dr. MK. Karadağ	1		3, 5, 12, 13, 14	6, 7, 10, 11	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 14, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 33, 34, 35, 37	1, 2, 3
NRS004	Disc Herniations	Dr. M. Çakır	1		3, 5, 7, 12, 13, 14	10, 11, 12, 16	1, 2, 4, 11, 16, 17, 18, 20, 21, 22, 23, 24, 25, 27, 28, 33, 37	3

NRS005	Hydrocephalus	Dr. M.E. Akyüz	1		1, 2, 4, 6, 7, 8, 10, 11, 16	1, 3, 5, 8, 13, 14, 18, 20	1, 3, 5, 6, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 31, 32, 33, 34, 36	2, 3
NRS006	Brain Tumors	Dr. MH. Şahin	1		1, 2, 4, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16	1, 3, 5, 9, 14, 18, 20	1, 3, 4, 5, 6, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 35, 36, 37	2, 3
NRS007	Head Traumas	Dr. MK. Karadağ	1		1, 2, 4, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16	1, 2, 3, 4, 5, 7, 9, 14, 18, 20	1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37	1, 2, 3
NRS008	Congenital Spinal Malformations	Dr. M. Zeynal	1		7, 12, 13, 14	11, 13, 15, 17, 19	1, 3, 4, 5, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 33, 34, 35, 36	2, 3
NRS009	Peripheral Nerve Injuries	Dr. MD. Aydın	1		12, 13, 14	10	1, 2, 3, 4, 5, 7, 8, 9, 16, 17, 18, 20, 21, 22, 23, 24, 25, 26, 28, 33, 34, 37	3

6. SESSION V NEUROSURGERY CLERKSHIP - LEARNING METHODS

LEARNING METHODS OF NEUROSURGERY CLERKSHIP PROGRAM
Learning Methods Related with Knowledge:
• Structured learning activities in clinical skill laboratories and simulated patient centers • Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences • On-the-job learning and assessment • Structured case discussion
Learning Methods Related with Medical practices:
• Classroom lecture/presentation: Lecture, tutorial presentation, interactive classroom lectures • Interdisciplinary learning activities (meetings, panels, group discussions) • Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) • CBL (Case-based learning) • Independent learning
Learning Methods Related with Professionalism
• Critical situation discussions • Written visual texts readings and interpretations • Student development file (portfolio) application • On-the-job learning and assessment (MiniPET)

7. SESSION V NEUROSURGERY CLERKSHIP - “STUDENT TRAINEE REPORT”

The skills in the field of basic medicine practices expected in the Term V Trainee student are evaluated with the “Atatürk University School of Medicine Trainee Report” which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY SCHOOL OF MEDICINE-SESSION V NEUROSURGERY CLERKSHIP STUDENT TRAINEE REPORT			
Name:……Surname:……. **Student Number:** **Date::…../……/……**			
I-Basic Medicine Practices	**Learning Level****	**Number of Applications**	**Teaching StaffApprove (Date)**
A. Taking Anamnesis			
To be able to take medical history	**4**	**5***	
B. Physical Examination (General and Problem-Oriented)			
Neurological Examination	**3**	5*	
Evaluation of Consciousness and Approach to Coma Patient	**4**	5*	
C. Registration, Reporting and Notification			
Writing prescriptions	**4**	5*	
Preparing a patient file	**4**	3*	
D. Laboratory Tests and Other Related Processes			
Taking the laboratory sample under suitable conditions and sending it to the laboratory under suitable conditions	**4**	5*	
Filling the request form for laboratory examination	**4**	5*	
To be able to interpret the results of screening and diagnostic purposes	**3**	5*	
E. Interventional and Non-Interventional Applications			
Wound-burn care	**3**	1*	
LP	**1**	1*	
I-Total Basic Medicine Practice score (out of 5 point)			
II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers) **Total Professionalism score (out of 5 point)**			
III-Clinical Problem Solving (out of 5) (Given from the performance shown in **Case Based Learning sessions)**			
TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)			
Teaching Staff **Date and Sign**		**Head of Department** **Date and Sign**	

*****Performing or monitoring on the patient or in the simulation lab with Teaching Staff

****Learning Level****

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and/or relatives.
2	In an emergency, performs the application in accordance with the guide instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.
*Conducts preliminary assessment/evaluation, creates the necessary plans, implements and informs patients and relatives/society about the process and its results.	

8. SESSION V NEUROSURGERY CLERKSHIP - ASSESSMENT AND EVALUATION METHODS

ASSESSMENT AND EVALUATION METHODS IN NEUROSURGERY CLERKSHIP
RACTICAL-ORAL EXAMINATION

• **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)
  ➢ **Basic Medicine Practices** (5 %).
  ➢ **Professionalism in Medical Practices:** t is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).
  ➢ **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5)
• **Practical Exam:** It is performed by the direct observation and evaluation of practical/ interventional skills. Total contribution to the Practical-Oral Examination (15%)
• **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (70 %)
• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.
• Students who fail the practical-oral examination, take the make-up exam.
• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice-written) exam.

THEORETICAL EXAM
• It consists of a total of 20 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) • Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. • Students who fail the theoretical examination, take the make-up exam.
SUCCESS GRADE
• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.
MAKE-UP EXAM
• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he/she is considered unsuccessful from that clerkship and repeats that clerkship.

SESSION V OPHTHALMOLOGY GUIDE

Code	MED505
Period	2 weeks

Type	Compulsory
ECTS	

OPHTHALMOLOGY CLERKSHIP- Prerequisite Courses	
1	Taken the pre-clinical courses
2	Taken courses in the relevant committee (s) in session 3

REFERENCES (RESOURCE BOOK - OTHERS)	
1.	Lecture notes prepared by teaching staffs
2.	
3.	

OPHTHALMOLOGY CLERKSHIP- RULES FOR STUDENTS	
1	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
2	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
3	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
4	Students are obliged to keep the **"Ataturk University Faculty of Medicine Trainee Report"** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
5	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
6	**In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in "Atatürk University Faculty of Medicine Teaching and Exam Application Principles".

7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at "http://anket.atauni.edu.tr". The participation link to the survey will be sent to the students by the dean's management.

1. SESSION V OPHTHALMOLOGY CLERKSHIP - OBJECTIVE OF THE PROGRAM

OBJECTIVE OF THE OPHTHALMOLOGY CLERKSHIP PROGRAM	
1.	To be able to diagnose by evaluating the anatomical and physiological features of the eye, the signs and symptoms of the diseases affecting them
2.	To be able to perform emergency treatment by defining emergency situations for the eye
3.	To be able to create and apply a treatment plan in necessary clinical situations within the scope of education level criteria
4.	To be able to provide referral when necessary after emergency intervention and treatment
5.	To be able to exhibit preventive and rehabilitative approaches in situations that can cause visual impairment
6.	To gain the knowledge, skills and professionalism characteristics determined for the internship

2. SESSION V OPHTHALMOLOGY CLERKSHIP - LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
Contribution levels	4	4	5	4	4	4	5	5	3	4	5	4	3	3	3	3	4	4	4	3
Program Qualifications	21	22	23	24	25	26	27	28	29	30	31	32								
Contribution levels	4	5	3	4				4	4	4										

Contribution levels: *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

3. SESSION V OPHTHALMOLOGY CLERKSHIP - LEARNING OBJECTIVES

A. Frequent reasons for application: Competence is expected in terms of Clinical Symptoms / Signs / Status during the Ophthalmology period

OPHTHALMOLOGY CLERKSHIP- ***LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS***					
1	Headache				
2	Nause-vomiting				
3	Diplopia				
4	Defect of vision				
5	Dry eye				
6	Red eye				
7	Corrosive exposure				
8	Ptosis				
9	Pupil changes				

B. In terms of knowledge: It is expected to have knowledge at the levels determined in the **"Diseases / Clinical Problems"** listed below during the Ophthalmology clerkship period.

OPHTHALMOLOGY CLERKSHIP- ***CLINICAL PROBLEM LEARNING LEVELS***	
LEARNING LEVELS	**CLINICAL PROBLEM**
In the clinical problems mentioned in the column next to; **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary**	1. Allergic reaction 2. Skin injuries 3. Eye trauma(home- work-traffic,fall)
In the clinical problems mentioned in the column next to; **Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert**	4. Allergic reaction 5. Skin tumors 6. Skin and soft tissue infections, abscesses 7. Facial paralysis 8. Glaucoma 9. Cataract 10. Refractive disorders 11. Optic neuritis 12. Tear duct obstruction 13. Strabismus 14. Uveitis 15. Keratitis
In the clinical problems mentioned in the column next to; **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures**	16. Conjunctivitis 17. Cataract 18. Allergic reaction

In the clinical problems mentioned in the column next to; **Be able to Diagnose and Treat (DT)**	19. Conjunctivitis 20. Conjunctivitis in newborns
In the clinical problems mentioned in the column next to; **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)**	21. Accidents (home-work-traffic, electric shock,fall, asphyxia) 22. Conjunctivitis 23. Conjunctivitis in newborns
In the clinical problems mentioned in the column next to; **be able to follow up (F) in necessary cases**	-----

C. In terms of skill: It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Opthalmology clerkship period.

OPHTHALMOLOGY CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	**BASIC MEDICINE APPLICATIONS**
Skills specified in the adjacent column; **Knows** how to practice and **explains** the results to patients and / or relatives **(LEARNING LEVEL 1)**	1. General and problematic, taking a story 2. Eye examination 3. Fundus examination 4. To be able to provide health education to the community 5. To be able to fight infectious diseases in the society 6. Reading and evaluating direct radiographs 7. Using microscope

Skills specified in the adjacent column; **In an emergency**, performs the application in accordance **with the guide / instruction** **(LEARNING LEVEL 2)**	1. General and problematic, taking a story 2. Foreign body removal from the eye 3. To be able to evaluate mental state 4. Obtaining consent 5. To be able to distinguish/manage forensic cases 6. Organizing forensic case notification 7. To be able to consult about disability report 8. To be able to prepare a health report according to the current legislation 9. To be able to refer patient appropriately 10. Reporting legally notifiable diseases and conditions 11. Preparing epicrises 12. Preparing patient file 13. To be able to edit prescription 14. Prepare treatment refusal document 15. To apply the principles of working with biological material 16. To be able to provide decontamination, disinfection, sterilization, antisepsis 17. Filling the request form for laboratory examination 18. To be able to take the laboratory sample under appropriate conditions and to deliver it to the laboratory. 19. Hand washing 20. To be able to prepare the drugs to be applied correctly 21. Being able to care for wound - burn 22. Superficial stitching and remove 23. To be able to take measures related to the protection of health workers' health 24. Taking measures to prevent infections in public areas 25. To be able to identify risk groups in the society
Skills specified in the adjacent column; performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application** **(LEARNING LEVEL 3)**	-------
Skills specified in the adjacent column; Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application** **(LEARNING LEVEL 4)**	------

D. In terms of Behavioral, Social and Humanities: It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the Ophthalmology clerkship period

OPHTHALMOLOGY CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	13.Accidents **a.Home** **b.Traffic** **c.Work**

F. In terms of Professionalism: Attitudes listed below are expected to be gained during the period of Ophthalmology clerkship

ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE OPHTHALMOLOGY CLERKSHIP
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine. 2. Rights-based health approach 3. Communication skills, communication in difficult situations, interpersonal relations and teamwork 4. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine. 5. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities. 6. Patient rights, physician responsibility, patient-physician relationship. 7. Problems and dilemmas for professionalism / ethics in health processes. 8. Legal problems in health processes. 9. Research and publication ethics. 10. Determinants of health, inequality in health, social gender and health. 11. Health systems, health policies. 12. Health economics and management. 13. Reflective thinking and practice, continuous individual and professional development, education and consultancy. 14. Work culture in coordination with other members of the team and disciplines 15. Being able to share their knowledge and professional experience with other members of the team,

4. SESSION V OPHTHALMOLOGY CLERKSHIP - WEEKLY COURSE PROGRAM

Days	Subject of The Lesson	Lesson Time	Teaching Staff
Monday	**1. Week**		
	About Internship	08:00 - 08.45	Teaching staff in charge
	Service Visit	09.00 - 09.45	Prof. Dr. Orhan BAYKAL
	Anatomy of the Eye (Flipped classroom)	10.00 - 10:45	Asst. Prof. Büşra ÇALIŞKAN
	Anatomy of the Eye (Flipped classroom)	11.00 - 11.45	Asst. Prof. Büşra ÇALIŞKAN
	Clinical Practice in Patients	14.00 - 14.45	Assoc. Prof. Emine ÇİNİCİ
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	15.00 - 17.00	Teaching staffs will work in order
Tuesday	Service Visit	08.00 - 09.45	Asst. Prof. Mustafa YILDIRIM
	Strabismus	10.00 - 10.45	Prof. Dr. İlknur AKYOL SALMAN
	Paralytic Strabismus and Diplopia	11.00 - 11.45	Prof. Dr. İlknur AKYOL SALMAN
	Examination Methods in Ophthalmology	13.00 - 13.45	Asst. Prof. Büşra ÇALIŞKAN
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	14.00 - 17.00	Teaching staffs will work in order
Wednesday	Service Visit	08.00 - 09.45	Assoc. Prof. Emine ÇİNİCİ
	Conjunctivitis, Episcleritis and Scleritis	10.00 - 10.45	Assoc. Prof. Emine ÇİNİCİ
	Corneal Diseases	11.00 - 11.45	Asst. Prof. Mustafa YILDIRIM
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	13.00 - 17.00	Teaching Sraffs will work in order
Thursday	Service Visit	08.00 - 09.45	Prof. Dr. İbrahim KOÇER
	Open Angle Glaucoma and Treatment	10.00 - 10.45	Prof. Dr. İbrahim KOÇER
	Acute Glaucoma Crisis and Treatment	11.00 - 11.45	Prof. Dr. İbrahim KOÇER
	Case-Based Learning (CBL) Session 1	13.00 - 13.45	Teaching staff in charge
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	14:00 - 17:00	Teaching staffs will work in order
Friday	Service Visit	08.00 - 09.45	Prof. Dr. İlknur AKYOL SALMAN
	Retinal Artery and Vein Diseases	10.00 - 10.45	Prof. Dr. Orhan BAYKAL
	Optic Neuritis	11.00 - 11.45	Prof. Dr. Orhan BAYKAL
	Retinal detachment	13.00 - 13.45	Prof. Dr. Orhan BAYKAL
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	14.00 - 17.00	Teaching staffs will work in order
Monday	**2. Week**		
	Service Visit	08.00 - 09.45	Prof. Dr. Orhan BAYKAL
	Uveitis	10.00 – 10.45	Prof. Dr. İbrahim KOÇER
	Pediatric Cataracts and Treatment	11.00 - 11.45	Prof. Dr. İbrahim KOÇER
	Adult Cataracts and Treatment	13.00 - 13.45	Prof. Dr. İbrahim KOÇER
	Case-Based Learning (CBL) Session 2	13.00 - 13:45	Teaching staff in charge
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	14:00 - 17:00	Teaching staffs will work in order
Tuesday	Service Visit	08.00 - 09.45	Asst. Prof. Mustafa YILDIRIM

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	Refraction Error	10.00 - 10.45	Prof. Dr. İlknur AKYOL SALMAN
	Refraction Error	11.00 - 11.45	Prof. Dr. İlknur AKYOL SALMAN
	Diabetic retinopathy	13.00 - 13.45	Prof. Dr. Orhan BAYKAL
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	14.00 - 17.00	Teaching staffs will work in order
Wednesday	Service Visit	08.00 - 09.45	Assoc. Prof. Emine ÇİNİCİ
	Preseptal - Orbital Cellulite	10:00 – 10.45	Prof. Dr. Orhan BAYKAL
	Hypertensive retinopathy	11.00 – 11.45	Prof. Dr. Orhan BAYKAL
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	14.00 - 17.00	Teaching staffs will work in order
Thursday	Service Visit	08.00 - 09.45	Prof. Dr. İbrahim KOÇER
	Mechanical and Chemical Eye Trauma	10.00 - 10.45	Assoc. Prof. Emine ÇİNİCİ
	Lacrimal System Diseases	11.00 - 11.45	Asst. Prof. Mustafa YILDIRIM
	Case-Based Learning (CBL) Session 3	13.00 - 13.45	Teaching staff in charge
	Clinic (Group 1) Outpatient Clinic (Group 2) Operating Room (Group 3)	14:00 - 16:00	Teaching staffs will work in order
Friday	Exam Post-Internship Feedback Meeting	09.00	Eye Diseases Meeting Room

5. SESSION V OPHTHALMOLOGY CLERKSHIP – MATCHING COURSES WITH LEARNING OBJECTIVES

MATCHING OPHTHALMOLOGY CLERKSHIP COURSES WITH LEARNING OBJECTIVES

Lesson Code	SUBJECT OF THE LESSON	TEACHING MEMBER	Teoric hour	Pratic Hour	Symptoms/ situations	Clinic problem	Basic medical practices
EYE001	Informing about internship and Ethical and Professional Values in Clinical Practices	Teaching staff in charge	1				1, 3,5,9,14,16
EYE002	Anatomy	Assoc. Prof. Emine ÇİNİCİ	1				
EYE003	Semiology in eye diseases	Asst. Prof. Mustafa YILDIRIM	1				22,26
EYE004	Bedside applications in the clinic	Assoc. Prof. Emine ÇİNİCİ		1	6,7,8	2,3,30,27	2,4,7,8,9,11,15,16
EYE005	Refraction defects and treatments	Prof. I.A.SALMAN	2		2	10	
EYE006	Examination methods in eye diseases	Asst. Prof. Mustafa YILDIRIM		1			2,4,7,8,9,11,15,16

EYE007	Conjonktivitis		1		3	13,29	
EYE008	Corneal diseases		1		2		
EYE009	Skleritis, episkleritis	Assoc. Prof. Emine ÇİNİCİ	1		3		
EYE010	Open-angle glaucoma and its treatment	Prof. I.KOÇER	1		2,3	8	
EYE011	Acute glaucoma crisis and its treatment	Prof. I.KOÇER	1		2,3,4	8	
EYE012	Optic neuritis	Prof. O.BAYKAL	1		2,4	11	
EYE013	Retinal artery diseases	Prof. O.BAYKAL	1		2,4		
EYE014	Retinal vein occulusions	Prof. O.BAYKAL	1		2,4		
EYE015	Uveitis	Prof. I.KOÇER	1		2,3,4		
EYE016	Pediatric cataract and its treatments	Prof. I.KOÇER	1		2,4	9	
EYE017	Adult cataract and its treatments	Prof. I.KOÇER	1		2,4	9	
EYE018	Strabismus	Prof. I.A.SALMAN	1		1, 2,5		
EYE019	Paralitic strabismus and diplopia	Prof. I.A.SALMAN	1		1, 2,5		
EYE020	Diabetic retinopathy	Prof. O.BAYKAL	1		2,4		
EYE021	Pupilla and its diseases	Assoc. Prof. Emine ÇİNİCİ	2		2,4		
EYE022	Eye findings in metabolic diseases	Assoc. Prof. Emine ÇİNİCİ	1		2		
EYE023	Preseptal selülitis		1		3	6,7	
EYE024	Lacrimal system diseases		1		3		
EYE025	Retinal detachment and its treatment	Prof.Dr.O.ATEŞ	1		2,4		
EYE026	Hypertensive retinopathy	Prof.Dr.O.ATEŞ	1		2,4		
EYE027	Differential diagnosis in the red eye	Prof. I.KOÇER	2		3	1,29	
EYE028	Eyelid diseases		1		2		
EYE029	Orbital selülitis		1		1,2,3	6,7	
EYE030	Mechanical and chemical eye trauma		1		2,3,4,6,7,8	2,3,16,27	12
EYE031	Drug applications in ophthalmology		2				26
EYE032	Service Visit			14			

EYE033	Polyclinic / Operating Room	Anabilim Dalı Öğretim Üyeleri		20			
EYE034	Notification of the aims and objectives of the internship meeting	Staj komisyonu başkanı	1				
EYE035	Post-internship feedback meeting	Staj komisyonu başkanı	1				

6. SESSION V OPHTHALMOLOGY CLERKSHIP - LEARNING METHODS

LEARNING METHODS OF OPHTHALMOLOGY CLERKSHIP PROGRAM

Learning Methods Related with Knowledge:

- Structured learning activities in clinical skill laboratories and simulated patient centers
- Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences
- On-the-job learning and assessment
- Structured case discussion

Learning Methods Related with Medical practices:

- Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures
- Interdisciplinary learning activities (meetings, panels, group discussions)
- Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.)
- CBL (Case-based learning)
- Independent learning

Learning Methods Related with Professionalism

- Critical situation discussionsı
- Reflection sessions
- Written visual texts readings and interpretations
- Student development file (portfolio) application
- On-the-job learning and assessment (MiniPET)

7. SESSION V OPHTHALMOLOGY CLERKSHIP - "STUDENT TRAINEE REPORT"

The skills in the field of basic medicine practices expected in the Term V Trainee student are evaluated with the "Atatürk University Faculty of Medicine Trainee Report" which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION V OPHTHALMOLOGY CLERKSHIP STUDENT TRAINEE REPORT			
Name:……Surname:……. **Student Number:**		**Date::…../……/……**	
I- Basic Medicine Practices	**Learning Level****	**Number of Applications**	**Teaching Staff Approve (Date)**
A. Taking Anamnesis			
……..	**4**	**3***	
B. Physical Examination (General and Problem-Oriented)			
	3	3*	
	3	3*	
C. Registration, Reporting and Notification			
	4	3*	
	4	3	
D. Laboratory Tests and Other Related Processes			
	4	3	
	4	3	
	3	3*	
E. Interventional and Non-Interventional Applications			
	3	1*	
	3	1	
	4	2	
	3	1	
I-Total Basic Medicine Practice score (out of 5 point)			
II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers) **Total Professionalism score (out of 5 point)**			
III- Clinical Problem Solving (out of 5) (Given from the performance shown in **Case Based Learning sessions)**			
TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)			
Teaching Staff **Date and Sign**		**Head of Department** **Date and Sign**	

***** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

****Learning Level****

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.
*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.	

8. SESSION V OPHTHALMOLOGY CLERKSHIP - ASSESSMENT AND EVALUATION METHODS

ASSESSMENT AND EVALUATION METHODS IN OPHTHALMOLOGY CLERKSHIP
RACTICAL-ORAL EXAMINATION

• **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)
  ➢ **Basic Medicine Practices** (5 %).
  ➢ **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).
  ➢ **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5)
• **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (85 %)
• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.
• Students who fail the practical-oral examination, take the make-up exam.
• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice-written) exam.

THEORETICAL EXAM
• It consists of a total of 40 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) • Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. • Students who fail the theoretical examination, take the make-up exam.
SUCCESS GRADE
• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.
MAKE-UP EXAM
• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.

SESSION V CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP GUIDE

Code	MED551	**Type**	Elective
Period	2 weeks	**ECTS**	3

CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP- Prerequisite Courses	
1	Taken the pre-clinical courses
2	Taken courses in the relevant committee (s) in session 3

REFERENCES (RESOURCE BOOK - OTHERS)	
1.	Lewis's Child and Adolescent Psychiatry
2.	Up To Date

CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP- RULES FOR STUDENTS	
1	Clerkship training starts on 08.00 in the morning and ends at 17.00 in the morning.
2	Students will attend clerkships and exams in a clean and well-maintained manner, with white gown and ID card.
3	The first course of each internship is planned as clerkship introduction. The instructor will be informed about the purpose of the clerkship, learning objectives, scope (symptoms / conditions, core diseases / clinical problems, basic medicine practices, attitudes and behaviors), curriculum, assessment methods and rules to be obey during the clerkship.
4	Students are obliged to keep the **"Ataturk University Faculty of Medicine Trainee Report"** which contains the knowledge, skills and attitudes of the clerkship prepared in accordance with their learning objectives and competencies, and have it approved by the clerkship officer and handed it over to the Department for the student's assessment at the end of the clerkship.
5	The students are required to attend scientific meetings, case presentations and seminars organized by the department.
6	**In order to be successful at the end of the clerkship;** Students are required to take at least 60 point from each Practical and Theoretical exams, In Practical exams the **Trainee Report** and professionalism characteristics appropriate for medicine will also be evaluated. Requirements for the success of the exam are specified in "Atatürk University Faculty of Medicine Teaching and Exam Application Principles".

7	Feedback will be received verbally and digitally from all students at the end of the clerkship. Verbal feedback is chaired by the Department; Digitally feedbacks will be made on the web address at "http://anket.atauni.edu.tr". The participation link to the survey will be sent to the students by the dean's management.

1. SESSION V CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP - OBJECTIVE OF THE PROGRAM

OBJECTIVE OF THE CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP PROGRAM	
7.	To be able to get a preliminary diagnosis/diagnosis by evaluating the normal development process of child and adolescent mental health (CAMH) and its characteristics in pathological conditions and the signs and symptoms of the diseases that reveal this pathology.
8.	Define Emergency and Forensic situations for CAMH and make emergency treatment and Forensic management
9.	To be able to build and carry out a treatment plan in necessary clinical situations within the scope of education level criteria.
10.	To be able to provide refer a patient when necessary after emergency response and treatment.
11.	To be able to exhibit preventive and rehabilitative approaches in cases where success can be achieved with early diagnosis and intervention.
12.	To gain the knowledge, skills and professional characteristics determined for the internship.

2. SESSION V CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP - LEARNING OUTCOMES

Contribution levels to "Ataturk University Faculty of Medicine Pre-Graduate Medical Education Program Qualifications"

Program Qualifications	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
Contribution levels	2	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	1	3
Program Qualifications	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**								
Contribution levels	3	4	4	2	3	2	3	4	4	3	3	3								

Contribution levels: *-:no contribution 1 very low 2 low 3 intermediate 4 high 5 very high*

3. SESSION V CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP - LEARNING OBJECTIVES

A. Frequent reasons for application: Competence is expected in terms of Clinical Symptoms / Signs / Status during the Child And Adolescent Mental Health clerkship period

CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP- ***LIST OF CLINICAL SYMPTOMS / SIGNS / STATUS***					
1	Anxiety	10	Hyperactivity	19	Tobacco use
2	Altered Consciousness	11	Suicide (Thought, attempt) / Self-harm	20	Sleep-related problems
3	Cognitive disorders / Forgetfulness	12	Stuttering		
4	Altered Mood	13	Weight gain/excess		
5	Encopresis	14	Weight loss		
6	Enuresis	15	Speech disorders (aphasia, dysphasia, dysarthria, etc.)		
7	Reality testing problems (hallucination/delusion)	16	Impaired judgment		
8	Weakness/fatigue	17	Seizure		
9	Movement disorders	18	Learning disability		

B. In terms of knowledge: It is expected to have knowledge at the levels determined in the **"Diseases / Clinical Problems"** listed below during the Child And Adolescent Mental Health clerkship period.

CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP- ***CLINICAL PROBLEM LEARNING LEVELS***	
LEARNING LEVELS	**CLINICAL PROBLEM**
In the clinical problems mentioned in the column next to; **Define the Emergency situation (E) and be able to perform emergency treatment and direct it to the specialist when necessary**	1. Bipolar disorder 2. Acute and post-traumatic stress disorder 3. Emergencies related to alcohol and substance use 4. Delirium 5. Schizophrenia and other psychotic disorders
In the clinical problems mentioned in the column next to;	6. Alcohol and Substance Use Disorders 7. Physical Symptom Disorder (somatization) 1. Bipolar Disorder 8. Gender Identity Disorder 9. Agoraphobia / Specific Phobias 2. Acute and Post-traumatic Stress disorder 10. Attention Deficit and Hyperactivity Disorder 11. Dissociative Disorders 12. Communication Disorders (Stuttering,

Putting a Preliminary Diagnosis (Pre-D) to be able to perform the necessary pre-operations and direct it to the expert	Articulation Disorder, Social Communication Disorder, Language Disorder) 13. Obsessive-Compulsive Disorder 14. Autism spectrum Disorder 15. Panic Disorder 16. Social Anxiety Disorder 5. Schizophrenia and Other Psychotic Disorders 17. Tic Disorders 18. Generalized Anxiety Disorder 19. Eating Disorders 20. Disruptive Behavior Disorders, Impulse Control and Behavior Disorders 21. Intellectual Disability 22. Sleep Disorders
In the clinical problems mentioned in the column next to; **To be able to make a Diagnosis (D) and have information about treatment, to be able to direct the specialist by making the necessary preliminary procedures**	4. Delirium 23. Depressive Disorder
In the clinical problems mentioned in the column next to; **Be able to Diagnose and Treat (DT)**	-------
In the clinical problems mentioned in the column next to; **Should be able to apply Preventive measures (P) (those suitable from primary, secondary and tertiary protection)**	6. Alcohol and Substance Use Disorders 1. Bipolar Disorder 3. Emergencies related to alcohol and substance use 4. Delirium 23. Depressive Disorder 5. Schizophrenia and Other Psychotic Disorders
In the clinical problems mentioned in the column next to; **be able to follow up (F) in necessary cases**	1. Bipolar Disorder 4. Delirium 23. Depressive Disorder

C. In terms of skill: It is expected to gain the ability to practice **at the level determined in "Basic Medicine Practices"** listed below during the Child and Adolescent Mental Health clerkship period.

CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP- LEARNING LEVELS OF BASIC MEDICINE APPLICATIONS	
LEARNING LEVELS	**BASIC MEDICINE APPLICATIONS**
Skills specified in the adjacent column; **Knows** how to practice and **explains** the results to patients and / or relatives **(LEARNING LEVEL 1)**	-------
Skills specified in the adjacent column; **In an emergency**, performs the application in accordance **with the guide / instruction** **(LEARNING LEVEL 2)**	1. Assessing Legal Capacity 2. Suicide Intervention
Skills specified in the adjacent column; performs pre-assessment / evaluation in **uncomplicated**, frequent, cases creates necessary plans and informs patients and their relatives **and does the application** **(LEARNING LEVEL 3)**	3. Ability to evaluate the mental state 4. Ability to take psychiatric history 5. Forensic case examination 6. Mental state examination 7. To prepare a forensic report 8. Counseling on disability report 9. To be able to prepare health reports in accordance with current legislation 10. To be able to interpret the results of screening and diagnostic examinations 11. To be able to stabilize the emergency psychiatric patient 12. To be able to manage forensic cases
Skills specified in the adjacent column;	13. Taking general and problem-oriented stories

Pre-evaluate the application including **complex** situations / cases, creates the necessary plans and informs the patients and their relatives **and does the application** **(LEARNING LEVEL 4)**	14. Consciousness Assessment 15. To be able to prepare a legal case report 16. Ability to take enlighting and consent 17. Ability to prepare an epicrisis 18. Ability to prepare a patient file 19. Ability to prepare a prescribing 20. To be able to prepare a treatment rejection document 21. Ability to refer the patient appropriately

D. In terms of Behavioral, Social and Humanities: It is expected to have sensitivity, knowledge and skills in the **"Behavioral, Social and Humanities"** listed below during the Child And Adolescent Mental Health clerkship period

CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP – LIST OF BEHAVIORAL, SOCIAL AND HUMANITIES	
	1. Discrimination, bias, stigma b. Vulnerable groups (elderly, disabled, convicts and prisoners, etc.)
	2. Addiction a. Alcohol b. Tobacco c. Drug d. Behavioral addiction (gambling, shopping, technology, internet addiction) to. e. Family and social burden due to addiction
	4. Work and health interaction to. Vulnerable groups (child / immigrant / old / young workers)
	5. Environment and health interaction i. Social environment and social well-being
	6. Child neglect and abuse a. Negligence (emotional, physical, medical, educational, etc.) b. Abuse (physical, emotional, sexual) c. Child labor d. Boy living on the street e. Adolescent pregnancies f. Child marriage

	8. Difficulties in physician-patient interaction c. Manipulative patient d. Resistant patient e. Malingering (using healthcare by pretending to be a patient to gain benefit) f. Patient in mourning g. Somatic symptoms triggered by somatization / psycho-social factors h. Patients who frequently apply to the hospital
	11. Human rights and health a. Violations of the right to health
	12. Unemployment and poverty b. Child labor
	15. Global climate crisis e. Vulnerable groups
	18. Death, the dying individual and mourning a. Mourning and prolonged mourning c. Giving bad news
	19. Priority / disadvantaged groups a. Children with special needs (chronic health problems, neuro-developmental disorders) / disabled people b. Children (unaccompanied, protected and street children)
	20. Psychological and social well-being h. Flexibility / resilience, embracing uncertainties / dilemmas
	23. Aspects of Health Practices Requiring Self-Criticism h. Faulty applications in traditional and complementary medicine
	25. Health conditions d. Participation in social life g. School health
	27. Stress e. Physical and mental complaints due to stress
	28. Violence b. Violence against children e. Violence in vulnerable groups f. Peer bullying

	29.Technology and health interaction a. Artificial intelligence d. Current diagnostic-treatment tools f. Technology addiction, misuse of technology h. Online health apps
	31. Professionalism in Medicine b. Honesty, respect for confidentiality, truth-telling, respect for privacy
	34. Reproductive health / Sexual health c. Adolescent pregnancy g. Sexual assault

E. In terms of Professionalism: Attitudes listed below are expected to be gained during the period of Child and Adolescent Mental Health clerkship

ATTITUDES THAT SHOULD BE GAINED FOR *PROFESSIONALITY* DURING THE CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP
1. Totalitarian approach to health (bio - psycho - social and cultural approach), patient - centered approach, community oriented medicine. 2. Communication skills, communication in difficult situations, interpersonal relations and teamwork 3. History of medicine and thought / values, physician identity and awareness, roles and limits of medicine. 4. Medical ethics, ethical and professional values and responsibilities; human, social and cultural values and responsibilities. 5. Patient rights, physician responsibility, patient-physician relationship. 6. Reflective thinking and practice, continuous individual and professional development, education and consultancy.

4. SESSION V CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP - WEEKLY COURSE PROGRAM

Days	Subject of The Lesson	Lesson Time	Teaching Staff
	1. Week		
Monday	Information about Internship and Ethical and Professional Values in Clinical Practice	09.^{00} - 11.^{00}	Assoc. Prof. Mehmet Akif AKINCI
	Speech (Communication) Disorders	14.^{00} - 16.^{00}	Assoc. Prof. Abdullah BOZKURT
Tuesday	Case-Based Learning (CBL) Session 1	08.^{00} - 10.^{00}	Assoc. Prof. Esen YILDIRIM DEMİRDÖĞEN
	Forensic Applications I	10.^{00} - 11.^{00}	Assoc. Prof. Mehmet Akif AKINCI
	Enuresis	13.^{00} - 14.^{00}	Assoc. Prof. Mehmet Akif AKINCI
	Enkoprezis	14.^{00} - 15.^{00}	Assoc. Prof. Mehmet Akif AKINCI
	Independent Working Hour	15.^{00} - 17.^{00}	
Wednesday	Department Seminar	08.^{00} - 09.^{00}	
	Department Case Presentation	09.^{00} - 10.^{00}	
	Autism Spectrum Disorder	10.^{00} - 12.^{00}	Assoc. Prof. Esen YILDIRIM DEMİRDÖĞEN
	Autism Spectrum Disorder	13.^{00} - 17.^{00}	Assoc. Prof. Esen YILDIRIM DEMİRDÖĞEN
Thursday	Case-Based Learning (CBL) Session 2	08.^{00} - 10.^{00}	Assoc. Prof. Mehmet Akif AKINCI

	Intellectual disability	10.00 - 12.00	Assoc. Prof. Abdullah BOZKURT
	Intellectual disability	13.00 - 15.00	Assoc. Prof. Abdullah BOZKURT
	Approach to Child Abuse	15.00 - 17.00	Assoc. Prof. Mehmet Akif AKINCI
Friday	Independent Working Hour	08.00 - 09.00	
	School Rejection	09.00 - 10.00	Assoc. Prof. Esen YILDIRIM DEMİRDÖĞEN
	Attention Deficit Hyperactivity Disorder	10.00 - 12.00	Assoc. Prof. Esen YILDIRIM DEMİRDÖĞEN
	Attention Deficit Hyperactivity Disorder	14:00 - 16:00	Assoc. Prof. Esen YILDIRIM DEMİRDÖĞEN
	2. Week		
Monday	Independent Working Hour	08.00 - 09.00	
	Tic Disorder	09.00 - 10.00	Assoc. Prof. Abdullah BOZKURT
	Emergency Approach I (Flipped classroom)	10.00 - 12.00	Assoc. Prof. Mehmet Akif AKINCI
	Emergency Approach II and Drug side effects (Flipped classroom)	13.00 - 17.00	Assoc. Prof. Mehmet Akif AKINCI
Tuesday	Case-Based Learning (CBL) Session 3	08.00 - 10.00	Assoc. Prof. Abdullah BOZKURT
	Oppositional-Oppositional Disorder	11.00 - 12.00	Assoc. Prof. Esen YILDIRIM DEMİRDÖĞEN
	Conduct Disorder and Treatment	14.00 - 15.00	Assoc. Prof. Esen YILDIRIM DEMİRDÖĞEN
	Independent Working Hour	15.00 - 17.00	
Wednesday	Department Seminar	08.00 - 09.00	
	Department Case Presentation	09.00 - 10.00	
	Case-Based Learning (CBL) Session 3	10.00 - 12.00	Assoc. Prof. Esen YILDIRIM DEMİRDÖĞEN
	Forensic Applications II	13.00 - 15.00	Assoc. Prof. Mehmet Akif AKINCI
	Independent Working Hour	13.00 - 17.00	
Thursday	Case-Based Learning (CBL) Session 3	08.00 - 10.00	Assoc. Prof. Mehmet Akif AKINCI
	Specific Learning Disorder	10.00 - 12.00	Assoc. Prof. Abdullah BOZKURT
	Specific Learning Disorder	13.00 - 14.00	Assoc. Prof. Abdullah BOZKURT
Friday	EXAM	09.30	Department of Child and Adolescent Psychiatry Seminar Hall

5. SESSION V CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP - COURSES WITH LEARNING OBJECTIVES

MATCHING CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP COURSES WITH LEARNING OBJECTIVES								
Code	**Lesson Topic**	**Teaching Staff**	**Theoretical lesson**	**Practical lesson**	**Symptoms / Conditions**	**Clinical problem**	**Basic Medical Practices**	**Behavioral, Social and Humanities**
CAMH001	Semiology	Assoc Prof. I. ESIN	1		2, 3		3, 4, 5, 6, 9, 10, 13, 14, 16, 17, 18, 19, 20, 21	1(b), 3(e), 5(j), 6(e)(f), 8(d)(h), 18(c), 20(h), 23 (h), 25(g), 31(b), 29(h), 15(e), 11(a)
CAMH 002	Speech (Communication) Disorders	Assoc. Prof. H. Doğru	1		12, 15	12		
CAMH S003	Acute Stress Disorder Post-Traumatic Stress Disorder	Assoc. Prof. H. Doğru	2		1	2		
CAMH 005	Forensic Applications	Assoc Prof. I. ESIN	1		16	21	1, 5, 7, 12, 15	

CAMH 006	Anxiety Disorder	Assoc. Prof. H. Doğru	1		1	9, 15, 16, 18		
CAMH 007	Enuresis -Enkoprezis	Assistant Professor I. ESIN	1		5, 6			
CAMH 008	Mood Disorders in Children	Assoc. Prof. H. Doğru	3		4	23, 1		8(f)
CAMH 009	Sleep Disorders in Children and Adolescents	Assoc. Prof. H. Doğru	1		20	22		
CAMH 010	Autism Spectrum Disorder	Assoc Prof. I. ESIN	2			14	8	19(a), 25(d)
CAMH 011	Elective / Freelance Work	Assoc. Prof. H. Doğru	2		18	21	8	19(a)
CAMH 012	Intellectual disability	Assoc Prof. I. ESIN	1					19(b), 6(a)(b)(c)(d), 12(b), 15(f)(e), 28(b), 34(g)
CAMH 013	Approach to Child Abuse	Assoc Prof. I. ESIN	1		13			29(f)
CAMH 014	Impulse Control Disorders Alcohol-Substance Use Disorder	Assoc Prof. I. ESIN	1		19	3, 6		2(a)(b)(c)(d)(e)
CAMH 015	School Rejection	Assoc. Prof. H. Doğru	1		1			
CAMH 016	Obsessive compulsive disorder	Assoc. Prof. H. Doğru	2			13		
CAMH 017	Attention Deficit Hyperactivity Disorder	Assoc. Prof. H. Doğru	2		10	10		
CAMH 018	Tic Disorder	Assoc. Prof. H. Doğru	1		9	17		
CAMH 019	Emergency Approach	Assoc Prof. I. ESIN	6			4	2, 12	
CAMH 020	Suicide Behavior and Self-harm	Assoc Prof. I. ESIN	1		11		2	
CAMH 021	Oppositional-Oppositional Disorder	Assoc Prof. I. ESIN	1					
CAMH 022	Conduct Disorder and Treatment	Assoc. Prof. H. Doğru	2			20		
CAMH 023	Schizophrenia and other psychotic disorders	Assoc Prof. I. ESIN	2		7	5		
CAMH 024	Eating disorder	Assoc. Prof. H. Doğru	1		14	19		

CAMH 025	Diagnostic Classification	Assoc Prof. I. ESIN	1					29(a)(d)
CAMH 026	Sexual Identity Disorders	Assoc. Prof. H. Doğru	1			8		
CAMH 027	Developmental Problems	Assoc. Prof. H. Doğru	1					
CAMH 028	Specific Learning Disorder	Assoc Prof. I. ESIN	1		18			19(a)
CAMH 029	Somatoform Disorders	Assoc. Prof. H. Doğru	2		17	7		8(c)(e)(g), 27(e)
CAMH 030	Dissociative disorders	Assoc. Prof. H. Doğru	2			11		
CAMH 019	Outpatient Applications	Department Staffs		4				
CAMH 020	Notification meeting of internship goals and objectives	Department Staffs	1					
CAMH 021	Post-internship feedback meeting	Department Staffs	1					

6. SESSION V CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP - LEARNING METHODS

LEARNING METHODS OF CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP PROGRAM
Learning Methods Related with Knowledge:
• Bedside teaching in medical education, visits, structured focused patient visit, service and outpatient experiences • On-the-job learning and assessment • Structured case discussion
Learning Methods Related with Medical practices:
• Classroom lecture / presentation: Lecture, tutorial presentation, interactive classroom lectures • Case / problem-based interactive learning activities conducted with small groups (problem-based learning, case discussion, clinical tutorials, etc.) • CBL (Case-based learning) • Independent learning
Learning Methods Related with Professionalism
• Critical situation discussions • Reflection sessions • Written visual texts readings and interpretations • On-the-job learning and assessment (MiniPET)

7. SESSION V CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP - "STUDENT TRAINEE REPORT"

The skills in the field of basic medicine practices expected in the Term IV Trainee student are evaluated with the "**Atatürk University Faculty of Medicine Trainee Report**" which is prepared in accordance with the learning objectives and levels. After the student has completed the expected skills of basic medicine practices, they must get the clerkship responsible trainer approved and then they will deliver it to the clerkship responsible trainer on the last day of the training.

ATATÜRK UNIVERSITY FACULTY OF MEDICINE-SESSION V CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP STUDENT TRAINEE REPORT			
Name:……Surname:……. **Student Number:**		**Date::……/……/……**	
I- Basic Medicine Practices	**Learning Level****	**Number of Applications**	**Teaching Staff Approve (Date)**
A. Taking Anamnesis			
Ability to take psychiatric history	**3**	**1***	
Ability to evaluate the mental state	**3**	**1***	
B. Physical Examination (General and Problem-Oriented)			
Mental Status Examination	**3**	1*	
Consciousness Assessment	**4**	1*	
C. Registration, Reporting and Notification			
Write a prescription	**4**	1*	
Ability to Edit a Forensic Case Notification	**4**	1*	
Preparing a patient file	**4**	1*	
Counseling on disability report	**3**	1*	
D. Laboratory Tests and Other Related Processes			
To be able to interpret the results of screening and diagnostic examinations	**3**	1*	
E. Interventional and Non-Interventional Applications			
Ability to stabilize the emergency psychiatric patient	**3**	1*	
Managing forensic cases	**3**	1*	
Total Basic Medicine Practice score (out of 5 point)			
II- Impression about the student- Professional Features appropriate for Physician (Evaluated by the Department trainers)			
Compliance with internship rules			
Compliance with teamwork			
Total Professionalism score (out of 5 point)			
III- Clinical Problem Solving (out of 5) (Given from the performance shown in **Case Based Learning sessions)**			
TOTAL SCORE FROM TRAINEE REPORT (out of 15 point)			
Teaching Staff **Date and Sign**		**Head of Department** **Date and Sign**	

***** Performing or monitoring on the patient or in the simulation lab with Teaching Staff

****Learning Level****

Learning Level**	Explanation
1	Knows how to practice and explains the results to patients and / or relatives.
2	In an emergency, performs the application in accordance with the guide / instruction
3	Performs the application* in uncomplicated, common, situations / cases.
4	Performs the application* including complex situations / cases.

*Conducts preliminary assessment / evaluation, creates the necessary plans, implements and informs patients and relatives / society about the process and its results.

8. SESSION V CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP - ASSESSMENT AND EVALUATION METHODS

ASSESSMENT AND EVALUATION METHODS IN CHILD AND ADOLESCENT MENTAL HEALTH CLERKSHIP
RACTICAL-ORAL EXAMINATION

• **Trainee Report:** Total contribution to the Practical-Oral Examination (15%)
  ➢ **Basic Medicine Practices** (5 %).
  ➢ **Professionalism in Medical Practices:** It is evaluated by faculty members. In the evaluation, the compliance of the student with the Clerkship rules and Team work is taken into consideration (5%).
  ➢ **Clinical Problem Solving** (Given from the performance shown in **Case Based Learning sessions)** (out of 5)
• **Oral Examination:** Structured Oral Exam (structured questions based on the fact that evaluates clinical decision making and questions evaluating clinical information). Total contribution to the Practical-Oral Examination (85 %)
• Students whose score less than 60 points out of 100 from the practice-oral examination are considered unsuccessful.
• Students who fail the practical-oral examination, take the make-up exam.
• Students who fail the practical-oral examination cannot take the Theoretical (multiple choice-written) exam.

THEORETICAL EXAM
• It consists of a total of 20 multiple choice questions and and case-based multiple choice questions (evaluating clinical information and clinical decision) • Students whose score less than 60 points out of 100 from the theoretical examination are considered unsuccessful. • Students who fail the theoretical examination, take the make-up exam.
SUCCESS GRADE
• Clerkship achievement grade is calculated by taking the average of the points obtained from the Practical-oral and Theoretical exam.
MAKE-UP EXAM
• If the student who does not take the practical-oral or theoretical exam or fails, does not take the make-up exams or fail the make-up exam, he / she is considered unsuccessful from that clerkship and repeats that clerkship.

SESSION V ANESTHESIOLOGY and REANIMATION CLERKSHIP CLERKSHIP GUIDE

Code	MED552
Period	2 weeks

Type	Elective
ECTS	5