



**ANKARA YILDIRIM BEYAZIT  
UNIVERSITY**

**FACULTY of MEDICINE**

**2017-2018**

**PHASE V- ACADEMIC CALENDAR**

## 2017 - 2018 ACADEMIC YEAR

### PHASE V – EMERGENCY MEDICINE & FORENSIC MEDICINE INTERNSHIP PROGRAM

#### INTRODUCTION

##### **Period for Training**

15 Working Days

Training program will come true for 6 times during academic year, that will be three times for Turkish program and three for English program.

##### **Location for Training**

Theoretical lessons are performed at the building of Bilkent Health Science of our university.

Practical lessons are performed at the building of Ankara Atatürk Research and Education Hospital Emergency Medicine Department.

##### **President of Department (Educational & Administrative Officer)**

Şervan GÖKHAN, MD, EP, Assoc. Prof.

##### **Training Instructors:**

Mehmet ERGİN, MD, EP, Assoc. Prof

Ayhan ÖZHASENEKLER, MD, EP, Assoc. Prof.

##### **Trainers**

Şervan GÖKHAN, MD, EP, Assoc. Prof.

Ayhan ÖZHASENEKLER, MD, EP, Assoc. Prof.

Gulhan kurtoglu Celik, MD; EP, Assoc. Prof.

Havva Şahin KAVAKLI, MD, EP, Assoc. Prof.

Mehmet ERGİN, MD, EP, Assoc. Prof.

Fatih TANRIVERDİ, MD, EP, Assist. Prof.

Gürol Cantürk, MD, , Prof., Forensic Medicine (Ankara University Medicine School)

## **QUANTIFICATION & ASSESSMENT**

The students are assessed by three methods at the end of internship program:

1. Written examination: Examination includes multiple-choice, open-ended, true – false and complementary questions. This is to measure students' level of knowledge. **This is the rule that students must have at least 60 points from written exam to get right to enter oral and practical exams. Otherwise, students are accepted as unsuccessful for emergency medicine internship program.**
2. Oral examination: A grand jury including two or three jurors make test about ability to take medical history, perform physical exam, make differential diagnosis and organize treatment.
3. Practical Exam: A grand jury including two or three jurors make test about ability to manage airway, evaluate ECG and use defibrillator.

The contribution to the overall score for each exam is 40%, 50% and 10% respectively.

The overall scores is calculated by points of written, oral and practical exam according to rule – mentioned before – for students who have 60 points at least from written exam. Finally, decision about status of success or failure are made.

## **THE OBJECTIVES of INTERNSHIP at EMERGENCY MEDICINE**

1. The aim is to gain knowledge and skills to make decision about prediagnosis or diagnosis for diseases that are seen frequently and/or can be lethal or cripple while considering objectives of National Core Curriculum.
2. The aim is to raise as doctors who have quality to investigate and inquire, make professional decision according to ethical rules, manage patient and his/her family in holistic approach and can empathy.

## **LEARNING OBJECTIVES**

**At the end of internship in emergency medicine; students have ability to**

1. Take medical history from patient and his/her relatives.
2. Evaluate general status of patients.
3. Measure vital sings and evaluate results.
4. Perform physical exam that is focused on complaints.
5. Record and present anamnesis and physical exam.
6. Can decide basic laboratory (complete blood count, urinary test, biochemical parameters, ECG) and radiological tests according to results of anamnesis and physical exam, can interpret the result of tests, can make diagnosis of the lethal diseases that need urgent procedures and can manage patient at the setting of emergency department.

- 7.** Can identify patients who are in need of urgent treatment, can support airway, breathing and circulation status for critical patients and can decide about transport him/her to other facilities for further treatment.
- 8.** Can apply rules about how to request consultation.
- 9.** Can communicate with patient and patients' relatives.
- 10.** Can communicate with other health professionals
- 11.** Can communicate with his/her trainers in respectful manner.
- 12.** Can understand importance of effective communication for patient – physician and physician – physician relationship.
- 13.** Can manage forensic cases according to legal rules.

**EMERGENCY MEDICINE DEPARTMENT INTERNSHIP PROGRAMME**

<b>Disease – Status – Symptom</b>	<b>Level of Knowledge</b>	<b>System(s)</b>	<b>Lecturer</b>
ECG	T	Cardiovascular	Dr.A. Özhasenekler
Adult basic life support	A	Cardiovascular	Dr. M.Ergin
Use of basic and advanced airway equipment	TT	Respiratory	Dr. F.Tanrıverdi
Lethal arrhythmias and its management	A-ÖnT	Cardiovascular	Dr. M. Ergin
Tachy and brady arrhythmias and management	A-ÖnT	Cardiovascular	Dr. M. Ergin
Advanced life support	A-TT	Cardiovascular	Dr. M. Ergin
Electrical treatments	A	Cardiovascular	Dr. M.Ergin
Approach to a patient with shock	A	Multi - system	Dr. Ş. Gökhan
Approach to a patient with chest pain	A	Multi - system	Dr. Ş. Gökhan
Approach to a patient with dyspnea	A	Respiratory- Cardiovascular	Dr. Ş. Gökhan
Approach to a patient with loss of consciousness	A-T	Nervous – Behavior	Dr. Ş. Gökhan
Approach to a patient with headache	A-T	Nervous – Behavior	Dr. Ş. Gökhan
Approach to a patient with convulsion	A	Nervous – Behavior	Dr. Ş. Gökhan
Approach to a patient with abdominal pain	A-T	Gastro- intestinal	Dr. HŞ. Kavaklı
Approach to a patient with headache	A	Cardiovascular	Dr. HŞ. Kavaklı
Diabetic Emergencies	A-T	Endocrine	Dr. HŞ. Kavaklı
Communication skills in health	K	Nervous – Behavior	Dr.A.Özhasenekler
Basic principles of effective communication and communication errors	K	Nervous – Behavior	Dr.A.Özhasenekler
Cognitive distortions in communication and thinking errors	K	Nervous – Behavior	Dr. M. Ergin

Triage in prehospital field	A	Multi - system	Dr. M. Ergin
Scene management	A	Multi - system	Dr. M. Ergin
Management of patient with multi trauma	A	Multi - system	Dr. GK. Çelik
Trauma care in special patient groups	A	Multi - system	Dr. GK. Çelik
Management of patient with burn in ED	A-TT	Multi - system	Dr. F.Tanrıverdi
Wound repair techniques in ED	A-TT	Multi - system	Dr. F.Tanrıverdi
Intravenous and intraosseous line procedures	A	Cardiovascular	Dr. GK. Çelik
Performing nasogastric and foley sonda	A	Gastro-intestinal - genitourinary	Dr. GK. Çelik
Performing central IV catheter	A	Cardiovascular	Dr. GK. Çelik
Approach to a patient with intoxication	A-TT-İ	Multi - system	Dr. A.Özhasenekler
Toksidromes	A-TT-İ	Multi - system	Dr. A.Özhasenekler
Common conditions in ED	A-TT-İ	Multi - system	Dr. GK. Çelik
Anaphylaxis	A	Multi - system	Dr. HŞ. Kavaklı
Hot and cold emergencies	A	Multi - system	Dr. HŞ. Kavaklı
Electrical and lightning strikes	A-TT	Multi - system	Dr. HŞ. Kavaklı
The legal issues in ED	İ		Forensic Medicine
Patients' and physicians' legal rights	İ		Forensic Medicine
Announcement for death			Dr. A.Özhasenekler

## EMERGENCY MEDICINE INTEERNSHIP PROGRAM

1.Day			
TIME	ACTIVITY	SUBJECT	LECTURER
08.45 - 09.45	Interactive Discussion	Meeting At ED	DR. MEHMET ERGİN
10.00 - 10.40	Lecture	What is emergency medicine	
10.50 - 11.30	Lecture	Process in ED	
11.40 - 12.20	Lecture	Introduction to EM program	
<b>LUNCH BREAK</b>			
13.30 - 14.15	Lecture	Pateint - Physician Interaction	DR. AYHAN ÖZHASENEKLER
14.30 - 15.15	Lecture	Consultation in ED	
15.30 - 16.15	Lecture	Giving news of death at ED	
16.15 - 16.30	Interactive Discussion	End of day meeting	

### 1.DAY: Communication skills at ED

**Goal:** To increase level of communication skills in the field of health.

**Learning Objectives:**

1. Can provide effective communication between physician and patients.
2. an provide effective communication between physician and other health professionals.

<b>2.DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
<b>08.45 - 09.45</b>	Interactive Discussion	Bedside training time	
<b>10.00 - 10.40</b>	Lecture	Basic ECG - 1	DR. AYHAN ÖZHASENEKLER
<b>10.50 - 11.30</b>	Lecture	Basic ECG - 2	
<b>11.40 - 12.20</b>	Lecture	Basic ECG - 3	
<b>LUNCH BREAK</b>			
<b>13.30 - 14.15</b>	Practice	Diagnosing Rhythm	DR. AYHAN ÖZHASENEKLER
<b>14.30 - 15.15</b>	Practice		DR. MEHMET ERGİN
<b>15.30 - 16.15</b>	Practice		DR. GÜLHAN K. ÇELİK
<b>16.15 - 16.30</b>	Discussion	End of day meeting	

## **2.DAY: ECG and Arrhythmia Module**

**Goal:** To teach students the fundamentals for ECG and arrhythmia management.

### **Learning Objectives:**

The students

1. Can interpret ECG together clinical status.
2. Can diagnose rhythm disorder
3. Can treat rhythm disorders successfully.
4. Can decide when consultation is required for a patient with rhythm disorder.

3.DAY			
TIME	ACTIVITY	SUBJECT	LECTURER
08.45 - 09.45	Interactive Discussion	Bedside training time	
10.00 - 10.40	Lecture	Adult basic life support	DR. FATİH T ANRIVERDİ
10.50 - 11.30	Lecture	Basic airway devices and its' use	
11.40 - 12.20	Lecture	Advanced airway devices and its' use	
<b>LUNCH BREAK</b>			
13.30 - 14.15	Practice	1.Basic Life Support	DR. AYHAN ÖZHASENEKLER
14.30 - 15.15	Practice	2.Use of defibrillator	DR. MEHMET ERGİN
15.30 - 16.15	Practice	3.Management of Airway 4.Wound care	DR. GÜLHAN K. ÇELİK DR. FATİH TANRIVERDİ
16.15 - 16.30	Discussion	End of day meeting	

### 3.DAY: Basic Life Support And Airway Module

**Goal:** To teach students how to perform basic medical procedures when they face with sudden cardiac arrest and/or respiratory arrest.

#### Learning Objectives:

The students

1. Can perform basic life support procedures sequentially.
2. Can perform basic and advanced airway procedures for patients with dyspnea.

4.DAY			
TIME	ACTIVITY	SUBJECT	LECTURER
08.45 - 09.45	Interactive Discussion	Bedside training time	
10.00 - 10.40	Lecture	Management of lethal arrhythmias	DR. MEHMET ERGİN
10.50 - 11.30	Lecture	Management of lethal arrhythmias	
11.40 - 12.20	Lecture	Management of lethal arrhythmias	
<b>LUNCH BREAK</b>			
13.30 - 14.15	Practice	Case scenario	DR. MEHMET ERGİN
14.30 - 15.15	Practice	Case scenario	
15.30 - 16.15	Practice	Case scenario	
16.15 - 16.30	Discussion	End of day meeting	

#### 4.DAY: Advanced Life Support Module

**Goal:** To teach students how to perform advanced medical procedures when they face with sudden cardiac arrest and/or respiratory arrest or pre-arrest status.

#### **Learning Objectives:**

The students

1. Can diagnose arrest rhythms and treat successfully.
2. Can diagnose rhythm disorders that cause unstable or stabile clinical status and manage case successfully.
3. Can use defibrillator to perform defibrillation and cardioversion.

5.DAY			
TIME	ACTIVITY	SUBJECT	LECTURER
08.45 - 09.45	Interactive Discussion	Bedside training time	
10.00 - 10.40	Lecture	Approach to a patient with shock	DR. ŞERVAN GÖKHAN
10.50 - 11.30	Lecture	Approach to a patient with chest pain	
11.40 - 12.20	Lecture	Approach to a patient with dyspnea	
<b>LUNCH BREAK</b>			
13.30 - 14.15	Practice	Clinical Practice – Group A	DR. ŞERVAN GÖKHAN
14.30 - 15.15	Practice		
15.30 - 16.15	Practice		
16.15 - 16.30	Discussion	End of day meeting	

### 5.DAY: Hemodynamic Instability Module

**Goal:** To make students understand the priority of stabilization of airway, breathing and circulation for critical patients and make differential diagnosis at ED.

**Learning Objectives:**

The students:

1. Can determine priorities for patients with shock, make differential diagnosis and treat underlying reason at ED.
2. Can make differential diagnosis and determine treatment priorities for patients with chest pain at ED.
3. Can make differential diagnosis and determine treatment priorities for patients with dyspnea at ED.

6.DAY			
TIME	ACTIVITY	SUBJECT	LECTURER
08.45 - 09.45	Interactive Discussion	Bedside training time	
10.00 - 10.40	Lecture	Approach to a patient with loss of consciousness	DR. ŞERVAN GÖKHAN
10.50 - 11.30	Lecture	Approach to a patient with headache	
11.40 - 12.20	Lecture	Approach to a patient with convulsion	
<b>LUNCH BREAK</b>			
13.30 - 14.15	Practice	Clinical Practice – Group B	DR. ŞERVAN GÖKHAN
14.30 - 15.15	Practice		
15.30 - 16.15	Practice		
16.15 - 16.30	Discussion	End of day meeting	

### 6.DAY: Diagnostic Module

**Goal:** To make students understand the priority of stabilization of airway, breathing and circulation for critical patients and make differential diagnosis at ED.

#### Learning Objectives:

The students:

1. Can make differential diagnosis and determine treatment priorities for patients with loss of conscious at ED.
2. Can make differential diagnosis and determine treatment priorities for patients with headache at ED.
3. Can make differential diagnosis and determine treatment priorities for patients with convulsion at ED.

7.DAY			
TIME	ACTIVITY	SUBJECT	LECTURER
08.45 - 09.45	Interactive Discussion	Bedside training time	
10.00 - 10.40	Lecture	Approach to a patient with abdominal pain	DR. HAVVA Ş.KAVAKLI
10.50 - 11.30	Lecture	Approach to a patient with hypertension	
11.40 - 12.20	Lecture	Diabetic Emergencies Hypoglycemia, DKA, NKHC	
<b>LUNCH BREAK</b>			
13.30 - 14.15	Practice	1.Basic Life Support	DR. AYHAN ÖZHASENEKLER
14.30 - 15.15	Practice	2.Use of defibrillator	DR. MEHMET ERGİN
15.30 - 16.15	Practice	3.Management of Airway 4.Wound care	DR. GÜLHAN K. ÇELİK DR. FATİH TANRIVERDİ
16.15 - 16.30	Discussion	End of day meeting	

### 7.DAY: Diagnostic Module

**Goal:** To make students understand the priority of stabilization of airway, breathing and circulation for critical patients and make differential diagnosis at ED.

**Learning Objectives:**

The students

1. Can make differential diagnosis and determine treatment priorities for patients with abdominal pain at ED.
2. Can make differential diagnosis for hypertensive urgent and emergent status and determine treatment priorities for patients with loss of conscious at ED
3. Can make differential diagnosis between diabetic emergencies and determine treatment priorities for patients with loss of conscious at ED.

8.DAY			
TIME	ACTIVITY	SUBJECT	LECTURER
08.45 - 09.45	Interactive Discussion	Bedside training time	
10.00 - 10.40	Lecture	Organization of pre hospital EMS	DR. MEHMET ERGİN
10.50 - 11.30	Lecture	Triage at prehospital settings	
11.40 - 12.20	Lecture	Ambulance & Scene management	
<b>LUNCH BREAK</b>			
13.30 - 14.15	Practice	Clinical Practice - Group C	DR. MEHMET ERGİN
14.30 - 15.15	Practice		
15.30 - 16.15	Practice		
16.15 - 16.30	Discussion	End of day meeting	

### 8.DAY: Prehospital Organization and Procedures

**Goal:** To increase level of knowledge of students about prehospital emergency services.

**Learning Objectives:**

The students

1. Can work within prehospital emergency medicine organizations.
2. Can perform triage in prehospital settings when mass casualty happens
3. Can obey fundamentals of scene management in prehospital settings.

9.DAY			
TIME	ACTIVITY	SUBJECT	LECTURER
08.45 - 09.45	Interactive Discussion	Bedside training time	
10.00 - 10.40	Lecture	Multi trauma management at ED	DR. GULHAN K.CELİK
10.50 - 11.30	Lecture		
11.40 - 12.20	Lecture	Trauma care in special patient groups	
<b>LUNCH BREAK</b>			
13.30 - 14.15	Practice	Clinical Practice - Group D	DR. GULHAN K.CELİK
14.30 - 15.15	Practice		
15.30 - 16.15	Practice		
16.15 - 16.30	Discussion	End of day meeting	

### 9.DAY: Trauma Module

**Goal:** To make students understand the priority of stabilization of airway, breathing and circulation for trauma patients and make differential diagnosis at ED.

#### **Learning Objectives:**

The students

1. Can perform primary exam of patients admitted to ED due to trauma
2. Can perform secondary exam of patients admitted to ED due to trauma.
3. Can plan laboratory and radiological tests according to basis of care for trauma.
4. Can know differences in trauma care between different age groups and apply these rules.

10.DAY			
TIME	ACTIVITY	SUBJECT	LECTURER
08.45 - 09.45	Interactive Discussion	Bedside training time	
10.00 - 10.40	Lecture	Management of patient with burn in ED	DR. FATİH TANRIVERDİ
10.50 - 11.30	Lecture	Wound repair techniques in ED	
11.40 - 12.20	Lecture		
<b>LUNCH BREAK</b>			
13.30 - 14.15	Practice	Clinical Practice – Group E	DR. FATİH TANRIVERDİ
14.30 - 15.15	Practice		
15.30 - 16.15	Practice		
16.15 - 16.30	Discussion	End of day meeting	

### 10.DAY: Wound Repair Techniques

**Goal:** To make students understand the principles of wounds care and be able to fundamental techniques.

**Learning Objectives:**

The students

1. Can manage patients with burn successfully.
2. Can perform wound care and basic procedure.

11.DAY			
TIME	ACTIVITY	SUBJECT	LECTURER
08.45 - 09.45	Interactive Discussion	Bedside training time	
10.00 - 10.40	Lecture	Diagnosis with high risk for fatality	Dr. GÜLHAN K.ÇELİK
10.50 - 11.30	Lecture		
11.40 - 12.20	Lecture		
<b>LUNCH BREAK</b>			
13.30 - 14.15	Practice	Invasive procedures at ED	DR. AYHAN ÖZHASENEKLER
14.30 - 15.15	Practice		DR. MEHMET ERGİN
15.30 - 16.15	Practice		DR. GÜLHAN K. ÇELİK
16.15 - 16.30	Discussion	End of day meeting	

### 11.DAY: Deadly Diagnosis Module

**Goal:** To make students consider diagnoses those are likely to be overlooked but result in dead within differential diagnosis.

#### Learning Objectives:

The students

1. Can consider deadly diagnosis in the first line while managing patients at ED.
2. Can avoid possible fatal mistakes while evaluating the results of laboratory and radiological tests.
3. Can avoid possible fatal mistakes during follow up of patients at ED.

12.DAY			
TIME	ACTIVITY	SUBJECT	LECTURER
08.45 - 09.45	Interactive Discussion	Bedside training time	
10.00 - 10.40	Lecture	Approach to a patient with intoxication	DR. AYHAN ÖZHASENEKLER
10.50 - 11.30	Lecture	Toksidromes	
11.40 - 12.20	Lecture	Common Poisoning	
<b>LUNCH BREAK</b>			
13.30 - 14.15	Practice	Clinical Practice – Group F	DR. AYHAN ÖZHASENEKLER
14.30 - 15.15	Practice		
15.30 - 16.15	Practice		
16.15 - 16.30	Discussion	End of day meeting	

### 12.DAY: Toxicology Module

**Goal:** To make students understand fundamentals for management of patients admitted to ED due to poisoning

**Learning Objectives:**

The students

1. Can consider 'poisoning and overdosing' terms in differential diagnosis while managing patients at ED.
2. Can provide security chain for airway, breathing and circulation while managing patients intoxicated
3. Can perform decontamination methods at ED.
4. Can perform antidotal treatment at ED for patients intoxicated.

13.DAY			
TIME	ACTIVITY	SUBJECT	LECTURER
08.45 - 09.45	Interactive	Bedside training time	
	Discussion		
10.00 - 10.40	Lecture	Anaphylaxes	DR. HAVVA Ş.KAVAKLI
10.50 - 11.30	Lecture	Hot and Cold Emergencies	
11.40 - 12.20	Lecture	Electrical and lightning strikes	
<b>LUNCH BREAK</b>			
13.30 - 14.15	Self Study	General Practice Assessment	
14.30 - 15.15	Self Study		
15.30 - 16.15	Self Study		
16.15 - 16.30	Self Study		

### 13.DAY: Environmental Emergencies Module

**Goal:** To make students understand fundamentals for management of patients admitted to ED due to environmental emergencies.

#### Learning Objectives:

The students

1. Can identify allergic and anaphylactic reactions and treat immediately.
2. Can identify and make differential diagnosis between hot and cold emergencies.
3. Can manage patients admitted to ED due to electrical and lightning strikes.

14.DAY			
TIME	ACTIVITY	SUBJECT	LECTURER
08.30 - 09.00	Self study	-	
09.15 - 10.00	Lecture	The legal issues in ED	FORENSIC MEDICINE
10.15 - 11.00	Lecture	Patients' and physicians' legal rights	
11.15 - 12.00	Lecture	Announcement for death	
LUNCH BREAK			
13.30 - 14.15	Self Study	Forensic Medicine	FORENSIC MEDICINE
14.30 - 15.15	Self Study	Forensic Medicine	
15.30 - 16.15	Self Study	Forensic Medicine	
16.15 - 16.30	Self Study	Forensic Medicine	

#### 14.DAY: Forensic Module

**Goal:** To make students accomplish issues related with forensic medicine.

**Learning Objectives:**

The students

1. Can obey legal rights of physician and patients.
2. Can obey important points while writing forensic reports qt ED.
3. Can perform important points to be considered while announcing death

15.DAY		
TIME	ACTIVITY	LECTURER
09.00 - 10.00	WRITTEN EXAM	ALL ACADEMIC STUFF
10.30 - 11.00	ANNOUNCING RESULTS OF WRITTEN EXAM	
11.00 - 12.30	PRACTICAL EXXAM	
LUNCH BREAK		
13.45 - 17.30	ORAL EXAM	ALL ACADEMIC STUFF

## REFERENCES FOR EMERGENCY MEDICINE PROGRAM

1. 2010 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science with Treatment Recommendations and 2010 American Heart Association and American Red Cross International Consensus on First Aid Science with Treatment Recommendations. *Circulation* 2010; 122: S249.
2. 2015 American Heart Association Guidelines Update for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care
3. Advanced Trauma Life Support Course Book. American College of Surgeons, 2010.
4. First Aid For The: Acil Tıp Yeterlilik Sınavı. Şervan Gökhan, Ayhan Özhasenekler (Editörler); Nobel Tıp Kitapevi, 2016.
5. Tintinalli Acil Tıp: Kapsamlı Bir Çalışma Kılavuzu. Yıldırım Çete, Arzu Denizbaşı, Arif Alper Çevik, Cem Oktay, Rıdvan Atilla (Editörler); Nobel Tıp Kitabevleri.
6. Rosen's Emergency Medicine: Concepts and Clinical Practice. John Marks, Robert Hockberger, Ron Walls (Editors); Elsevier Saunders.
7. Strauss and Mayer's Acil Servis Yönetimi. Şervan Gökhan, Ayhan Özhasenekler, Mehmet Ergin (Editörler), Nobel Tıp Kitapevi, 2017.
8. Kanıta Dayalı Travma Yönetimi Kurs (KADAT) Kitabı. Osmangazi Üniversitesi Tıp Fakültesi Acil Tıp Anabilim Dalı, Eskişehir, 2016.
9. Uptodate ve Acilci.net web siteleri

## 2017-2018 YEAR OF STUDY

### 5th TERM ANESTHESIOLOGY AND REANIMATION STAGE

#### STAGE LENGTH

10 work days

#### Location of Education:

The theoretical lectures of stage, are going to take place in Atatürk Education and Research Hospital's seminar hall of the operating room.

The practical trainings of the stage, are going to take place in the operation rooms of Atatürk Education and Research Hospital and Keçiören Education and Research Hospital.

Head of the Department: Prof. Dr. Abdulkadir BUT

Authorized by: Prof. Dr. Abdulkadir BUT

Assoc. Prof. Dr. Handan Gulec

#### EDUCATORS:

Prof. Dr. Abdulkadir BUT

Prof. Dr. Seval İZDEŞ

Assoc. Prof. Dr. Mustafa AKSOY

Assoc. Prof. Dr. Eyüp HORASANLI

Assoc. Prof. Dr. Levent ÖZTÜRK

Assoc. Prof. Dr. Handan GÜLEÇ

#### ASSESSMENT AND EVALUATION:

At the end of the stage are evaluated by two methods:

1) Practical/Verbal examination: is going to be done by a jury of two academics.

2) Written test: with the types of multiple choices, open-ended, true-false and fill in the blanks questions. It aims to assess the knowledge of the student.

The effects of the both exams to the stage result is %50. The student is determined as success/fail by the stage result.

## THE PRINCIPLES AND TRAINING AREAS OF THE STAGE

- 1) Training areas of the students during the stages are (Atatürk Ed. and Res. Hospt./Keçiören Ed. and Res. Hospt.) operation room, intensive care unit, anaesthesia polyclinic.
- 2) Stage starts at 8:00 and finishes at 16:30 on weekdays. Lunch break is at 12:30-13:30.
- 3) It is obligated for students to attend the theoretical lectures and complete the practical trainings properly according to the programme.
- 4) Students have to take care of the rules of operation room and ICU.
- 5) Students may stay on duty for 24 hours voluntarily.

## THE PURPOSES OF THE STAGE:

- 1) To teach students knowledge and skills about anaesthesia, algology, ICU by considering the learning purposes that are indicated in Natural Base-line(CORE) Education Programme.
- 2) To ensure them to be brought up as researchive, interrogative doctors who take care about the ethical rules of the job, have a total approach to patients and families and who can show empathy.

## ANESTHESIOLOGY AND REANIMATION STAGE PROGRAMME

Hastalık-durum-semptom	Bilgi derecesi	Sistem/ler	ÖĞRETİM ÜYESİ
Introduction and working principles of OR	T	Multisistem	Prof.Dr. Abdulkadir BUT
Introduction and working principles of ICU	TT-İ-K	Multisistem	Prof.Dr. Seval İZDEŞ
The equipment and the usage of OR, santral gas system	TT-İ-K	Multisistem	Doç.Dr Mustafa AKSOY
Anaesthesia machine, equipment, airway devices	TT-İ-K	Multisistem	Assoc.Prof.Dr. Handan Güleç
Airway check	T-A	Multisistem	Assoc.Prof.Dr. Eyüp HORASANLI
CPR	TT-K	Multisistem	Assoc.Prof.Dr. Handan Güleç
Pre-operative evaluation	TT-K	Multisistem	Prof.Dr. Abdulkadir BUT
Intravenous anaesthetics	TT-K	Multisistem	Assoc.Prof.Dr. Levent ÖZTÜRK

Anaesthetic complications	TT-A-K	Multisistem	Assoc.Prof.Dr. Mustafa AKSOY
Establishing periferic vascular access	TT-A-K	Multisistem	Assoc.Prof.Dr. Levent ÖZTÜRK
Operation positions	TT-K	Multisistem	Assoc.Prof.Dr. Levent ÖZTÜRK
Respiratory Failure	T-K	Multisistem	Prof.Dr. Abdulkadir BUT
Mechanical ventilation in ICU and O2 treatment principles	ÖnT	Multisistem	Prof.Dr. Seval İZDEŞ
Local anaesthetics	ÖnT-K	Multisistem	Assoc.Prof.Dr. Eyüp HORASANLI
Inhalation anaesthetics	TT-K	Multisistem	Assoc.Prof.Dr. Levent ÖZTÜRK
Acute pain treatment	ÖnT-K	Multisistem	Assoc.Prof.Dr. Handan Güleç
Chronic pain treatment	TT-K	Multisistem	Assoc.Prof.Dr. Handan Güleç
Neuromuscular blocking agent	ÖnT	Multisistem	Assoc.Prof.Dr. Levent ÖZTÜRK
ARDS and the treatment	A	Multisistem	Prof.Dr. Abdulkadir BUT
Palliative care	TT-K	Multisistem	Assoc.Prof.Dr. Mustafa AKSOY
Basic principles of regional anesthesia	TT-K	Multisistem	Assoc.Prof.Dr. Eyüp HORASANLI
Establishing santral vascular access	K	Multisistem	Prof.Dr. Abdulkadir BUT
Establishing periferic vascular access	K	Multisistem	Assoc.Prof.Dr. Mustafa AKSOY
Blood gas	ÖnT	Multisistem	Prof.Dr. Abdulkadir BUT
Intratechal exercises	ÖnT-K	Multisistem	Assoc.Prof.Dr. Eyüp HORASANLI
Poisoning	TT-K	Multisistem	Assoc.Prof.Dr. Mustafa AKSOY
Mechanical ventilator	TT-İ-K	Multisistem	Prof.Dr. Seval İZDEŞ

## STAGE PROGRAMME

<b>1st Day Hours</b>	<b>Lecture</b>	<b>Subject</b>	<b>Academics</b>
<b>8:00 - 8:50</b>	Theoretical	Introduction and working principles of OR	Prof.Dr. Abdulkadir BUT
<b>9:00 - 9:50</b>	Theoretical	Introduction and working principles of ICU	Prof.Dr. Seval İZDES
<b>10:00 - 10:50</b>	Practical	The equipment and the usage of OR, santral gas system	Assoc.Prof.Dr Mustafa AKSOY
<b>11:00 - 11:50</b>	Practical	The equipment and the usage of OR, santral gas system	Assoc.Prof.Dr. Mustafa AKSOY
<b>LUNCH BREAK</b>			
<b>13:30 - 14:20</b>	Practical	Anaestheisa machine, equipment, airway devices	Assoc.Prof.Dr. Handan GULEC
<b>14:30 - 15:20</b>	Practical	Anaestheisa machine, equipment, airway devices	Assoc.Prof.Dr. Handan GULEC
<b>15:30 - 16:20</b>	Practical	Free study	

<b>2nd Day Hours</b>	<b>Lecture</b>	<b>Subject</b>	<b>Academics</b>
<b>8:00 - 8:50</b>	Practical	Airway check	All of the academics
<b>9:00 - 9:50</b>	Theoretical	Airway check	Assoc.Prpf. Dr. Eyup HORASANLI
<b>10:00 - 10:50</b>	Theoretical	CPR	Assoc.Prof.Dr. Handan GULEC
<b>11:00 - 11:50</b>	Practical	CPR	Assoc.Prof.Dr Handan GULEC
<b>LUNCH BREAK</b>			
<b>13:30 - 14:20</b>	Practical	Pre-operative evaluation	Prof.Dr. Abdulkadir BUT
<b>14:30 - 15:20</b>	Practical	Pre-operative evaluation	Prof.Dr. Abdulkadir BUT
<b>15:30 - 16:20</b>	Practical	Pre-operative evaluation	Prof.Dr. Abdulkadir BUT

<b>3th DAY Hours</b>	<b>Lecture</b>	<b>Subject</b>	<b>Academic</b>
<b>8:00 - 8:50</b>	Practical	Airway check	All of the academics
<b>9:00 - 9:50</b>	Theoretical	Intravenous anaesthetics	Assoc.Prof.Dr. Levent OZTURK
<b>10:00 - 10:50</b>	Theoretical	Inhalation anaesthetics	Assoc.Prof.Dr. Levent ÖZTÜRK
<b>11:00 - 11:50</b>	Theoretical	Anaesthetic complications	Assoc.Prof.Dr. Mustafa AKSOY
<b>LUNCH BREAK</b>			
<b>13:30 - 14:20</b>	Practical	Establishing periferic vascular access	Assoc.Prof.Dr. Levent OZTURK
<b>14:30 - 15:20</b>	Practical	Venipuncture, injections	All of the academics. Levent OZTURK
<b>15:30 - 16:20</b>	Practical	Operation positions	Assoc.Prof.Dr. Levent OZTURK

<b>4th DAY Hours</b>	<b>Lecture</b>	<b>Subject</b>	<b>Academic</b>
<b>8:00 - 8:50</b>	Practical	Airway check	All of the academics
<b>9:00 - 9:50</b>	Theoretical	Acute pain treatment	Assoc.Prof.Dr.Handan GULEC
<b>10:00 - 10:50</b>	Theoretical	Chronic pain treatment	Assoc.Prof.Dr. Handan GULEC
<b>11:00 - 11:50</b>	Theoretical	Neuromuscular blocking agent	Assoc.Prof.Dr. Levent OZTURK
<b>LUNCH BREAK</b>			
<b>13:30 - 14:20</b>	Pratik	Establishing periferic vascular access	All of the academics
<b>14:30 - 15:20</b>	Pratik	Venipuncture,injections	All of the academics
<b>15:30 - 16:20</b>	Pratik	Venipuncture,injections	All of the academics

<b>5 th DAY Hours</b>	<b>Lecture</b>	<b>Subject</b>	<b>Academic</b>
<b>8:00 - 8:50</b>	Practical	Airway check	All of the academics
<b>9:00 - 9:50</b>	Theoretical	Respiratory Failure	Prof.Dr. Abdulkadir BUT
<b>10:00 - 10:50</b>	Theoretical	ARDS and the treatment	Prof.Dr. Abdulkadir BUT
<b>11:00 - 11:50</b>	Theoretical	Mechanical ventilation in ICU and O2 treatment principles	Prof.Dr. Seval IZDES
<b>LUNCH BREAK</b>			
<b>13:30 - 14:20</b>	Clinical Seminer		
<b>14:30 - 15:20</b>	Clinical Seminer		
<b>15:30 - 16:20</b>	Practical	Free time study	

<b>6.GÜN Hours</b>	<b>Lecture</b>	<b>Subject</b>	<b>Academic</b>
<b>8:00 - 8:50</b>	Practical	Airway check	All of the academics
<b>9:00 - 9:50</b>	Theoretical	Local anaesthetics	Assoc.Prof.Dr. Eyup HORASANLI
<b>10:00 - 10:50</b>	Theoretical	Basic principles of regional anasthesia	Assoc.Prof.Dr. Eyup HORASANLI
<b>11:00 - 11:50</b>	Practical	Establishing periferic vascular access	All of the academics
<b>LUNCH BREAK</b>			
<b>13:30 - 14:20</b>	Practical	Establishing santral vascular access	Prof.Dr. Abdulkadir BUT
<b>14:30 - 15:20</b>	Practical	Establishing santral vascular access	Assoc.Prof.Dr. Mustafa AKSOY
<b>15:30 - 16:20</b>	Practical	Free time study	

<b>7 th DAY Hours</b>	<b>Lecture</b>	<b>Subject</b>	<b>Academic</b>
<b>8:00 - 8:50</b>	Practical	Airway check	All of the academics
<b>9:00 - 9:50</b>	Theoretical	Blood gas	Prof.Dr. Abdulkadir BUT
<b>10:00 - 10:50</b>	Theoretical	Sepsis	Prof.Dr. Seval İZDES
<b>11:00 - 11:50</b>	Practical	Establishing periferic vascular access	
<b>LUNCH BREAK</b>			
<b>13:30 - 14:20</b>	Practical	Monitorization	Prof.Dr. Seval İZDES
<b>14:30 - 15:20</b>	Practical	Monitorization	Prof.Dr. Seval İZDES
<b>15:30 - 16:20</b>	Practical	Free time study	

<b>8th DAY Hours</b>	<b>Lecture</b>	<b>Subject</b>	<b>Academic</b>
<b>8:00 - 8:50</b>	Practical	Airway check	All of the academics
<b>9:00 - 9:50</b>	Theoretical	Basic principles of regional anasthesia	Assoc.Prof.Dr. Mustafa AKSOY
<b>10:00 - 10:50</b>	Theoretical	Poisoning	Assoc.Prof.Dr. Mustafa AKSOY
<b>11:00 - 11:50</b>	Practical		
<b>LUNCH BREAK</b>			
<b>13:30 - 14:20</b>	Practical	Mechanical ventilator	Prof.Dr. Seval İZDES
<b>14:30 - 15:20</b>	Practical	Mechanical ventilator	Prof.Dr. Seval İZDES
<b>15:30 - 16:20</b>	Practical	Free time study	

<b>9 th DAY.GÜN Hours</b>	<b>Lecture</b>	<b>Subject</b>	<b>Academic</b>
<b>8:00 - 8:50</b>	Practical	Airway check	All of the academics
<b>9:00 - 9:50</b>	Theoretical	Palliative care	Assoc.Prof.Dr. Mustafa AKSOY
<b>10:00 - 10:50</b>	Practical	Nasogastric, urinary catheter exercises	Prof.Dr. Seval İZDES
<b>11:00 - 11:50</b>	Practical	Nasogastric, urinary catheter exercises	Prof.Dr. Seval İZDES
<b>LUNCH BREAK</b>			
<b>13:30 - 14:20</b>	Practical	Intratechal exercises	Assoc.Prof.Dr. Eyup HORASANLI
<b>14:30 - 15:20</b>	Practical	Intratechal exercises	Assoc.Prof.Dr. Eyup HORASANLI
<b>15:30 - 16:20</b>	Practical	Free-time study	

<b>10th day Hours</b>	<b>Lecture</b>	<b>Subject</b>	<b>Academic</b>
<b>8:00 - 8:50</b>		EXAM	
<b>9:00 - 9:50</b>		EXAM	
<b>10:00 - 10:50</b>		Stage evaluation	
<b>11:00 - 11:50</b>		Stage evaluation	
<b>LUNCH BREAK</b>			
<b>13:30 - 14:20</b>			
<b>14:30 - 15:20</b>			
<b>15:30 - 16:20</b>			

## RECOMMENDED REFERENCES

- 1) Clinical Anesthesiology G. Edward Morgan 5.edition
- 2) Miller's Anesthesia Seventh Edition
- 3) Temel Anestezi Yüksel Keçik
- 4) Klinik Anestezi Zeynep Kayhan  
Lange Current Yoğun
- 5) Bakım

**2017-2018 TRAINING AND EDUCATION SESSION  
PERIOD V – PEDIATRIC SURGERY CURRICULUM**

**ABOUT CURRICULUM**

**ATTENDANCE PERIOD**

10 days in working period,  
The curriculum will be applied 6 times in an education session.

**ATTENDANCE LOCATION**

For lectures; Ankara Çocuk Sağlığı ve Hastalıkları Hematoloji-Onkoloji Eğitim ve Araştırma Hastanesi Pediatric Surgery Clinics Education Classes.

For practical trainings; Ankara Çocuk Sağlığı ve Hastalıkları Hematoloji-Onkoloji Eğitim ve Araştırma Hastanesi Pediatric Surgery out-patient exam rooms, clinics, pediatric surgery intensive care unit, pediatric burns unite and operating theatres.

**Chief of Department:** Prof. Dr. Emrah ŞENEL

**Curriculum Coordinator:** Assoc.Prof. Dr. Atilla ŞENAYLI

**Lecturers**

Prof. Dr. Emrah ŞENEL

Assoc.Prof.. Dr. Atilla ŞENAYLI

**SURVEY and ASSESSMENT**

Two layered survey and assessment procedure is performed.

1. Oral Examination: This exam aimed to evaluate trainees' capability of getting a history form patient, performing a differentiation diagnosis, and coordinating the treatment. In examination, examination jury will seek for the student abilities on getting history, making differential diagnosis and treatment skills. Oral examination will evaluate students' perception of lectures.
2. Written Examination: Multiple Choice Examination (MCQ), open ended, true-false or classical questions will be structured.  
In the end of examinations, student will be graded as "successful/ not successful". Oral and written examinations affect this grading equally.

**AIMS OF EDUCATION**

1. As marked in National Core Education Program, frequent diseases and emergency situation that has to be managed will be taught at pre-diagnose or diagnose level. Also this education aims to teach and develop skills for treatment strategies at first stage level.
2. Also this program aims to make student gaining skills for; managing ethical issues, evaluating patient with parents in common and making health strategies in an investigative and interrogator manner.

**EDUCATION TARGETS**

In conclusion of Pediatric Surgery Curriculum, 5<sup>th</sup> period entrepreneurs;

1. Summons suitable information from patients and/or parents.
2. Evaluates patients' condition.
3. Monitors findings and determine abnormalities.
4. Performs physical examinations.
5. Records and presents histories and physical examination findings.
6. Orders suitable laboratory batteries (complete blood count, complete urine analysis, basic biochemical tests, basic radiologic test) after getting patients' history and performing an appropriate physical examination. Analyses results, diagnose or pre-diagnose common pediatric surgery diseases, performs first-stage treatments.
7. Recognize emergent pediatric surgery diseases, and transfer critical patients to an upper stage hospital while providing cardiopulmonary support.
8. Has a fair relationship with patient parents.
9. Has fair relationships with healthcare providers
10. Has practice for appropriate communication with lecturers

11. Develops skills for patient-practitioner and practitioner-practitioner relations, and understands how important is these communications.

#### TARGETS of PEDIATRIC SURGERY CURRICULUM

Disease-Situation-Symptoms	Expectance	System(s)	Lecturer
Introduction to Pediatric Surgery	DT-A-F	Multisystem	Prof.Dr.Emrah ŞENEL
Newborn and other age groups in Pediatric Surgery	DT-A-F	Multisystem	Prof.Dr.Emrah ŞENEL
Symptoms and Findings in Pediatric Surgery	DT-A-F	Multisystem	Prof..Dr.Emrah ŞENEL
Fluid-Electrolyte	DT-E-F	Multisystem	Prof..Dr.Emrah ŞENEL
Inguinal Region Diseases	PD-D-E	Genitourinary	Assoc.Prof. Dr. Atilla ŞENAYLI
Penis Abnormalities	D	Genitourinary	Prof.Dr.Emrah ŞENEL
Acute Abdomen	PD-DT-F-E-A	Respiratory	Prof.Dr.Emrah ŞENEL
Gastrointestinal System malformations	PD-DT-F-E-A	Gastrointestinal	Assoc.Prof. Dr. Atilla ŞENAYLI
Trauma	PD-DT-E-F-A	Multisystem	Prof..Dr.Emrah ŞENEL
Thorax Diseases	PD-D-E-F-A	Thorax	Assoc.Prof. Dr. Atilla ŞENAYLI
Urologic Diseases	PD-D-E	Urinary System	Prof..Dr.Emrah ŞENEL
Disorders of Sexual Differentiations	PD	Genital System	Assoc.Prof. Dr. Atilla ŞENAYLI
Head&Neck Diseases	PD-D- F-A	Head&Neck	Assoc.Prof. Dr. Atilla ŞENAYLI
Tumors	PD	Multisystem	Prof.Dr.Emrah ŞENEL
Surgical Infections	PD-DT-F-A-E	Multisystem	Assoc.Prof. Dr. Atilla ŞENAYLI
Invasive Treatments		Multisystem	Assoc.Prof. Dr. Atilla ŞENAYLI

**D:Diagnosis**  
**T:Treatment**  
**A: First Aid**  
**F:Follow-up**  
**E:Emergency**  
**PD:Pre-diagnosis**

**PEDIATRIC SURGERY CURRICULUM SCHEDULE**

<b>1. DAY</b>			
<b>TIME INTERVALS</b>	<b>ACTIVITY</b>	<b>LECTURE</b>	<b>LECTURER</b>
<b>08.15 - 12.00</b>	Practice	Observing Pediatric Surgery Clinics, Operating Theatres, Intensive Care Unit, Outpatient Exam rooms	Prof.Dr.Emrah ŞENEL Assoc.Prof. Dr. Atilla ŞENAYLI
<b>LUNCH BREAK</b>			
<b>13.30 – 14.15</b>	Lecture	Inguinoscrotal region Diseases	Prof.Dr.Emrah ŞENEL
<b>14.30 - 15.15</b>	Lecture	Inguinoscrotal region Diseases	Prof.Dr.Emrah ŞENEL
<b>15.30- 16.15</b>	Lecture	Inguinoscrotal region Diseases	Prof.Dr.Emrah ŞENEL

<b>2. DAY</b>			
<b>TIME INTERVALS</b>	<b>ACTIVITY</b>	<b>LECTURE</b>	<b>LECTURER</b>
<b>08.15 - 12.00</b>	Practice		
<b>LUNCH BREAK</b>			
<b>13.30 - 14.15</b>	Lecture	Abdominal wall pathologies	Prof.Dr.Emrah ŞENEL
<b>14.30 - 15.15</b>	Lecture	Abdominal wall pathologies	Prof.Dr.Emrah ŞENEL
<b>15.30 - 16.15</b>	Lecture	Pediatric Head & Neck Tumors and Diseases	Assoc.Prof. Dr. Atilla ŞENAYLI

<b>3. DAY</b>			
<b>TIME INTERVALS</b>	<b>ACTIVITY</b>	<b>LECTURE</b>	<b>LECTURER</b>
<b>08.15 - 12.00</b>	Practice		
<b>LUNCH BREAK</b>			
<b>13.30 - 14.15</b>	Lecture	Pediatric Thorax Diseases	Prof.Dr.Emrah ŞENEL
<b>14.30 - 15.15</b>	Lecture	Pediatric Thorax Diseases	Prof.Dr.Emrah ŞENEL
<b>15.30 - 16.15</b>	Lecture	Pediatric Thorax Diseases	Prof.Dr.Emrah ŞENEL

<b>4. DAY</b>			
<b>TIME INTERVALS</b>	<b>ACTIVITY</b>	<b>LECTURE</b>	<b>LECTURER</b>
<b>08.15 - 12.00</b>	Practice		
<b>LUNCH BREAK</b>			
<b>13.30 - 14.15</b>	Lecture	Assessment of Abdominal Pain in Childhood	Prof.Dr.Emrah ŞENEL
<b>14.30 - 15.15</b>	Lecture	Acute Abdomen	Prof.Dr.Emrah ŞENEL
<b>15.30- 16.15</b>	Lecture	Acute Abdomen	Prof.Dr.Emrah ŞENEL

<b>5. DAY</b>			
<b>TIME INTERVALS</b>	<b>ACTIVITY</b>	<b>LECTURE</b>	<b>LECTURER</b>
<b>08.15 - 12.00</b>	Practice		
<b>LUNCH BREAK</b>			
<b>13.30 - 14.15</b>	Lecture	Assessment of Newborn	Prof.Dr.Emrah ŞENEL
<b>14.30 - 15.15</b>	Lecture	Gastrointestinal Atresia	Prof.Dr.Emrah ŞENEL
<b>15.30 - 16.15</b>	Lecture	Gastrointestinal Atresia	Prof.Dr.Emrah ŞENEL

<b>6. DAY</b>			
<b>TIME INTERVALS</b>	<b>ACTIVITY</b>	<b>LECTURE</b>	<b>LECTURER</b>
<b>08.15 - 12.00</b>	Practice		
<b>LUNCH BREAK</b>			
<b>13.30 - 14.15</b>	Lecture	Childhood Tumors	Assoc.Prof. Dr. Atilla ŞENAYLI
<b>14.30 - 15.15</b>	Lecture	Childhood Tumors	Assoc.Prof. Dr. Atilla ŞENAYLI
<b>15.30 - 16.15</b>	Lecture	Childhood Tumors	Assoc.Prof. Dr. Atilla ŞENAYLI

<b>7. DAY</b>			
<b>TIME INTERVALS</b>	<b>ACTIVITY</b>	<b>LECTURE</b>	<b>LECTURER</b>
<b>08.15 - 12.00</b>	Practice		
<b>LUNCH BREAK</b>			
<b>13.30 - 14.15</b>	Lecture	Gastrointestinal Bleeding	Prof.Dr.Emrah ŞENEL
<b>14.30 - 15.15</b>	Lecture	Gastrointestinal Bleeding	Prof.Dr.Emrah ŞENEL
<b>15.30 - 16.15</b>	Lecture	Gastrointestinal Diseases and Megacolon	Assoc.Prof. Dr. Atilla ŞENAYLI

<b>8. DAY</b>			
<b>TIME INTERVALS</b>	<b>ACTIVITY</b>	<b>LECTURE</b>	<b>LECTURER</b>
<b>08.15 - 12.00</b>	Practice		
<b>LUNCH BREAK</b>			
<b>13.30 - 14.15</b>	Lecture	Assessment of Trauma	Prof.Dr.Emrah ŞENEL
<b>14.30 - 15.15</b>	Lecture	Abdominal and Thoracal Trauma	Prof.Dr.Emrah ŞENEL
<b>15.30 - 16.15</b>	Lecture	Abdominal and Thoracal Trauma	Prof.Dr.Emrah ŞENEL

<b>9. DAY</b>			
<b>TIME INTERVALS</b>	<b>ACTIVITY</b>	<b>LECTURE</b>	<b>LECTURER</b>
<b>08.15 - 12.00</b>	Practice		
<b>LUNCH BREAK</b>			
<b>13.30 – 14.15</b>	Lecture	Urinary System Pathologies U-P Junction Obstructions, U-V Junction Obstructions, vesicoureteral reflux	Assoc.Prof. Dr. Atilla ŞENAYLI
<b>14.30 - 15.15</b>	Lecture	Urinary System Pathologies U-P Junction Obstructions, U-V Junction Obstructions, vesicoureteral reflux	Assoc.Prof. Dr. Atilla ŞENAYLI
<b>15.30 – 16.30</b>	Lecture	Disorders of Sexual Differentiation, Penis abnormalities	Assoc.Prof. Dr. Atilla ŞENAYLI

<b>10. DAY</b>			
<b>TIME INTERVALS</b>	<b>ACTIVITY</b>	<b>LECTURE</b>	<b>LECTURER</b>
<b>08.30 - 12.00</b>	Written examination		Prof.Dr.Emrah ŞENEL Assoc.Prof. Dr. Atilla ŞENAYLI
<b>LUNCH BREAK</b>			
<b>13.30 – 15.30</b>	Oral examination		Prof.Dr.Emrah ŞENEL Assoc.Prof. Dr. Atilla ŞENAYLI
<b>15.30 – 16.30</b>	Critics		Prof.Dr.Emrah ŞENEL Assoc.Prof. Dr. Atilla ŞENAYLI

## **RECOMMENDED BOOKS**

1-Pediatric surgery. —7th ed. / editor in chief, Arnold G. Coran ; associate editors, N. Scott Adzick ... [et al.].ISBN 978-0-323-07255-

2-Ashcraft's pediatric surgery/[edited by] George Whitfield Holcomb III, J. Patrick Murphy; associate editor, Daniel J. Ostlie. — 5th ed.ISBN 978-1-4160-6127-4

3- Basic Techniques in Pediatric Surgery. Robert Carachi, Sandeep Agarwala, Tim J. Bradnock. 2013th Edition. ISBN 9783642206405

4-Pediatri, Murat Yurdakök, 1.Baskı, 1.Cilt, 6.Kısım, 11.Bölüm Yenidoğan Karın Hastalıkları ISBN 978-975-277-663-0

- 5- Pediatri, Murat Yurdakök, 1.Baskı, 3.Cilt, 18.Kısım, Mide ve Bağırsak Hastalıkları ISBN 978-975-277-663-0
- 6- Pediatri, Murat Yurdakök, 1.Baskı, 3.Cilt, 20.Kısım, 2. Bölüm Konjenital Anomaliler ISBN 978-975-277-663-0
- 7- Pediatri, Murat Yurdakök, 1.Baskı, 3.Cilt, 20.Kısım, 8.Bölüm Ürolojik Hastalıklar ISBN 978-975-277-663-0
- 8- Pediatri, Murat Yurdakök, 1.Baskı, 3.Cilt, 21.Kısım, Dış Genital Hastalıklar ISBN 978-975-277-663-0
- 9- Pediatri, Murat Yurdakök, 1.Baskı, 4.Cilt, 22.Kısım, 4.Bölüm, 15.Madde Tiroid Nodülleri ve Tiroid Kanseri ISBN 978-975-277-663-0
- 10- Pediatri, Murat Yurdakök, 1.Baskı, 4.Cilt, 23.Kısım, Neoplastik Hastalıklar ISBN 978-975-277-663-0
- 11- Pediatri, Murat Yurdakök, 1.Baskı, 1.Cilt, 5.Kısım, 2.Madde Akut Karın Ağrısına Yaklaşım ISBN 978-975-277-663-0

## 2017-2018 ACADEMIC YEAR

### PHASE V- CHILD AND ADOLESCENT PSYCHIATRY COURSE

#### DEFINITION

#### COURSE DURATION:

The duration of Child and Adolescent Psychiatry (CAP) Course Program is 5 working days for each Turkish and English groups.

It will be applied three times for both Turkish and English groups between 25.09.2017 – 15.05.2018.

#### EDUCATION AND TRAINING

Theoretical lessons will be given in the Yenimahalle Training and Research Hospital

/Batıkent.

Clinical training will be given in the Child and Adolescent Psychiatry Clinic of Yenimahalle Training and Research Hospital

**Director of CAP Department:** Doç.Dr.Mehmet Fatih Ceylan

**Course supervisors:** Doç.Dr.Mehmet Fatih Ceylan

Yrd.Doç.Dr. Selma Tural Hesapçioğlu

#### Instructors

Doç.Dr.Mehmet Fatih Ceylan

Yrd.Doç.Dr. Selma Tural Hesapçioğlu

#### MEASUREMENT AND EVALUATION

Students will be evaluated with three methods at the end of course

- 1) Written examination (%40)
- 2) Oral examination (%40)
- 3) Presentation of given patient (%20)

#### GOALS OF CAP COURSE

Within the framework of the learning objectives specified in the national core training program;

- 1) To provide knowledge and skills about prediagnosis/ diagnosis of common childhood psychopathologies
- 2) To educate investigator and interrogator physicians that applies a holistic approach to the patient within the ethical rules of the profession and empathise with the patients

## LEARNING OBJECTIVES

At the end of CAP Course, fifth year medical students will be able to

- 1) Take child's oriented history from patient and his/her parents
- 2) Evaluate mental health of the child
- 3) Know clinical characteristics of childhood psychiatric disorders, make a prediagnosis or diagnosis of most common childhood psychopathologies, inform the parents at the primary care level
- 4) Learn about therapeutic agents that used in CAP specialty
- 5) Establish a healthy communication with children and parents
- 6) Establish a healthy communication wiht other health professionals
- 1) Establish a proper communication with trainers
- 2) Understand the importance of establishing a good patient-physician and physician-physician communication.

## DEPARTMENT OF CHILD AND ADOLESCENT PSYCHIATRY COURSE PROGRAM

Disease- symptom	Learning level	Systems	Instructors
Mental health examination in Child and Adolescent Psychiatry	T	Multisystem	Yrd.Doç.Dr.Selma Tural Hesapçioğlu
Attention Deficite and Hyperactivity Disorder	ÖnT	Neural-Behavioral	Doç.Dr. Mehmet Fatih Ceylan
Conduct Disorder	ÖnT	Neural-Behavioral	Doç.Dr. Mehmet Fatih Ceylan
Oppositional Defiant Disorder	ÖnT	Neural-Behavioral	Doç.Dr. Mehmet Fatih Ceylan
Communication Disorders	T	Neural-Behavioral	Yrd.Doç.Dr.Selma Tural Hesapçioğlu
Autism Spectrum Disorders	ÖnT	Neural-Behavioral	Yrd.Doç.Dr.Selma Tural Hesapçioğlu
Bipolar Disorder	T-A	Neural-Behavioral	Doç.Dr. Mehmet Fatih Ceylan
Generalized Anxiety Disorders	ÖnT	Neural-Behavioral	Doç.Dr. Mehmet Fatih Ceylan
Panic Disorder	T-A	Neural-Behavioral	Doç.Dr. Mehmet Fatih Ceylan
Learning Disorders	ÖnT	Neural-Behavioral	Yrd.Doç.Dr.Selma Tural Hesapçioğlu
Elimination Disorders	ÖnT	Multisystem	Yrd.Doç.Dr.Selma Tural Hesapçioğlu
Post Traumatic Stres Disorder, Reactive Attachment Disorder	T-A	Neural-Behavioral	Doç.Dr. Mehmet Fatih Ceylan
Child abuse and neglect	ÖnT-K-İ	Multisystem	Yrd.Doç.Dr.Selma Tural Hesapçioğlu
Tic Disorders	T-İ	Sinir-Davranış	Doç.Dr. Mehmet Fatih Ceylan

## COURSE PROGRAM

<b>1. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>ISSUE</b>	<b>INSTRUCTOR</b>
<b>8.30-10.00</b>	Clinic- İnpatient service visit	History taking in Child and Adolescent Psychiatry, mental status evaluation	Doç.Dr. Mehmet Fatih Ceylan Yrd.Doç.Dr.Selma Tural Hesapçioğlu
<b>10.00 - 10.50</b>	Theoretical lesson	Psychiatric evaluation of children and adolescents	Yrd.Doç.Dr.Selma Tural Hesapçioğlu
<b>11.00 - 11.50</b>	Theoretical lesson	Attention Deficit and Hyperactivity Disorder	Doç.Dr. Mehmet Fatih Ceylan
<b>LUNCH</b>			
<b>13.30 - 14.20</b>	Theoretical lesson	Conduct Disorder- Oppositional Defiant Disorder	Doç.Dr. Mehmet Fatih Ceylan
<b>14.30 - 15.20</b>	Theoretical lesson	Communication Disorders	Yrd.Doç.Dr.Selma Tural Hesapçioğlu
<b>15.30 - 16.20</b>	Clinic - Outpatient- inpatient clinics	History taking in Child and Adolescent Psychiatry, mental status evaluation	Doç.Dr. Mehmet Fatih Ceylan Yrd.Doç.Dr.Selma Tural Hesapçioğlu

<b>2. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>ISSUE</b>	<b>INSTRUCTOR</b>
<b>08.30 - 10.00</b>	Clinic- İnpatient service visit	Psychopathologies in child and adolescent psychiatry	Doç.Dr. Mehmet Fatih Ceylan Yrd.Doç.Dr.Selma Tural Hesapçioğlu
<b>10.00-10.50</b>	Theoretical lesson	Autism Spectrum Disorders	Yrd.Doç.Dr.Selma Tural Hesapçioğlu
<b>11.00- 11.50</b>	Theoretical lesson	Bipolar Disorder	Doç.Dr. Mehmet Fatih Ceylan
<b>LUNCH</b>			
<b>13.30 - 14.20</b>	Theoretical lesson	Generalized Anxiety Disorder, Panic Disorder,	Doç.Dr. Mehmet Fatih Ceylan
<b>14.30 - 15.20</b>	Theoretical lesson	Learning Disorders	Yrd.Doç.Dr.Selma Tural Hesapçioğlu
<b>15.30 - 16.20</b>	Clinic - Outpatient- inpatient clinics	History taking in Child and Adolescent Psychiatry, mental status evaluation	Doç.Dr. Mehmet Fatih Ceylan Yrd.Doç.Dr.Selma Tural Hesapçioğlu

<b>3. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>ISSUE</b>	<b>INSTRUCTOR</b>
<b>08.30 - 10.00</b>	Clinic- İnpatient service visit	Psychopathologies in child and adolescent psychiatry	Doç.Dr. Mehmet Fatih Ceylan Yrd.Doç.Dr.Selma Tural Hesapçioğlu
<b>10.00 - 10.50</b>	Theoretical lesson	Elimination Disorders	Yrd.Doç.Dr.Selma Tural Hesapçioğlu
<b>11.00 - 11.50</b>	Theoretical lesson	Post Traumatic Stres Disorder, Reactive Attachment Disorder	Doç.Dr. Mehmet Fatih Ceylan
<b>ÖĞLE TATİLİ</b>			
<b>13.30 - 14.20</b>	Theoretical lesson	Child Abuse and Neglect	Yrd.Doç.Dr.Selma Tural Hesapçioğlu

14.30 - 15.20	Theoretical lesson	Tic Disorders	Doç.Dr. Mehmet Fatih Ceylan
15.30 - 16.20	Clinic - Outpatient-inpatient clinics	History taking in Child and Adolescent Psychiatry, mental status evaluation	Doç.Dr. Mehmet Fatih Ceylan Yrd.Doç.Dr.Selma Tural Hesapçioğlu

4. DAY			
TIME	ACTIVITY	ISSUE	INSTRUCTOR
08.30 - 10.00	Pratik uygulama-Servis viziti	Psychopathologies in child and adolescent psychiatry	Doç.Dr. Mehmet Fatih Ceylan Yrd.Doç.Dr.Selma Tural Hesapçioğlu
10.00-12.00	Clinics	Preparing the given patient for oral examination	Doç.Dr. Mehmet Fatih Ceylan Yrd.Doç.Dr.Selma Tural Hesapçioğlu
<b>LUNCH</b>			
13.30 - 14.20	Clinics	Psychopathologies in child and adolescent psychiatry	Doç.Dr. Mehmet Fatih Ceylan Yrd.Doç.Dr.Selma Tural Hesapçioğlu
14.30 - 15.20	Clinics	Psychopathologies in child and adolescent psychiatry	Doç.Dr. Mehmet Fatih Ceylan Yrd.Doç.Dr.Selma Tural Hesapçioğlu
15.30 - 16.20	Clinics	Psychopathologies in child and adolescent psychiatry	Doç.Dr. Mehmet Fatih Ceylan Yrd.Doç.Dr.Selma Tural Hesapçioğlu

5. DAY			
TIME	ACTIVITY	ISSUE	INSTRUCTOR
08.30 - 09.30	WRITTEN EXAMINATION		
09.30 - 10.30	Presenting the examination patient		<b>All Instructors</b>
10.30 - 11.00	Oral examination		
11.00 - 12.00			
<b>LUNCH</b>			
13.30 - 14.20			
14.30 - 15.20			
15.30 - 16.20			

#### RECOMMENDED REFERENCES

1. Çocuk ve Ergen Ruh Sağlığı ve Hastalıkları (Çocuk ve Genç Psikiyatrisi Derneği)
2. DSM-5 Ruhsal bozuklukların tanıs ve sayımsal el kitabı
3. Lewis's child and adolescent psychiatry
4. Rutter's child and adolescent psychiatry
5. Temel Ruh Sağlığı (Prof. Dr.Orhan Öztürk)

## 2017 - 2018 ACADEMIC YEAR

### PHASE V – Dermatology and Venereology Fifth Year Program

#### INTRODUCTION

##### Period for Training

15 Working days

Training program will be held 5 times during the autumn period

##### Location for Training

Theoretical lessons will be in the Bilkent Health Science building of Yildirim Beyazit University

Practical lessons will be in the Ankara Ataturk Research and Education

Hospital building Dermatology and Venereology Department

##### Head of Department

Akın AKTAŞ, MD, Prof.

##### Training Instructors

Göknur KALKAN, MD, Assoc. Prof.

Başak YALÇIN, MD, Prof.

##### Trainers

Akın AKTAŞ, MD, Prof.

Ahmet METİN, MD, Prof.

Başak YALÇIN, MD, Prof.

Selma EMRE, MD, Assoc. Prof.

Göknur KALKAN, MD, Assoc. Prof.

#### QUANTIFICATION & ASSESSMENT

The students will be assessed by two methods at the end of internship program:

1. Written examination: Examination includes multiple-choice, open-ended, true – false and complementary questions. This is to measure students' level of knowledge. The rule is that students should get at least 50 points from the written exam in order to take the oral examination.
2. Oral examination: A grand jury including two or three jurors will test students' ability to take medical history, perform physical exam, make differential diagnosis and organize treatment.

The contribution to the overall score for each exam is 50%, 50% respectively. The overall scores are calculated from the points of the written and oral exams according to the previously rule of students achieving at least 50 points from written exam. Finally, the status of success or failure for each student will be decided.

### **OBJECTIVES OF INTERNSHIP PROGRAM**

1-Gaining the information and ability for diagnosing common and emergent skin diseases and treating this patient as first step considering National Core Training Program.

2-Providing students for investigation and applying profession in ethical standarts, providing emphaty ability.

### **THE OBJECTIVES of INTERNSHIP AT DERMATOLOGY AND VENEREOLOGY**

- 1) The aim is to gain knowledge and skills to make decision about prediagnosis or diagnosis for common and emergent skin diseases and treating these patients as first step level by considering the education objectives of National Core Curriculum.
- 2) The aim is to raise doctors who are able to provide quality investigation and inquiries, make professional decisions according to ethical rules, manage patient and his/her family in a holistic approach, and can empathize.

### **LEARNING OBJECTIVES**

**At the end of internship in Dermatology and Venereology, phase V students will be able to**

1. Know the normal structure and the function of the skin and skin appendages
2. Learn the approach to the patient that has dermatological complaints
3. Take detailed and safe dermatological anamnesis
4. Describe the observed skin and mucosa lesion
5. Make differential diagnosis by commenting anamnesis, physical examination and laboratory tests
6. Know the diagnosis and treatment of the common diseases in the general community
7. Identify the dermatological emergent diseases and make first step-therapy and refer the patient in suitable circumstances
8. Know the skin findings of the systemic diseases and refer to the expert
9. Know the diagnosis, follow-up and protection methods of the common venereal diseases

## DERMATOLOGY AND VENEREOLOGY DEPARTMENT INTERNSHIP PROGRAMME

<b>Disease - Status - Symptom</b>	<b>Level of Knowledge</b>	<b>System(s)</b>	<b>Trainers</b>
Skin : Anatomia and physiology	D	Skin	Ahmet METİN , MD, Prof.
Skin Examination	D	Skin	Ahmet METİN, MD, Prof.
Dermatological treatment	DT	Skin	Ahmet METİN, MD, Prof.
Autoimmune Bullous disorders ( 2 hours )	PreD	Skin	Başak YALÇIN, MD, Prof.
Nail Disorders	PreD	Skin	Selma EMRE, MD, Assoc Prof.
Papulosquamous disorders ( 2 hours)	D	Skin	Selma EMRE, MD, Assoc. Prof.
Behcet's disease and RAS ( 2 hours)	PreD	Skin	Göknur KALKAN, MD, Assoc. Prof.
Bacterial skin infections ( 2 hours)	DT	Skin	Göknur KALKAN, MD, Assoc. Prof.
Mycobacterial infections ( 2 hours)	PreD	Skin	Başak YALÇIN, MD, Prof.
Pigmentation Disorders	PreD	Skin	Ahmet METİN, MD, Prof.
Eczema ( 2 hours)	DT-F	Skin	Akın AKTAŞ, MD, Prof.
Urticaria and angioedema ( 2 hours)	DT-E	Skin	Ahmet METİN, MD, Prof.
Reactive Dermatoses ( 2 hours)	D	Skin	Selma EMRE, MD, Assoc. Prof.
Acne and Rosacea	DT	Skin	Selma EMRE, MD, Assoc Prof.
Viral infections ( 2 hours)	DT-F	Skin	Başak YALÇIN, MD, Prof.
Venereal diseases ( 2 hours)	DT-P	Skin	Akın AKTAŞ, MD, Prof.
Superficial fungal infections ( 2 hours)	DT	Skin	Akın AKTAŞ, MD, Assoc. Prof.
Malign skin tumors	PreD	Skin	Başak YALÇIN, MD, Prof.
Mycosis Fungoides	PreD	Skin	Selma EMRE, MD, Assoc Prof.
Hair disorders	PreD	Skin	Selma EMRE, MD, Assoc Prof.
Ultraviolet light and skin	PreD	Skin	Akın AKTAŞ, MD, Prof.
Parasitic infections ( 2 hours)	DT-P	Skin	Göknur KALKAN, MD, Assoc. Prof.

## INTERNSHIP PROGRAMME

<b>1. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			
13.30 - 14.20	Lecture	Skin : Anatomia and physiology	Ahmet METİN, MD, Prof.
14.30 - 15.20	Lecture	Skin examination	Ahmet METİN, MD, Prof.
15.30 - 16.20	Lecture	Dermatological treatment 1	Ahmet METİN, MD, Prof.

<b>2. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			
13.30 - 14.20	Lecture	Papulosquamous disorders 1	Selma EMRE, MD, Assoc. Prof.
14.30 - 15.20	Lecture	Papulosquamous disorders 2	Selma EMRE, MD, Assoc. Prof.
15.30 - 16.20	Lecture	Nail Disorders	Selma EMRE, MD, Assoc. Prof.

<b>3. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			
13.30 - 14.20	Lecture	Autoimmune Bullous disorders 1	Başak YALÇIN, MD, Prof.
14.30 - 15.20	Lecture	Autoimmune Bullous disorders 2	Başak YALÇIN, MD, Prof.

<b>4. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			
13.30 - 14.20	Lecture	Behcet's disease and RAS 1	Göknur KALKAN, MD, Assoc. Prof.
14.30 - 15.20	Lecture	Behcet's disease and RAS 2	Göknur KALKAN, MD, Assoc. Prof.

<b>5. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			
13.30 - 14.20	Lecture	Eczema1	Akın AKTAŞ, MD, Prof.
14.30 - 15.20	Lecture	Eczema 2	Akın AKTAŞ, MD, Prof.

<b>6. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			
13.30 - 14.20	Lecture	Mycobacterial infections 1	Başak YALÇIN, MD, Prof.
14.30 - 15.20	Lecture	Mycobacterial infections 2	Başak YALÇIN, MD, Prof.
15.30 - 16.20	Lecture	Malign skin tumors	Başak YALÇIN, MD, Prof.

<b>7. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			
13.30 - 14.20	Lecture	Dermatological treatment 2	Ahmet METİN, MD, Prof.
14.30 - 15.20	Lecture	Urticaria and angioedema 1	Ahmet METİN, MD, Prof.
15.30 - 16.20	Lecture	Urticaria and angioedema 2	Ahmet METİN, MD, Prof.

<b>8. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			
13.30 - 14.20	Lecture	Bacterial skin infections 1	Göknur KALKAN, MD, Assoc. Prof.
14.30 - 15.20	Lecture	Bacterial skin infections 2	Göknur KALKAN, MD, Assoc. Prof.
15.30 - 16.20	Lecture	Ultraviolet light and skin	Akın AKTAŞ, MD, Prof.

<b>9. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			
13.30 - 14.20	Lecture	Venereal diseases 1	Akın AKTAŞ, MD, Prof.
14.30 - 15.20	Lecture	Venereal diseases 2	Akın AKTAŞ, MD, Prof.

<b>10. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			
13.30 - 14.20	Lecture	Reactive Dermatoses1	Selma EMRE, MD, Assoc. Prof.
14.30 - 15.20	Lecture	Reactive Dermatoses 2	Selma EMRE, MD, Assoc. Prof.
15.30 - 16.20	Lecture	Acne and Rosacea	Selma EMRE, MD, Assoc. Prof.

<b>11. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			
13.30 - 14.20	Lecture	Superficial fungal infections 1	Akın AKTAŞ, MD, Prof.
14.30 - 15.20	Lecture	Superficial fungal infections 2	Akın AKTAŞ, MD, Prof.
15.30 - 16.20	Lecture	Hair disorders	Göknur KALKAN, MD, Assoc. Prof.

<b>12. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			
13.30 - 14.20	Lecture	Viral infections 1	Başak YALÇIN, MD, Prof.
14.30 - 15.20	Lecture	Viral infections 2	Başak YALÇIN, MD, Prof.
15.30 - 16.20	Lecture	Pigmentation disorders	Ahmet METİN, MD, Prof.

<b>13. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			
13.30 - 14.20	Lecture	Parasitic infections 1	Göknur KALKAN, MD, Assoc. Prof.
14.30 - 15.20	Lecture	Parasitic infections 2	Göknur KALKAN, MD, Assoc. Prof.
15.30 - 16.20	Lecture	Mycosis Fungoides	Selma EMRE, MD, Assoc. Prof.

<b>14. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30			
09.30 - 10.30	<b>WRITTEN EXAM</b>		<b>ALL ACADEMIC STUFF</b>
10.30 - 11.00			
11.00 - 12.00			
<b>LUNCH BREAK</b>			
13.30 - 14.20			
14.30 - 15.20			
15.30 - 16.20			

<b>15. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30			
09.30 - 10.30	<b>ORAL EXAM</b>		<b>ALL ACADEMIC STUFF</b>
10.30 - 11.00			
11.00 - 12.00			
<b>LUNCH BREAK</b>			
13.30 - 14.20			
14.30 - 15.20			
15.30 - 16.20			

## **RECOMMENDED BOOKS**

1. Andrews' Diseases of the Skin: Clinical Dermatology, 12edition
2. Braun-Falco's Dermatology
3. Fitzpatrick's Dermatology in General Medicine, Eighth Edition, 2 Volume set 8th Edt.
4. Bologna, Dermatology: 2-Volume Set, 3rd Edition.( Türkçe çevirisi de var)
5. Dermatoloji. Yazarlar : Prof.Dr. Yalçın Tüzün, Prof.Dr. Server Serdaroğlu, Prof.Dr. Varol L. Aksungur, Prof.Dr. Mehmet Ali Gürer, Prof.Dr. Oya oğuz
6. Dermatoloji Atlası. Can Baykal
7. Dermatolojide Algoritmik Tanı – Varol L. Aksungur, Erkan Alpsoy, Can Baykal, Soner Uzun
8. <http://emedicine.medscape.com/dermatology>

## **2017 - 2018 ACADEMIC YEAR**

### **PHASE V**

#### **Infectious Diseases and Clinical Microbiology Fifth Year Program**

##### **INTRODUCTION**

##### **Period for Training**

15 Working days

Training program will be held 6 times during the autumn period

##### **Location for Training**

Theoretical lessons will be in the Bilkent Health Science building of Yildirim Beyazit University

Practical lessons will be in the Ankara Ataturk Research and Education

Hospital building Infectious Diseases and Clinical Microbiology Department

##### **Head of Department**

Mehmet A. TAŞYARAN, MD, EP, Prof.

##### **Training Instructors**

Rahmet GÜNER, MD, EP, Prof.

Bircan KAYAASLAN, MD, EP, Assist. Prof.

##### **Trainers**

Mehmet A. TAŞYARAN, MD, EP, Prof.

Rahmet GÜNER, MD, EP, Prof.

Turan BUZĞAN, MD, EP, Prof.

Zeliha KOÇAK TUFAN, MD, EP, Assoc. Prof.

Bircan KAYAASLAN, MD, EP, Assist. Prof.

## **QUANTIFICATION & ASSESSMENT**

The students will be assessed by two methods at the end of internship program:

3. **Written examination:** Examination includes multiple-choice, open-ended, true – false and complementary questions. This is to measure students' level of knowledge. The rule is that students should get at least 60 points from the written exam in order to take the oral examination. Otherwise, students are accepted as having failed the Infectious Diseases and Clinical Microbiology 5<sup>th</sup> year program.
4. **Oral examination:** A grand jury including two or three jurors will test students' ability to take anamnesis, perform physical exam, make differential diagnosis and organize treatment.

The contribution to the overall score for oral and written examination are 60%, 40% respectively. The overall scores are calculated from the points of the written and oral exams according to the previously rule of students achieving at least 60 points from written exam. Finally, the status of success or failure for each student will be decided.

## **THE OBJECTIVES of FIFTH YEAR PROGRAM at INFECTIOUS DISEASES AND CLINICAL MICROBIOLOGY**

- 3) Gaining the knowledge and skills to make decision about prediagnosis or diagnosis for common and emergent infectious diseases and treating and/or performing emergency interventions of these diseases at the primary care level based on the learning objectives of National Core Curriculum.
- 4) Providing students to gain the ability of quality investigation and inquiries, making professional decisions according to ethical rules, managing patient and his/her family in a holistic approach, and empathizing with them.

## **LEARNING OBJECTIVES**

**At the end of internship in Infectious Diseases and Clinical Microbiology, students will have the ability to**

1. Take medical history from patient and his/her relatives.
2. Evaluate general status of patients.
3. Measure vital signs of patients and evaluate results.
4. Perform physical exams focused on complaints.
5. Record and present anamnesis and findings of physical exam.

6. Decide basic laboratory (complete blood count, urinary test, biochemical parameters, ECG) and radiological tests according to results of anamnesis and physical exam, interpret the result of tests, make diagnosis of the lethal diseases that need urgent procedures and manage patient at the setting of Infectious Diseases and Clinical Microbiology department.
7. Identify the emergent infectious disease that are in need of urgent treatment and support airway, breathing and circulation status for critical patients, and decide about transporting him/her to other facilities for further treatment.
8. Communicate healthily with patient and patients' relatives.
9. Communicate healthily with other health professionals
10. Communicate with his/her trainers in respectful manner.
11. Recognize the importance of effective communication between patient and physician, physician and physician

## INFECTIOUS DISEASES AND CLINICAL MICROBIOLOGY DEPARTMENT

### FIFTH YEAR PROGRAMME

<b>Disease – Status – Symptom</b>	<b>Level of Knowledge</b>	<b>System(s)</b>	<b>Trainers</b>
Anamnesis and physical examination in Infectious Diseases	D	Multi - system	Mehmet A. TAŞYARAN, MD, EP, Prof.
Clinical antibiotic use and resistance	DT-F-P	Multi - system	Zeliha KOÇAK TUFAN, MD, EP, Assoc. Prof., Bircan KAYAASLAN, MD, EP, Assist. Prof.
Principles of rational antibiotic use	DT-F-P	Multi - system	Zeliha KOÇAK TUFAN, MD, EP, Assoc. Prof., Turan BUZĞAN, MD, EP, Prof.
Approach to febrile patients (acute, subacute, and fever of unknown origin)	DT-F-P	Multi - system	Zeliha KOÇAK TUFAN, MD, EP, Assoc. Prof., Rahmet GÜNER, MD, EP, Prof.
Sepsis (2 hours)	T-E	Multi - system	Zeliha KOÇAK TUFAN, MD, EP, Assoc. Prof., Rahmet GÜNER, MD, EP, Prof.
Infectious diseases with skin rashes	DT-P	Multi - system	Mehmet A. TAŞYARAN, MD, EP, Prof.
Upper respiratory tract infections	DT-P	Respiratory	Turan BUZĞAN, MD, EP, Prof.

Lower respiratory tract infections	DT-P	Respiratory	Turan BUZĞAN, MD, EP, Prof.
Cholera and dysentery	DT-E-P	Gastro-intestinal	Mehmet A. TAŞYARAN, MD, EP, Prof.
Salmonella infections	DT-P	Multi - system	Mehmet A. TAŞYARAN, MD, EP, Prof
Food poisoning	DT-E-P	Gastro-intestinal	Mehmet A. TAŞYARAN, MD, EP, Prof.
Gastrointestinal parasites and hydatid cyst	DT-E-P	Gastro-intestinal	Mehmet A. TAŞYARAN, MD, EP, Prof.
Other infectious diarrhea	DT-P	Gastro-intestinal	Turan BUZĞAN, MD, EP, Prof.
Acute viral hepatitis	D-P	Gastro-intestinal	Rahmet GÜNER, MD, EP, Prof.
Chronic viral hepatitis	PreD	Gastro-intestinal	Rahmet GÜNER, MD, EP, Prof.
Infective endocarditis	PreD-P	Cardiovascular	Bircan KAYAASLAN, MD, EP, Assist. Prof.
Sexually transmitted infections	DT-P	Genitourinary	Bircan KAYAASLAN, MD, EP, Assist. Prof.
HIV infection and AIDS	PreD-P	Multi - system	Bircan KAYAASLAN, MD, EP, Assist. Prof.
Urinary tract infections	DT-P	Genitourinary	Rahmet GÜNER, MD, EP, Prof.
Osteomyelitis, septic arthritis	PreD	Musculoskeletal	Bircan KAYAASLAN, MD, EP, Assist. Prof.
Central nervous system infections (2 hours)	E	Nervous - Behavior	Zeliha KOÇAK TUFAN, MD, EP, Assoc. Prof., Rahmet GÜNER, MD, EP, Prof.
Skin and soft tissue infections	DT-P	Skin and soft tissue	Mehmet A. TAŞYARAN, MD, EP, Prof.
Anthrax	DT-P	Skin and soft tissue	Mehmet A. TAŞYARAN, MD, EP, Prof.
Immunization in adults	P	Multi - system	Bircan KAYAASLAN, MD, EP, Assist. Prof.
Hospital infections and prevention	P	Multi - system	Rahmet GÜNER, MD, EP, Prof.
Sterilization, Disinfection, Cleaning and Health Care Workers' health	P	Multi - system	Rahmet GÜNER, MD, EP, Prof.

Rabies	PreD-P	Multi - system	Turan BUZĞAN, MD, EP, Prof.
Brucellosis	DT-P	Multi - system	Turan BUZĞAN, MD, EP, Prof.
Malaria	D-P	Multi - system	Turan BUZĞAN, MD, EP, Prof.
Tetanus	D-E-P	Multi - system	Turan BUZĞAN, MD, EP, Prof.
Leptospirosis	PreD-E-P	Multi - system	Rahmet GÜNER, MD, EP, Prof.
Crimean-Congo Hemorrhagic Fever and Hantavirus infections	PreD-E-P	Multi - system	Rahmet GÜNER, MD, EP, Prof.
Travelers' health	PreD-P	Multi - system	Zeliha KOÇAK TUFAN, MD, EP, Assoc. Prof., Turan BUZĞAN, MD, EP, Prof.

## INFECTIOUS DISEASES AND CLINICAL MICROBIOLOGY DEPARTMENT

### FIFTH YEAR PROGRAMME

<b>1. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
<b>08.30 - 09.30</b>	Practice		Turan BUZĞAN, MD, EP, Prof.
<b>09.30 - 10.30</b>	Practice		
<b>10.30 - 11.30</b>	Practice		
<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	Lecture	Anamnesis and physical examination in Infectious Diseases	Mehmet A. TAŞYARAN, MD, EP, Prof.
<b>14.30 - 15.20</b>	Lecture	Cholera and dysentery	Mehmet A. TAŞYARAN, MD, EP, Prof.
<b>15.30 - 16.20</b>	Lecture	Food poisoning	Mehmet A. TAŞYARAN, MD, EP, Prof.

<b>2. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
<b>08.30 - 09.30</b>	Practice		Mehmet A. TAŞYARAN, MD, EP, Prof.
<b>09.30 - 10.30</b>	Practice		
<b>10.30 - 11.30</b>	Practice		
<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	Lecture	Upper respiratory tract infections	Turan BUZĞAN, MD, EP, Prof.

14.30 - 15.20	Lecture	Lower respiratory tract infections	Turan BUZĞAN, MD, EP, Prof.
15.30 - 16.20	Lecture	Tetanus	Turan BUZĞAN, MD, EP, Prof.

<b>3. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		Bircan KAYAASLAN, MD, EP, Assist. Prof.
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			
13.30 - 14.20	Lecture	Approach to febrile patients (acute, subacute, and fever of unknown origin)	Zeliha KOÇAK TUFAN, MD, EP, Assoc. Prof., Rahmet GÜNER, MD, EP, Prof.
14.30 - 15.20	Lecture	Acute viral hepatitis	Rahmet GÜNER, MD, EP, Prof.
15.30 - 16.20	Lecture	Chronic viral hepatitis	Rahmet GÜNER, MD, EP, Prof.

<b>4. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		Rahmet GÜNER, MD, EP, Prof.
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			
13.30 - 14.20	Lecture	Skin and soft tissue infections	Bircan KAYAASLAN, MD, EP, Assist. Prof.
14.30 - 15.20	Lecture	Infective endocarditis	Bircan KAYAASLAN, MD, EP, Assist. Prof.
15.30 - 16.20	Lecture	Osteomyelitis, septic arthritis	Bircan KAYAASLAN, MD, EP, Assist. Prof.

<b>5. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		Mehmet A. TAŞYARAN, MD, EP, Prof.
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			

13.30 - 14.20	Lecture	Sepsis (2 hours)	Zeliha KOÇAK TUFAN, MD, EP, Assoc. Prof. , Rahmet GÜNER, MD, EP, Prof.
14.30 - 15.20	Lecture	Leptospirosis	Rahmet GÜNER, MD, EP, Prof.
15.30 - 16.20	Lecture		

<b>6. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		Turan BUZĞAN, MD, EP, Prof.
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			
13.30 - 14.20	Lecture	Salmonella infections	Mehmet A. TAŞYARAN, MD, EP, Prof.
14.30 - 15.20	Lecture	Gastrointestinal parasites and hydatid cyst	Mehmet A. TAŞYARAN, MD, EP, Prof.
15.30 - 16.20	Lecture	Other infectious diarrhea	Mehmet A. TAŞYARAN, MD, EP, Prof.

<b>7. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		Rahmet GÜNER, MD, EP, Prof.
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			
13.30 - 14.20	Lecture	Clinical antibiotic use and resistance	Zeliha KOÇAK TUFAN, MD, EP, Assoc. Prof., Bircan KAYAASLAN, MD, EP, Assist. Prof
14.30 - 15.20	Lecture	Principles of rational antibiotic use	Zeliha KOÇAK TUFAN, MD, EP, Assoc. Prof., Turan BUZĞAN, MD, EP, Prof.
15.30 - 16.20	Lecture	Travelers' health	Zeliha KOÇAK TUFAN, MD, EP, Assoc. Prof., Turan BUZĞAN, MD, EP, Prof.

<b>8. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		Bircan KAYAASLAN, MD, EP, Assist. Prof.
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			
13.30 - 14.20	Lecture	Hospital infections and prevention	Rahmet GÜNER, MD, EP, Prof.
14.30 - 15.20	Lecture	Sterilization, Disinfection, Cleaning and Health Care Workers' health	Rahmet GÜNER, MD, EP, Prof.
15.30 - 16.20			

<b>9. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		Mehmet A. TAŞYARAN, MD, EP, Prof.
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			
13.30 - 14.20	Lecture	Sexually transmitted infections	Bircan KAYAASLAN, MD, EP, Assist. Prof.
14.30 - 15.20	Lecture	HIV infection and AIDS	Bircan KAYAASLAN, MD, EP, Assist. Prof.
15.30 - 16.20	Lecture		

<b>10. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		Turan BUZĞAN, MD, EP, Prof.
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			
13.30 - 15.20	Lecture	Central nervous system infections (2 hours)	Zeliha KOÇAK TUFAN, MD, EP, Assoc. Prof., Rahmet GÜNER, MD, EP, Prof.
15.30 - 16.20	Lecture	Crimean-Congo Hemorrhagic Fever and Hantavirus infections	Rahmet GÜNER, MD, EP, Prof.

<b>11. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		Rahmet GÜNER, MD, EP, Prof.
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			
13.30 - 15.20	Lecture	Infectious diseases with skin rashes	Mehmet A. TAŞYARAN, MD, EP, Prof.
15.30 - 16.20	Lecture	Malaria	Turan BUZĞAN, MD, EP, Prof.

<b>12. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		Bircan KAYAASLAN, MD, EP, Assist. Prof.
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			
13.30 - 14.20	Lecture	Rabies	Turan BUZĞAN, MD, EP, Prof.
14.30 - 15.20	Lecture	Brucellosis	Turan BUZĞAN, MD, EP, Prof.
15.30 - 16.20			

<b>13. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Practice		Mehmet A. TAŞYARAN, MD, EP, Prof.
09.30 - 10.30	Practice		
10.30 - 11.30	Practice		
<b>LUNCH BREAK</b>			
13.30 - 15.20	Lecture	Urinary tract infection	Rahmet GÜNER, MD, EP, Prof.
15.30 - 16.20	Lecture	Immunization in adults	Bircan KAYAASLAN, MD, EP, Assist. Prof.

<b>14. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30			
09.30 - 10.30	<b>WRITTEN EXAM</b>		<b>ALL ACADEMIC STUFF</b>

10.30 - 11.00			
11.00 - 12.00			
<b>LUNCH BREAK</b>			
13.30 - 14.20			
14.30 - 15.20			
15.30 - 16.20			

<b>15. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30			
09.30 - 10.30	<b>ORAL EXAM</b>		<b>ALL ACADEMIC STUFF</b>
10.30 - 11.00			
11.00 - 12.00			
<b>LUNCH BREAK</b>			
13.30 - 14.20			
14.30 - 15.20			
15.30 - 16.20			

### RECOMMENDED BOOKS

- 1. Enfeksiyon Hastalıkları ve Mikrobiyolojisi,**  
Editörler: Ayşe Wilke Topçu, Güner Söyletir, Mehmet Doğanay  
Nobel Tıp Kitabevleri, 2017
- 2. Enfeksiyon Hastalıkları**  
Editörler: Prof. Dr. Halil Kurt, Prof.Dr.Sibel Gündeş, Prof. Dr. Mehmet Faruk Geyik  
Nobel Tıp Kitabevleri, 2013
- 3. Mandell, Douglas, and Bennett's Principles and Practice in Infectious Disease**  
Editors: Gerald L. Mandell, MD, John E. Bennett, MD, Raphael Dolin, MD  
Churcill Livnigstone, 2010, seventh edition
- 4. Güncel Bilgiler Işığında Antibiyotikler**  
Editörler: Prof.Dr. Hakan Leblebicioğlu, Prof.Dr.Gaye Usluer, Prof.Dr.Sercan ulusoy  
Bilimsel Tıp Yayınevi, 2008
- 5. Zoonozlar, Havanlardan İnsanlara Bulaşan Enfeksiyonlar**  
Editörler: Mehmet Doğanay, Nazmiye Altındaş
- 6. UpToDate**

## 2017-2018 ACADEMIC YEAR

### PHASE V- PHYSICAL MEDICINE AND REHABILITATION COURSE

#### DEFINITION

#### COURSE DURATION:

The duration of Physical Medicine and Rehabilitation (PMR) Course Program is 10 working days for each Turkish (3 times) and English groups (3 times).

#### EDUCATION AND TRAINING

Theoretical lessons will be given in the Basic Health Sciences Building /Bilkent Campus.

Clinical training will be given in the PMR Clinic of Ankara Atatürk Training and Research Hospital

**Director of PMR Department:** Prof.Dr.Selami Akkuş

**Course supervisors:** Prof.Dr.Nebahat Sezer

Yrd.Doç.Dr. F.Gülçin UĞURLU

#### Instructors

Prof.Dr.Selami Akkuş

Prof.Dr.Özge Ardiçoğlu

Prof.Dr.Hatice Bodur

Prof.Dr. Murat Ersöz

Prof.Dr.Gülümser Aydın

Prof.Dr. Nebahat Sezer

Prof.Dr.Lale Aktekin

Yrd.Doç.Dr.F.Gülçin Ural

#### MEASUREMENT AND EVALUATION

Students will be evaluated with two methods at the end of course

- 4) Written examination (%50)
- 5) Oral examination (%50)

## GOALS OF PMR COURSE

Within the framework of the learning objectives specified in the national core training program;

- 3) To provide knowledge and skills about prediagnosis/ diagnosis of common muskuloskeletal diseases and their treatment
- 4) To educate investigator and interrogator physicians that applies a holistic approach to the patient within the ethical rules of the profession and empathise with the patients

## LEARNING OBJECTIVES

At the end of PMR Course, fifth year medical students will be able to

- 7) Take a PMR oriented history from patient and their relatives
- 8) Evaluate general condition of patient
- 9) Measure and evaluate vital signs of patient
- 10) Perform a physical examination
- 11) Perform a muskuloskeletal system examination
- 12) Know clinical characteristics of muskuloskeletal system diseases, make a prediagnosis or diagnosis most common muskuloskeletal disorders, treat them at the primary care level
- 13) Learn about therapeutic agents that used in PMR specialty
- 14) Explain the concept of rehabilitation and disability, describe the rehabilitation team and learn about medical approach to patients with disability
- 15) Establish a healthy communication with patients and relatives
- 16) Establish a healthy communication with other health professionals
- 3) Establish a proper communication with trainers
- 4) Understand the importance of establishing a good patient-physician and physician-physician communication.

## DEPARTMENT OF PHYSICAL MEDICINE AND REHABILITATION COURSE PROGRAM

Disease- symptom/therapeutic agent	Learning level	Systems	Instructors
Neck and upper extremity pain	TT-K	Muskuloskeletal system	Prof.Dr.Lale Aktekin
Spondyloarthropathies	Ön T	Multisystem	Prof. Dr. Lale Aktekin
Low back and lower extremity pain	TT-K	Muskuloskeletal system	Yrd.Doç.Dr.F.Gülçin Ural
Therapeutic agents	1	Multisystem	Yrd.Doç.Dr.F.Gülçin Ural
Osteoarthritis	TT-İ-K	Muskuloskeletal system	Prof.Dr.Hatice Bodur
Non-steroidal antiinflamatuary drugs in rheumatic disease	TT, K	Multisystem	Prof.Dr.Gülümser Aydın
Glucocorticoids in rheumatic diseases	T,K	Multisystem	Prof.Dr.Gülümser Aydın

Rehabilitation of cerebral palsy	Ön T	Musculoskeletal and neuronal system	Yrd.Doç.Dr.F. Gülçin Ural
Rehabilitation of spinal cord injury	Ön T-K	Musculoskeletal and neuronal system	Prof.Dr.Nebahat Sezer
Rheumatoid arthritis	Ön T	Multisystem	Prof.Dr.Özge Ardıçođlu
Fibromyalgia and other soft tissue rheumatisms	T	Multisystem	Prof.Dr.Selami Akkuş
Osteoporosis	Ön T	Multisystem	Prof.Dr.Nebahat Sezer
Crystal arthropathies	Ön T	Multisystem	Prof.Dr.Murat Ersöz
Rehabilitation of stroke	Ön T-K	Musculoskeletal and neuronal system	Prof.Dr.Murat Ersöz

### COURSE PROGRAM

1. GÜN			
SAAT	ETKİNLİK	KONU	ÖĞRETİM ÜYESİ
08.30 - 09.20	Theoretical lesson	Neck and upper extremity pain	Prof.Dr.Lale Aktekin
09.30 - 10.30	Theoretical lesson	Neck and upper extremity pain	Prof. Dr.Lale Aktekin
10.30 - 11.00	Self study		
11.00 - 12.00	Self study		
ÖĞLE TATİLİ			
13.30 - 14.20	Clinic		
14.30 - 15.20	Clinic		
15.30 - 16.20	Clinic		

2. GÜN			
SAAT	ETKİNLİK	KONU	ÖĞRETİM ÜYESİ
08.30 - 09.30	Theoretical lesson	Low back and lower extremity pain	Yrd.Doç.Dr.Gülçin Ural
09.30 - 10.30	Theoretical lesson	Low back and lower extremity pain	Yrd.Doç.Dr.Gülçin Ural
10.30 - 11.00	Self study		
11.00 - 12.00	Theoretical lesson	Pyhsical agents	Yrd.Doç.Dr.Gülçin Ural
ÖĞLE TATİLİ			
13.30 - 14.20	Clinic		
14.30 - 15.20	Clinic		
15.30 - 16.20	Clinic		

3. GÜN			
SAAT	ETKİNLİK	KONU	ÖĞRETİM ÜYESİ
08.30 - 09.30	Theoretical lesson	Osteoarthritis	Prof.Dr.Hatice Bodur
09.30 - 10.30	Theoretical lesson	Osteoarthritis	Prof.Dr.Hatice Bodur
10.30 - 11.00	Theoretical lesson	Spondyloarthropaties	Prof.Dr.Lale Aktekin
11.00 - 12.00	Theoretical lesson	Spondyloarthropaties	Prof.Dr.Lale Aktekin
ÖĞLE TATİLİ			
13.30 - 14.20	Clinic		
14.30 - 15.20	Clinic		
15.30 - 16.20	Clinic		

<b>4. GÜN</b>			
<b>SAAT</b>	<b>ETKİNLİK</b>	<b>KONU</b>	<b>ÖĞRETİM ÜYESİ</b>
08.30 - 09.30	Theoretical lesson	Non-steroidal antiinflammatory drugs in rheumatic diseases	Prof.Dr.Gülümser Aydın
09.30 - 10.30	Theoretical lesson	Non-steroidal antiinflammatory drugs in rheumatic diseases	Prof.Dr.Gülümser Aydın
10.30 - 11.00	Self study		
11.00 - 12.00	Theoretical lesson	Glucocorticoids in rheumatic diseases	Prof.Dr. Gülümser Aydın
<b>ÖĞLE TATİLİ</b>			
13.30 - 14.20	Clinic		
14.30 - 15.20	Clinic		
15.30 - 16.20	Clinic		

<b>5. GÜN</b>			
<b>SAAT</b>	<b>ETKİNLİK</b>	<b>KONU</b>	<b>ÖĞRETİM ÜYESİ</b>
08.30 - 09.30	Theoretical lesson	Physical agents	Yrd.Doç.Dr.Gülçin Ural
09.30 - 10.30	Theoretical lesson	Rehabilitation of cerebral palsy	Yrd.Doç.Dr.Gülçin Ural
10.30 - 11.00	Self study		
11.00 - 12.00	Theoretical lesson	Rehabilitation of cerebral palsy	Yrd.Doç.Dr.Gülçin Ural
<b>ÖĞLE TATİLİ</b>			
13.30 - 14.20	Clinic		
14.30 - 15.20	Clinic		
15.30 - 16.20	Clinic		

<b>6. GÜN</b>			
<b>SAAT</b>	<b>ETKİNLİK</b>	<b>KONU</b>	<b>ÖĞRETİM ÜYESİ</b>
08.30 - 09.30	Theoretical lesson	Rehabilitation of spinal cord injury	Prof.Dr.Nebahat Sezer
09.30 - 10.30	Theoretical lesson	Rehabilitation of spinal cord injury	Prof.Dr.Nebahat Sezer
10.30 - 11.00	Self study		
11.00 - 12.00	Theoretical lesson	Fibromyalgia and other soft tissue rheumatisms	Prof.Dr.Selami Akkuş
<b>ÖĞLE TATİLİ</b>			
13.30 - 14.20	Clinic		
14.30 - 15.20	Clinic		
15.30 - 16.20	Clinic		

<b>7. GÜN</b>			
<b>SAAT</b>	<b>ETKİNLİK</b>	<b>KONU</b>	<b>ÖĞRETİM ÜYESİ</b>
08.30 - 09.30	Theoretical lesson	Rheumatoid arthritis	Prof.Dr.Özge Ardıçoğlu
09.30 - 10.30	Theoretical lesson	Rheumatoid arthritis	Prof.Dr.Özge Ardıçoğlu
10.30 - 11.00	Self study		
11.00 - 12.30	Theoretical lesson	Glucocorticoids in rheumatic disease	Prof.Dr.Gülümser Aydın
<b>ÖĞLE TATİLİ</b>			
13.30 - 14.20	Clinic		
14.30 - 15.20	Clinic		
15.30 - 16.20	Clinic		

8. GÜN			
SAAT	ETKİNLİK	KONU	ÖĞRETİM ÜYESİ
08.30 - 09.30	Theoretical lesson	Osteoporosis	Prof.Dr.Nebahat Sezer
09.30 - 10.30	Theoretical lesson	Osteoporosis	Prof.Dr.Nebahat Sezer
10.30 - 11.00	Self study		
11.00 - 12.00	Theoretical lesson	Crystal arthropathies	Prof.Dr.Murat Ersöz
ÖĞLE TATİLİ			
13.30 - 14.20	Clinic		
14.30 - 15.20	Clinic		
15.30 - 16.20	Clinic		

9. GÜN			
SAAT	ETKİNLİK	KONU	ÖĞRETİM ÜYESİ
08.30 - 09.30	Theoretical lesson	Crystal arthropathies	Prof.Dr.Murat Ersöz
09.30 - 10.30	Theoretical lesson	Rehabilitation of stroke	Prof.Dr.Murat Ersöz
10.30 - 11.00	Self study		
11.00 - 12.00	Theoretical lesson	Rehabilitaion of stroke	Prof.Dr.Murat Ersöz
ÖĞLE TATİLİ			
13.30 - 14.20	Self Study		
14.30 - 15.20	Self study		
15.30 - 16.20	Self Study		

10. GÜN			
SAAT	ETKİNLİK	KONU	ÖĞRETİM ÜYESİ
09.00 - 09.30	WRITTEN EXAMINATION		All instructors
09.30 - 10.30	WRITTEN EXAMINATION		All instructors
10.30 - 11.00			
11.00 - 12.00			
ÖĞLE TATİLİ			
13.30 - 14.20	ORAL EXAMINATION		All instructors
14.30 - 15.20	ORAL EXAMINATION		All instructors
15.30 - 16.20	ORAL EXAMINATION		All instructors

## RECOMMENDED BOOKS

- 1- DeLisa's Physical Medicine and Rehabilitation: Principles and practice. Walter Fontera, ed. Fifth Edition, Lippincott Williams &Wilkins, 2015.
- 2- Braddom's Physical Medicine and Rehabilitation. David X. Cifu, ed. Fifth Edition, Elsevier, 2015.
- 3- Kelley's and Firesteins Textbook of rheumatology. Gay S. Firestein, Ralph C. Budd, eds. Tenth Edition, Elsevier, 2017.
- 4- Fiziksel Tıp ve Rehabilitasyon. Mehmet Beyazova, Yeşim Gökçe Kutsal, eds. 3. Baskı, Güneş Kitabevi, 2016.
- 5- Tıbbi Rehabilitasyon. Hasan Oğuz, ed. 3. Baskı, Nobel Kitabevi, 2015.
- 6- Pain Review. Steven D. Waldman,ed. 1. Baskı, Saunders Elsevier, 2009.

## **2017-2018 EDUCATION AND TRAINING YEAR**

### **TERM V- THORACIC SURGERY PRACTISE GROUP**

#### **DESCRIPTION OF PRACTICE**

#### **PRACTISE PERIOD**

5 working days,

Program will be repeated 6 times in the year.

#### **TRAINING LOCATION**

Theoric lectures will be done in the building of medical science university of Yıldırım Beyazıt.

Pratic lectures will be done in the thoracic surgery department of Atatürk education and research hospital

**Chief of the Department:** Prof. Dr. Nurettin KARAOĞLANOĞLU

**Chief of the practise group:** Prof. Dr. Nurettin KARAOĞLANOĞLU

**Trainer:** Prof. Dr. Nurettin KARAOĞLANOĞLU

#### **EVALUATION**

Students will be evaluated by the method of pratic and oral examination at the end the period.

Students will be eveluated according to their skills of; taking the history of the patient, doing the physical examination, having idea about differential diagnosis,and editing the treatments.

According to the total note, student will be determined as sucesfully or not.

#### **AIM:**

1- Students will gain the skill of learning the most important diseases which needs immediate intervention in thoracic surgery.And will be able to diagnose or have idea about the differential diagnosis.

2- Students will have investigator and interrogator features, in applying the ethical rules of the profession. and will be doctors who can empathize with patients and their relatives approached holistically

### TARGETS OF TRAINING:

At the end of practise period all students can;

1-Evaluate the general status of the patient.

2-Make physical examination of the patient..

3-Take the medical history of patient as keeping in the mind the other differential diagnosis.

4-Request other examinations according to physical examination.

5-Have comments on Chest X ray. And can diagnose the diaseses which is urgent

6-Referre the critical patients to another health institution by ensuring the life support..

7-Make healthy relationship with the patients and their relations.

8- Make healthy relationship with the other colleagues.

### LECTURE PROGRAMME

Topics	Knowledge Stage	Subtitles	Faculty Member
Diagnostic studies in lung disease	T	-Thorasentesis -Biopsy of pleura -Biopsy of the lung -Stampling the mediastinal lesions -Radiological evaluation	Prof. Dr. Nurettin Karaođlanođlu

		<ul style="list-style-type: none"> <li>-Chest tube</li> <li>-Oscillation</li> </ul>	
Thoracic trauma	A-T	<ul style="list-style-type: none"> <li>-trauma of soft tissue</li> <li>-Kot fracture</li> <li>-Flail chest</li> <li>-Contusion</li> <li>-Respiratory failure</li> <li>-Haemothorax</li> <li>-Pneumothorax</li> <li>-Surgical Treatment</li> </ul>	Prof. Dr. Nurettin Karaođlanođlu
Pneumothorax	T-A	<ul style="list-style-type: none"> <li>-Classification of Pneumothorax</li> <li>-Clinic findings of Pneumothorax</li> <li>-Tension Pneumothorax</li> <li>-Surgical treatment methods</li> </ul>	Prof. Dr. Nurettin Karaođlanođlu
Lung Cancer and Surgery	Ön T-K	<ul style="list-style-type: none"> <li>-Epidemiology</li> <li>-Pathology</li> <li>-Symptoms</li> <li>-Methods of diagnosis</li> <li>-Differential Diagnosis</li> <li>-Treatment options</li> <li>-Surgical Methods</li> </ul>	Prof. Dr. Nurettin Karaođlanođlu
Emergencies of thoracic surgery	Ön T-K	<ul style="list-style-type: none"> <li>-Foreign bodies of respiratory tract</li> <li>- Foreign bodies of esophagial system</li> <li>-Hemoptysis</li> <li>-Massive haemothorax</li> <li>-Tension Pneumothorax</li> </ul>	Prof. Dr. Nurettin Karaođlanođlu

		-Rupture of trachea and bronchi	
Chest Wall Deformities	T-K	-Pectus excavatum -Pectus carinatum -Poland syndrome -Sternal cleft -Methods of surgical treatment	Prof. Dr. Nurettin Karaođlanođlu
Surgical Approach for Esophagus Disease(Esophageal neoplasms/	Ön T-K	-Diagnostic Methods - Esophageal diverticula - Esophageal Motility Disorders -Surgical Treatment	Prof. Dr. Nurettin Karaođlanođlu

## Programme

<b>1st DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>Faculty Member</b>
09.00 - 09.45	Lecture	introduction	Prof. Dr. Nurettin Karaođlanođlu
10.00 - 10.45	Lecture	Diagnostic studies in lung disease	Prof. Dr. Nurettin Karaođlanođlu
11.00 - 11.45	Lecture	Thoracic trauma	Prof. Dr. Nurettin Karaođlanođlu
ÖĐLE TATILI			
13.30 - 14.15	Practice	Visit	Prof. Dr. Nurettin Karaođlanođlu
14.30 - 15.15	Practice		
15.30 - 16.00	Practice		

<b>2nd DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>Faculty Member</b>
09.00 - 09.45	Lecture	Lung Cancer and Surgery	Prof. Dr. Nurettin Karaođlanođlu
10.00 - 10.45	Lecture	Lung Cancer and Surgery	Prof. Dr. Nurettin Karaođlanođlu
11.00 - 11.45	Lecture	Pneumothorax	Prof. Dr. Nurettin Karaođlanođlu
ÖĐLE TATILI			
13.30 - 14.15	Practice	Visit	Prof. Dr. Nurettin Karaođlanođlu
14.30 - 15.15	Practice	Observation in local interventions	Prof. Dr. Nurettin Karaođlanođlu
15.30 - 16.00	Practice		

<b>3rd DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>Faculty Member</b>
09.00 - 09.45	Practice	Visit	Prof. Dr. Nurettin Karaođlanođlu
10.00 - 10.45	Practice	Observation in operating room group 1	Prof. Dr. Nurettin Karaođlanođlu
11.00 - 11.45	Practice	Observation in operating room group 1	Prof. Dr. Nurettin Karaođlanođlu
ÖĐLE TATILI			
13.30 - 14.15	Lecture	Emergencies of thoracic surgery	Prof. Dr. Nurettin Karaođlanođlu
14.30 - 15.15	Lecture	Chest Wall Deformities	Prof. Dr. Nurettin Karaođlanođlu
15.30 - 16.00	Practice	Radiological evaluation	Prof. Dr. Nurettin Karaođlanođlu

<b>4th DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>Faculty Member</b>
09.00 - 09.45	Lecture	Surgical Approach for Esophagus Diseases	Prof. Dr. Nurettin Karaođlanođlu
10.00 - 10.45	Lecture	Esophageal neoplasms	Prof. Dr. Nurettin Karaođlanođlu
11.00 - 11.45	Practice	Chest X ray Evaluation	Prof. Dr. Nurettin Karaođlanođlu
ÖĐLE TATİLİ			
13.30 - 14.15	Practice	Visit	Prof. Dr. Nurettin Karaođlanođlu
14.30 - 15.15	Practice	Taking the history of patient	Prof. Dr. Nurettin Karaođlanođlu
15.30 - 16.00	Practice	Physical examination	Prof. Dr. Nurettin Karaođlanođlu

<b>5th DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>Faculty Member</b>
09.00 - 09.45	Practical and oral examination group 1		Prof. Dr. Nurettin Karaođlanođlu
10.00 - 10.45	Practical and oral examination group 2		Prof. Dr. Nurettin Karaođlanođlu
11.00 - 11.45	Practical and oral examination group 3		Prof. Dr. Nurettin Karaođlanođlu

## RECOMMENDED BOOKS

### 1. GÖĐÜS CERRAHİSİ KIRMIZI KİTAP

Yayım Tarihi 3/2015

Yazar Prof. Dr. Mustafa Yüksel, Prof. Dr. Akın Araslan Balcı

Yayınevi Nobel Tıp Kitabevleri

### 2. GÖĐÜS CERRAHİSİ STAJYER KİTABI

Yayım Tarihi Mayıs 2012

Yazar Prof.Dr.Ali Özdölger

Türk toraks Derneği Toraks Kitapları

**3. ERİŞKİN GÖĞÜS CERRAHİSİ**

**DAVID J. SUGARBAKER**

Yayın Tarihi 2011

Çeviri editörü Prof.Dr. Mustafa Yüksel

Nobel Tıp Kitabevleri

**4. GÖĞÜS CERRAHİSİ**

**TÜRK GÖĞÜS CERRAHİSİ DERNEĞİ**

Yayın Tarihi 2013

Editörler Okten, Kavukcu, Turna, Eroğlu, Cangır

İstanbul Medikal Yayıncılık

**5. GENERAL THORACIC SURGERY (SHIELDS)**

**Yayın tarihi 2009**

**Yazar** Thomas W. Shields, Joseph Locicero, Carolyn E. Reed

**6. GÖĞÜS RADYOLOJİSİNİN ESASLARI**

Yayın Tarihi 2009

Yazar Loren H. Ketai

Çeviri Canan Akman

İstanbul Tıp Kitabevleri

## 2017-2018 ACADEMIC YEAR

### TERM V – OPHTHALMOLOGY INTERNSHIP PROGRAM

#### DESCREPTION OF INTERNSHIP

#### TRAINING TIME

10 work days,

Turkish and English program will be applied 3 times for internship program.

#### TRAINING LOCATION:

Internship theoretical lessons will be given at Bilkent University Health Sciences building.

Internship practical lessons will be given at Ankara Ataturk Training and Research Hospital Ophthalmology Department service and in polyclinic department.

**Head of Department:** Assoc. Prof. Dr. Nurullah ÇAĞIL

**Training Instructors:** Prof. Dr. Fatma Yülek

Asist. Prof. Dr. Pınar Nalçacıoğlu

#### INSTRUCTORS

Professor Dr. Mehmet Akif ACAR

Professor Dr. Fatma Yülek

Associate Professor Dr. Nurullah ÇAĞIL

Associate Professor Dr. Nagihan UĞURLU

Associate Professor Dr. Emine AKÇAY

Associate Professor Dr. Yasin TOKLU

Asistant Professor Dr. Pınar NALÇACIOĞLU

Asistant Proffessor Dr. Seher UYSAL

#### TESTING AND EVALUATION

The students are evaluated with a practical and oral examination at the end of the internship.

Practical and oral examination: Exam juries consisting of two or three faculty members evaluate the student's skills related to obtaining the patient's history, conducting an ophthalmologic examination, the approach to the disease, conducting a differential diagnosis and arranging treatment.

The student is determined to be successful or unsuccessful according to the internship grade.

### **THE AIMS OF THE INTERNSHIP**

3. Taking into account the learning objectives specified in the National Core Training Program, the aims are for the student to learn the basic approach to eye disorders and acquire the skills of making a preliminary or definite diagnosis of common disorders and those that require urgent intervention, arranging the treatment and urgent interventions for these patients, and referring them correctly and effectively.
4. Other aims are making sure they become physicians who possess the ability to investigate and query, who practice the profession while staying within ethical boundaries, and who are able empathize with a holistic approach towards the patient and the family.

### **LEARNING OBJECTIVES**

The 5th year students are expected to be able to do the following at the end of the ophthalmology internship:

- 1) Query the patient and patient relatives
- 2) Evaluate the general condition of the patient
- 3) Obtain the history of the patient and perform an ophthalmologic examination.
- 4) Record and present the findings
- 5) Make a preliminary diagnosis of the patient's ophthalmologic disorder
- 6) Classify disorders into subgroups and refer as necessary.
- 7) Recognize eye disorders requiring emergency intervention and refer these patients to a higher-level healthcare institution after completing the initial treatment.
- 8) Establish healthy communication with the patient and the relatives.
- 9) Establish healthy communication with other healthcare staff.
- 10) Establish proper communication with the trainers.
- 11) Understand the importance of establishing good physician-patient and physician-physician communication and improve current skills.

**OPHTHALMOLOGY DEPARTMENT INTERNSHIP PROGRAM**

<b>Disease-condition- symptom</b>	<b>Information Degree</b>	<b>System</b>	<b>INSTRUCTOR</b>
Eye Anatomy and Physiology (2 lessons)	D	Eye	Prof. Dr. Mehmet A. Acar
Retinal Examination Methods	D	Eye	Prof. Dr. Mehmet A. Acar
Eyelids Diseases	DT-F	Eye	Assoc. Prof. Dr. Emine Akçay
Lacrimal System Diseases	DT-F	Eye	Assoc. Prof. Dr. Emine Akçay
Orbital Diseases	DT-F	Eye	Assoc. Prof. Dr. Emine Akçay
Diabetic Retinopathy	DT-F	Eye	Assoc. Prof. Dr. Nagihan Uğurlu
Uveitis: Anterior and Posterior Behcet Uveitis, Differential Diagnosis of Uveitis	DT-F	Eye	Assoc. Prof. Dr. Nagihan Uğurlu
Age-Related Macular Degeneration	DT-F	Eye	Assoc. Prof. Dr. Nagihan Uğurlu
Retinal Degenerative Diseases	DT-F	Eye	Assoc. Prof. Dr. Yasin Toklu
Cataract	DT-F	Eye	Assoc. Prof. Dr. Yasin Toklu
Retinal Detachment	DT	Eye	Assoc. Prof. Dr. Yasin Toklu
Glaucoma and Treatment	DT-F	Eye	Assoc. Prof. Dr. Fatma Yülek
Pediatric Ophthalmology and Strabismus (2 lessons)	DT-F	Eye	Assoc. Prof. Dr. Fatma Yülek
Refractive Errors	DT	Eye	Assoc. Prof. Dr. Nurullah Çağıl
Conjunctiva diseases	DT-F-P	Eye	Assoc. Prof. Dr. Nurullah Çağıl
Corneal Diseases	DT-F-P	Eye	Assoc. Prof. Dr. Nurullah Çağıl
Ocular Trauma	DT-E	Eye	Asist. Prof. Dr. Pınar Nalçacıoğlu
Neuro-ophthalmology (2 lessons)	DT	Eye	Asist. Prof. Dr. Pınar Nalçacıoğlu
Emergency Eye Diseases	DT-E	Eye	Asist. Prof. Dr. Seher Uysal
Red Eye and differential diagnosis	DT	Eye	Asist. Prof. Dr. Seher Uysal

Ocular Tumor	DT	Eye	Asist. Prof. Dr. Seher Uysal
--------------	----	-----	---------------------------------

D: Diagnosis, T: Treatment, F: Follow, P: Protection, E: Emergency

### INTERNSHIP PROGRAM

1. DAY			
HOUR	ACTIVITY	SUBJECT	INSTRUCTOR
08.30 - 09.20	Theoretical Lesson	Eye Anatomy and Physiology-I	Prof. Dr. Mehmet Akif ACAR
09.30 - 10.30	Theoretical Lesson	Eye Anatomy and Physiology-II	Prof. Dr. Mehmet Akif ACAR
10.30 - 11.00	Free Time		
11.00 - 12.00	Theoretical Lesson	Retinal Examination Methods	Prof. Dr. Mehmet Akif ACAR
BREAK TIME			
13.30 - 14.20	Practical Training		
14.30 - 15.20	Practical Training		
15.30 - 16.20	Practical Training		

2. DAY			
HOUR	ACTIVITY	SUBJECT	INSTRUCTOR
08.30 - 09.30	Theoretical Lesson	<b>Eyelids Diseases</b>	Assoc. Prof. Dr. Emine AKÇAY
09.30 - 10.30	Theoretical Lesson	<b>Lacrimal System Diseases</b>	Assoc.. Prof. Dr. Emine AKÇAY
10.30 - 11.00	Free Time		
11.00 - 12.00	Theoretical Lesson	Orbital Diseases	Assos. Prof. Dr. Emine AKÇAY
BREAK TIME			
13.30 - 14.20	Practical Training		
14.30 - 15.20	Practical Training		
15.30 - 16.20	Practical Training		

<b>3. DAY</b>			
<b>HOUR</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>INSTRUCTOR</b>
08.30 - 09.30	Theoretical Lesson	Emergency Eye Diseases	Assist. Prof. Dr. Seher UYSAL
09.30 - 10.30	Theoretical Lesson	Red Eye and differential diagnosis	Assist. Prof. Dr. Seher UYSAL
10.30 - 11.00	Free Time		
11.00 - 12.00	Theoretical Lesson	Ocular Tumor	Assist. Prof. Dr. Seher UYSAL
BREAK TIME			
13.30 - 14.20	Practical Training		
14.30 - 15.20	Practical Training		
15.30 – 16.20	Practical Training		

<b>4. DAY</b>			
<b>HOUR</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>INSTRUCTOR</b>
08.30 - 09.30	Theoretical Lesson	Diabetic Retinopathy	Assoc. Prof. Dr. Nagihan UĞURLU
09.30 - 10.30	Theoretical Lesson	Age-Related Macular Degeneration	Assoc. Prof. Dr. Nagihan UĞURLU
10.30 - 11.00	Free Time		
11.00 - 12.00	Theoretical Lesson	Uveitis: Anterior and Posterior Behcet Uveitis, Differential Diagnosis of Uveitis	Assoc. Prof.. Dr. Nagihan UĞURLU
BREAK TIME			
13.30 - 14.20	Practical Training		
14.30 - 15.20	Practical Training		
15.30 – 16.20	Practical Training		

<b>5.DAY</b>			
<b>HOUR</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>INSTRUCTOR</b>
08.30 - 09.30	Theoretical Lesson	Cataract	Assoc. Prof. Dr. Yasin TOKLU
09.30 - 10.30	Theoretical Lesson	Retinal Degenerative Diseases	Assoc. Prof. Dr. Yasin TOKLU
10.30 - 11.00	Free Time		

11.00 - 12.00	Theoretical Lesson	Retinal Detachment	Assoc. Prof. Dr. Yasin TOKLU
BREAK TIME			
13.30 - 14.20	Practical Training		
14.30 - 15.20	Practical Training		
15.30 – 16.20	Practical Training		

<b>6. DAY</b>			
<b>HOUR</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>INSTRUCTOR</b>
08.30 - 09.30	Theoretical Lesson	Glaucoma And Treatment	Assoc. Prof. Dr. Fatma YÜLEK
09.30 - 10.30	Theoretical Lesson	Pediatric Ophthalmology and Strabismus-I	Assoc. Prof. Dr. Fatma YÜLEK
10.30 - 11.00	Free Time		
11.00 - 12.00	Theoretical Lesson	Pediatric Ophthalmology and Strabismus -II	Assoc. Prof. Dr. Fatma YÜLEK
BREAK TIME			
13.30 - 14.20	Practical Training		
14.30 - 15.20	Practical Training		
15.30 – 16.20	Practical Training		

<b>7. DAY</b>			
<b>HOUR</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>INSTRUCTOR</b>
08.30 - 09.30	Theoretical Lesson	Conjunctiva diseases	Assoc. Prof. Dr. Nurullah ÇAĞIL
09.30 - 10.30	Theoretical Lesson	Corneal Diseases	Assoc. Prof. Dr. Nurullah ÇAĞIL
10.30 - 11.00	Free Time		
11.00 - 12.00	Theoretical Lesson	Refractive Errors	Assoc. Prof. Dr. Nurullah ÇAĞIL
BREAK TIME			
13.30 - 14.20	Practical Training		
14.30 - 15.20	Practical Training		
15.30 – 16.20	Practical Training		

<b>8. DAY</b>			
<b>HOUR</b>	<b>ACTIVITY</b>	<b>SUBJECTS</b>	<b>INSTRUCTOR</b>
08.30 - 09.30	Theoretical Lesson	Ocular Trauma	Assist. Prof. Dr. Pinar NALÇACIOĞLU
09.30 - 10.30	Theoretical Lesson	Neuro-ophthalmology-I	Assist. Prof. Dr. Pinar NALÇACIOĞLU
10.30 - 11.00	Free Time		
11.00 - 12.00	Theoretical Lesson	Neuro-ophthalmology-II	Assist. Prof. Dr. Pinar NALÇACIOĞLU
ÖĞLE TATİLİ			
13.30 - 14.20	Practical Training		
14.30 - 15.20	Practical Training		
15.30 – 16.20	Practical Training		

<b>9. DAY</b>			
<b>HOUR</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>INSTRUCTOR</b>
08.30 - 09.30	Practical Training		
09.30 - 10.30	Practical Training		
10.30 - 11.00	Free Time		
11.00 - 12.00	Practical Training		
BREAK TIME			
13.30 - 14.20	Practical Training		
14.30 - 15.20	Practical Training		
15.30 – 16.20	Practical Training		

<b>10. DAY</b>			
<b>HOUR</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>INSTRUCTOR</b>
08.30 - 09.30			
09.30 - 10.30	Oral Examination		All Instructors
10.30 - 11.00			
11.00 - 12.00			
BREAK TIME			
13.30 - 14.20			
14.30 - 15.20			
15.30 – 16.20			

## RECOMMENDED BOOKS

1. Göz Hastalıkları. Prof Dr Ünal Bengisu, Palme Yayınları, 2016
2. Kanski's Clinical Ophthalmology, A Systematic Approach. Brad Bowling, Saunders, 2015
3. Elsevier: Ophthalmology, 4th Edition: Yanoff & Duker
4. Temel Göz Hastalıkları. Pınar Aydın, Yonca Aydın Akova, 2015 Güneş Tıp Kitapevi
- 5 .The Wills Eye Manual 6<sup>th</sup> Edition – Office and emergency room diagnosis and treatment of eye disease. Adam T Gerstenblith, Michael P. Rabinowitz Wolters Kluwer Lippincott Williams and Wilkins
6. Oküloplastik Cerrahi. Dr Ahmet Maden, Punyo Yayıncılık, 1995

## 2017-2018 ACADEMIC YEAR

### TERM V – OTORHINOLARYNGOLOGY-HEAD AND NECK SURGERY STAGE

#### INTRODUCTION

#### TIME OF STAGE

15 workday

#### Programme of stage:

The students are schooling stage programme three times for Turkish programme, three for English programme

#### PLACE OF EDUCATION:

**Theoretic lessons:** Bilkent Building of Yıldırım Beyazıt University Medical Faculty

**Practical lessons:** Ankara Atatürk Training and Research Hospital Otorhinolaryngology-Head and Neck Surgery Clinic ve Polyclinics

**Head of Department:** Prof. Dr. HÜSEYİN DERE

**Stage Manager:** Prof. Dr. SAMİ BERÇİN

Prof. Dr. HAKAN KORKMAZ

#### EDUCATORS:

Prof. Dr. HÜSEYİN DERE

Prof. Dr. HAKAN KORKMAZ

Prof. Dr. AHMET KUTLUHAN

Prof. Dr. SAMİ BERÇİN

Doç. Dr. MEHMET ALİ BABADEMEZ

Yrd. Doç. Dr. KAZIM BOZDEMİR

#### ASSESSMENT AND EVALUATION:

Two methods are used for evaluating the students by the end of stage programme.

Interview and Practical Exam: Exam jury which one or two academic member are in evaluate skills of anamnesis, physical examination, differential diagnosis, treatment planning.

.The effect of these exams on internship grades is 50% and 50% respectively

**AİMS:**

5. Early-diagnosing and diagnosing the common and emergency diseases
6. Being informed and becoming skilful at treatment and emergency action at primary care by base on National Core Education Programme.
7. Providing the students to become researcher, care about ethical behavior and unity of family, developing empathy.

**OBJECTS:**

At the end of Otorhinolaryngology ve Head and Neck Surgery

The students,

- 12) Listen patient and patient's relatives and take medical history
- 13) Measure and evaluate vital signs
- 14) Make an systemic examination
- 15) Record and present anamnesis and examination
- 16) Plan the laboratory tests according to anamnesis and examination, analyse the results
- 17) Make prediagnose and diagnose, treat common and emergency otorhinolaryngology disease such as acute otitis, sinusitis, epistaxis, tonsillitis, deep neck infection, vertigo at a level of primary care
- 18) Realyse the emergency otorhinolaryngolgy disease and refer to upper step healthcare organization with providing respiratory and circulation support and stabilization.
- 19) Communicate properly wih patients and patients' relatives
- 20) Communicate properly with other medical personnel
- 21) Communicate properly with
- 22) Understand importancy of good communication with patient-doctor and doctor-doctor

**OTORHINOLARYNGOLOGY-HEAD AND NECK SURGERY STAGE PROGRAMME**

<b>Disease-case-symptom</b>	<b>Knowledge Grade</b>	<b>Systems</b>	<b>EDUCATOR</b>
1. Introduction to otorhinolaryngology Methods of examination Audiology	T	Multisystem	Dr. AHMET KUTLUHAN
2. Examination of oral cavityand oropharynx	ÖnT-TT-İ	Multisystem	Dr.KAZIM BOZDEMİR

Diseases of adenoid and tonsil Adenoidectomy and tonsillectomy			
3. Rhinoscopy and ve anterior nasal tamp Diseases of rhinology and sinus Epistaxis – Nasal obstruction Complications of sinüsitis	TT-İ-A-K	Respiratory	Dr.KAZIM BOZDEMİR
4. Diseases of external auditory canal	TT-İ-K	Skin and soft tissue	Dr. HÜSEYİN DERE
5. Airway emergency Obstruction of larynx and trachea -Tracheotomy - Obstruction of airway in pediatrics	TT-A	Respiratory	Dr Hakan Korkmaz
6. Diseases of middle ear - Otagia -Complications of otitis - Otossclerosis	TT-İ-A-K	Sensory system	Dr. HÜSEYİN DERE
7. Disease of internal ear - Tinnitus and vertigo	ÖnT-TT-A	Sensory system	Dr. AHMET KUTLUHAN
8. Disease of larenks - Hoarseness	ÖnT-TT-İ-K	Respiratory	Dr M Ali Babademez
9. Maxillofacial diseases Maxillofacial travma and Facial plastic surgery	TT-A-K	Multisystem	Dr. KAZIM BOZDEMİR
10. Diseases of oral cavity	ÖnT-TT-K	Multisystem	Dr. KAZIM BOZDEMİR

-Disease of pharynx -Disease of nasopharynx			
11. Snoring and sleep apnea	TT-K	Multisystem	Dr M Ali Babademez
12. Disease of facial nerve	TT-A	Sensory system	Dr. SAMİ BERÇİN
13. Disease of salivary gland	ÖnT,TT	Multisystem	Dr. SAMİ BERÇİN
14. Approach to patients with cervical mass and indications of biopsy	ÖnT-TT-İ- K	Multisystem	Dr Hakan Korkmaz

#### STAGE PROGRAMME

<b>1. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>ISSUE</b>	<b>ACADEMIC MEMBER</b>
08.30 - 09.20	Theoretical lesson	Introduction to otorhinolaryngology- Taking medical history about otorhinolaryngology and Physical examination	Dr. AHMET KUTLUHAN
09.30 - 10.30	Theoretical lesson	Introduction to otorhinolaryngology- Taking medical history about otorhinolaryngology and Physical examination	Dr. AHMET KUTLUHAN
10.30 - 11.00	Self-study		
11.00 - 12.00	Theoretical lesson	Auditory system and Audiology	Dr. AHMET KUTLUHAN
<b>LUNCH BREAK</b>			
13.30 - 14.20	Practical application		Dr. AHMET KUTLUHAN
14.30 - 15.20	Practical application		
15.30 - 16.20	Practical application		

<b>2. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>ISSUE</b>	<b>ACADEMIC MEMBER</b>
<b>08.30 - 09.30</b>	Theoretical lesson	Oral cavity- oropharynx Examination Diseases of adenoid and tonsils	Dr. KAZIM BOZDEMİR
<b>09.30 - 10.30</b>	Theoretical lesson	Diseases of adenoid and tonsils- Adenoidectomy and tonsillectomy	Dr. KAZIM BOZDEMİR
<b>10.30 - 11.00</b>	Self-study		
<b>11.00 - 12.00</b>	Theoretical lesson	Rhinologic examination Epistaxis Anterior Nasal Tamp	Dr. KAZIM BOZDEMİR
<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	Practical application		Dr. KAZIM BOZDEMİR
<b>14.30 - 15.20</b>	Practical application		
<b>15.30 - 16.20</b>	Practical application		

<b>3.DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>ISSUE</b>	<b>ACADEMIC MEMBER</b>
<b>08.30 - 09.30</b>	Theoretical lesson	Nasal obstruction Disease of rhinology and paranasal sinüs	Dr. KAZIM BOZDEMİR
<b>09.30 - 10.30</b>	Theoretical lesson	Disease of rhinology and paranasal sinüs	Dr. KAZIM BOZDEMİR
<b>10.30 - 11.00</b>	Self-study		
<b>11.00 - 12.00</b>	Theoretical lesson	Complications of sinusitis	Dr. KAZIM BOZDEMİR
<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	Practical application		Dr. KAZIM BOZDEMİR
<b>14.30 - 15.20</b>	Practical application		
<b>15.30 - 16.20</b>	Practical application		

<b>4. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>ISSUE</b>	<b>ACADEMIC MEMBERS</b>
<b>08.30 - 09.30</b>	Theoretical lesson	Diseases of external auditory canal	Dr. HÜSEYİN DERE
<b>09.30 - 10.30</b>	Theoretical lesson	Diseases of middle ear	. Dr. HÜSEYİN DERE
<b>10.30 - 11.00</b>	Self-study		
<b>11.00 - 12.00</b>	Theoretical lesson	Diseases of middle ear Otalgia	Dr. HÜSEYİN DERE
<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	Practical application		Dr. HÜSEYİN DERE
<b>14.30 - 15.20</b>	Practical application		
<b>15.30 - 16.20</b>	Practical application		

<b>5. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>ISSUE</b>	<b>ACADEMIC MEMBER</b>
<b>08.30 - 09.30</b>	Theoretical lesson	Complications of otitis	Dr. HÜSEYİN DERE
<b>09.30 - 10.30</b>	Theoretical lesson	Complications of otitis	Dr. HÜSEYİN DERE
<b>10.30 - 11.00</b>	Self-study		
<b>11.00 - 12.00</b>	Theoretical lesson	Otosclerosis	Dr. HÜSEYİN DERE
<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	Practical application		Dr. HÜSEYİN DERE
<b>14.30 - 15.20</b>	Practical application		
<b>15.30 - 16.20</b>	Practical application		

<b>6. DAY</b>			
<b>TIME</b>	<b>ACTIVIY</b>	<b>ISSUE</b>	<b>ACADEMIC MEMBER</b>
<b>08.30 - 09.30</b>	Theoretical lesson	Diseases of internal ear	Dr. AHMET KUTLUHAN
<b>09.30 - 10.30</b>	Theoretical lesson	Diseases of internal ear	Dr. AHMET KUTLUHAN
<b>10.30 - 11.00</b>	Self-study		
<b>11.00 - 12.00</b>	Theoretical lesson	Tinnitus and vertigo	Dr. AHMET KUTLUHAN

<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	Practical application		Dr. AHMET KUTLUHAN
<b>14.30 - 15.20</b>	Practical application		
<b>15.30 - 16.20</b>	Practical application		

<b>7. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>ISSUE</b>	<b>ACADEMIC MEMBER</b>
<b>08.30 - 09.30</b>	Theoretical lesson	Diseases of facial nerve	Dr. SAMİ BERÇİN
<b>09.30 - 10.30</b>	Theoretical lesson	Diseases of facial nerve	Dr. SAMİ BERÇİN
<b>10.30 - 11.00</b>	Self-study		
<b>11.00 - 12.00</b>	Theoretical lesson	Diseases of facial nerve	Dr. SAMİ BERÇİN
<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	Practical application		Dr. SAMİ BERÇİN
<b>14.30 - 15.20</b>	Practical application		
<b>15.30 - 16.20</b>	Practical application		

<b>8. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>ISSUE</b>	<b>ACADEMIC MEMBER</b>
<b>08.30 - 09.30</b>	Theoretical lesson	Diseases of salivary gland	Dr. SAMİ BERÇİN
<b>09.30 - 10.30</b>	Theoretical lesson	Diseases of salivary gland	Dr. SAMİ BERÇİN
<b>10.30 - 11.00</b>	Self-study		
<b>11.00 - 12.00</b>	Theoretical lesson	Diseases of salivary gland	Dr. SAMİ BERÇİN
<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	Practical application		Dr. SAMİ BERÇİN
<b>14.30 - 15.20</b>	Practical application		
<b>15.30 - 16.20</b>	Practical application		

<b>9. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>ISSUE</b>	<b>ACADEMIC MEMBER</b>
<b>08.30 - 09.30</b>	Theoretical lesson	Larynx and hypopharynx Examination Diseases of larynx	Dr. M.ALİ BABADEMEZ
<b>09.30 - 10.30</b>	Theoretical lesson	Diseases of larynx	Dr. M.ALİ BABADEMEZ
<b>10.30 - 11.00</b>	Self-study		
<b>11.00 - 12.00</b>	Theoretical lesson	Diseases of larynx	Dr. M.ALİ BABADEMEZ
<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	Practical application		Dr. M.ALİ BABADEMEZ
<b>14.30 - 15.20</b>	Practical application		
<b>15.30 - 16.20</b>	Practical application		

<b>10. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>ISSUE</b>	<b>ACADEMIC MEMBER</b>
<b>08.30 - 09.30</b>	Theoretical lesson	Hoarseness	Dr. M.ALİ BABADEMEZ
<b>09.30 - 10.30</b>	Theoretical lesson	Laryngopharyngeal reflux	Dr. M.ALİ BABADEMEZ
<b>10.30 - 11.00</b>	Self-study		
<b>11.00 - 12.00</b>	Theoretical lesson	Snoring and sleep apne	Dr. M.ALİ BABADEMEZ
<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	Practical application		Dr. M.ALİ BABADEMEZ
<b>14.30 - 15.20</b>	Practical application		
<b>15.30 - 16.20</b>	Practical application		

<b>11. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>ISSUE</b>	<b>ACADEMIC MEMBER</b>
<b>08.30 - 09.30</b>	Theoretical lesson	Airway emergency Obstructions of larynx and trachea	Dr Hakan Korkmaz
<b>09.30 - 10.30</b>	Theoretical lesson	Airway emergency Obstructions of larynx and trachea Tracheotomy	Dr Hakan Korkmaz
<b>10.30 - 11.00</b>	Self-study		
<b>11.00 - 12.00</b>	Theoretical lesson	Airway obstructions in pediatrics Tracheotomy	Dr Hakan Korkmaz
<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	Practical application		Dr Hakan Korkmaz
<b>14.30 - 15.20</b>	Practical application		
<b>15.30 - 16.20</b>	Practical application		

<b>12. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>ISSUE</b>	<b>ACADEMIC MEMBER</b>
<b>08.30 - 09.30</b>	Theoretical lesson	Neck examination Approach to patient with cervical mass	Dr Hakan Korkmaz
<b>09.30 - 10.30</b>	Theoretical lesson	Approach to patient with cervical mass	Dr Hakan Korkmaz
<b>10.30 - 11.00</b>	Self-study		
<b>11.00 - 12.00</b>	Theoretical lesson	Approach to patient with cervical mass and indications of biopsy	Dr Hakan Korkmaz

<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	Practical application		Dr Hakan Korkmaz
<b>14.30 - 15.20</b>	Practical application		
<b>15.30 - 16.20</b>	Practical application		

<b>13. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>ISSUE</b>	<b>ACADEMIC MEMBER</b>
<b>08.30 - 09.30</b>	Theoretical lesson	Diseases of oral cavity	Dr. KAZIM BOZDEMİR
<b>09.30 - 10.30</b>	Theoretical lesson	Diseases of oral cavity	Dr. KAZIM BOZDEMİR
<b>10.30 - 11.00</b>	Self-study		
<b>11.00 - 12.00</b>	Theoretical lesson	Diseases of oropharynx and hypopharynx	Dr. KAZIM BOZDEMİR
<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	Practical application		Dr. KAZIM BOZDEMİR
<b>14.30 - 15.20</b>	Practical application		
<b>15.30 - 16.20</b>	Practical application		

<b>14. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>ISSUE</b>	<b>ACADEMIC MEMBER</b>
<b>08.30 - 09.30</b>	Theoretical lesson	Diseases of nasopharynx	Dr. KAZIM BOZDEMİR
<b>09.30 - 10.30</b>	Theoretical lesson	Maxillofacial diseases	Dr. KAZIM BOZDEMİR
<b>10.30 - 11.00</b>	Self-study		
<b>11.00 - 12.00</b>	Theoretical lesson	Maxillofacial diseases Maxillofacial trauma and Facial plastic surgery	Dr. KAZIM BOZDEMİR
<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	Practical application		Dr. KAZIM BOZDEMİR
<b>14.30 - 15.20</b>	Practical application		

<b>15.30 – 16.20</b>	Practical application		
----------------------	-----------------------	--	--

<b>15. DAY</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>ISSUE</b>	<b>ACADEMIC MEMBER</b>
<b>08.30 - 09.30</b>	<b>INTERVIEW</b>		
<b>09.30 - 10.30</b>	<b>INTERVIEW</b>		<b>ALL ACADEMIC MEMBER</b>
<b>10.30 - 11.00</b>	<b>WRITTEN EXAM</b>		
<b>11.00 - 12.00</b>	<b>WRITTEN EXAM</b>		
<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>			
<b>14.30 - 15.20</b>			
<b>15.30 – 16.20</b>			

### **RECOMMENDED BOOKS**

1. Head and Neck Surgery-Otolaryngology, Byron J. Bailey&Jonas T.Johnson
- 2.Ballenger's Otorhinolaryngology Head and Neck Surgery
3. Essential Otolaryngology Baş ve Boyun Cerrahisi, K.J.Lee
- 4.Otolaringoloji ve Fasiyal Plastik Cerrahi Sınavlara Hazırlık Kaynağı-Board Review
5. Kulak Burun Boğaz Hastalıkları ve Baş Boyun Cerrahisi - Onur Çelik
6. Cummings Otolaryngology - Paul W. Flint

## 2017-2018 ACADEMIC YEAR

### PERIOD V – CARDIOVASCULAR SURGERY TRAINING

#### TRAINING OVERVIEW

#### DURATION OF TRAINING

5 working days

The training program will be delivered 3 times in Turkish and 3 times in English

#### PLACE OF TRAINING

Training theory lessons will be delivered in the University Bilkent Health Sciences building.

Training practical lessons will be delivered in the Cardiovascular Clinic, Intensive Care Unit, Operating Theatres and Polyclinics of Ankara Atatürk Training and Research Hospital.

**Head of Department:** Prof. Dr. Erol ŞENER

**Heads of Training:** Prof. Dr. Erol ŞENER  
Doç. Dr. Mete HIDIROĞLU

#### INSTRUCTORS

Prof. Dr. Erol ŞENER

Doç. Dr. Mete HIDIROĞLU

Yrd. Doç. Dr. Kemal Eşref ERDOĞAN

Yrd. Doç. Dr. Fethi SAĞLAM

#### MEASUREMENT AND EVALUATION

At the end of the training, students will be evaluated with two methods.

- 1) Practical and Oral Examination: the student will be evaluated by a jury of 2-3 faculty members in terms of capability of taking the patient anamnesis, performing a physical examination, making a differential diagnosis and planning treatment.
- 2) The student will be defined as successful or unsuccessful according to the Training Program score.

#### TRAINING AIMS

8. Taking into consideration the learning objectives defined in the National Core Education Program, to gain the knowledge and skills to be able to make a pre-diagnosis or diagnosis of basic cardiovascular diseases which are frequently seen and will require emergency intervention and to be able to apply the first stage of treatment and emergency interventions to these patients and by acquiring the necessary communication skills, to be able to refer these patients to higher centres.

9. To become an evidence-based physician according to human and professional values, with the characteristics of a researcher and investigator, who can apply an empathetic holistic approach to the patient and their family within the ethics of the profession.

## **LEARNING OBJECTIVES**

At the end of Period V of Cardiovascular Surgery training , the student will be able to;

- 23) Question the patient and patient's relatives
- 24) Evaluate the general status of the patient
- 25) Measure and evaluate the vital signs of the patient
- 26) Make a systemic examination
- 27) Record and present the findings of the anamnesis and physical examination
- 28) Request and interpret the results of the basic laboratory tests (ECG, full blood count, coagulation parameters, full urine examination, biochemical measurements, USG, CT, ECHO, PA-AC graphs) required at the first-stage for the patient with the anamnesis and physical examination findings.
- 29) Learn the evaluation of coronary angiography ECHO and CT data.
- 30) Learn the anatomy and physiology of the circulatory system.
- 31) Learn the etiology and risk factors of cardiovascular diseases and the mechanisms forming the diseases.
- 32) To be able to make a pre-diagnosis or diagnosis of cardiovascular diseases and to be able to evaluate the treatment options and surgical indications.
- 33) To be able to recognise cardiovascular diseases requiring emergency intervention, to acquire the skills to make intervention and by giving respiratory and circulatory support to critical patients, to be able to refer to a higher level healthcare institution.
- 34) By entering operations under appropriate conditions, to have knowledge of surgical applications.
- 35) To have knowledge of the intensive care procedures of cardiovascular patients and to have the skills and knowledge to be able to implement intensive care monitoring.
- 36) To establish good communications with the patient and their family.
- 37) To establish good communications with other healthcare personnel.
- 38) To establish appropriate communications with the instructors
- 39) To develop the skills for, and understand the importance of good patient-physician and physician-physician communication.

## CARDIOVASCULAR SURGERY MAIN BRANCH TRAINING LESSON PROGRAM

<b>Disease-condition-symptom</b>	<b>Knowledge level</b>	<b>System (s)</b>	<b>FACULTY MEMBER</b>
Taking the anmnesis and making physical examination of cardiovascular diseases	D	Multisystem	Yrd. Doç. Dr. Fethi SAĞLAM
Coronary artery disease	PreD-P	Cardiovascular	Doç.Dr.Mete HIDIROĞLU
Lymphoedema	PreD	Cardiovascular	Yrd. Doç. Dr. Fethi SAĞLAM
Deep Vein Thrombosis	PreD -P	Cardiovascular	Yrd. Doç. Dr. Kemal Eşref ERDOĞAN
Varicose veins in the extremity	PreD -P	Cardiovascular	Yrd. Doç. Dr. Fethi SAĞLAM
Acute artery obstruction	PreD	Cardiovascular	Yrd. Doç. Dr. Kemal Eşref ERDOĞAN
Heart failure	D-E-P-F	Cardiovascular	Prof. Dr. Erol ŞENER
Thrombophlebitis	D	Cardiovascular	Yrd. Doç. Dr. Fethi SAĞLAM
Heart valve diseases	PreD -P	Cardiovascular	Yrd. Doç. Dr. Kemal Eşref ERDOĞAN
Congenital heart diseases	PreD	Cardiovascular	Yrd. Doç. Dr. Fethi SAĞLAM
Peripheral artery disease	D-E	Cardiovascular	Yrd. Doç. Dr. Kemal Eşref ERDOĞAN
Endocarditis	PreD -P	Cardiovascular	Yrd. Doç. Dr. Kemal Eşref ERDOĞAN
Chronic venous failure	PreD	Cardiovascular	Yrd. Doç. Dr. Fethi SAĞLAM
Pericardial effusion/Tamponade	PreD	Cardiovascular	Yrd. Doç. Dr. Fethi SAĞLAM
Pulmonary embolism	PreD -P	Cardiovascular	Yrd. Doç. Dr. Kemal Eşref ERDOĞAN
Aorta dissection	PreD	Cardiovascular	Doç.Dr.Mete HIDIROĞLU
Aorta aneurism/Rupture	PreD	Cardiovascular	Doç.Dr.Mete HIDIROĞLU
Acute myocardial infarct	D-E-P	Cardiovascular	Prof. Dr. Erol ŞENER

### CARDIOVASCULAR SURGERY TRAINING PROGRAM

<b>DAY 1</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>FACULTY MEMBER</b>
08.30 - 09.20	Theory lesson	Taking the anmnesis and making physical examination of cardiovascular diseases	Yrd. Doç. Dr. Fethi SAĞLAM
09.30 - 10.30	Theory lesson	Coronary artery disease	Doç.Dr.Mete HIDIROĞLU
10.30 - 11.00	Individual study		
11.00 - 12.00	Theory lesson	Varicose veins in the extremity, Chronic venous failure, Lymphoedema	Yrd. Doç. Dr. Fethi SAĞLAM
<b>LUNCH</b>			
13.30 - 14.20	Practical application		
14.30 - 15.20	Practical application		
15.30 - 16.20	Practical application		

<b>DAY 2</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>FACULTY MEMBER</b>
08.30 - 09.30	Theory lesson	Thrombophlebitis, Deep Vein Thrombosis, Pulmonary Embolism	Yrd. Doç. Dr. Kemal Eşref ERDOĞAN
09.30 - 10.30	Theory lesson	Aorta Dissection Aorta Aneurism/Rupture	Doç.Dr.Mete HIDIROĞLU
10.30 - 11.00	Individual study		
11.00 - 12.00	Theory lesson	Acute artery obstruction Peripheral artery disease and carotid artery surgery	Yrd. Doç. Dr. Kemal Eşref ERDOĞAN
<b>LUNCH</b>			
13.30 - 14.20	Practical application		
14.30 - 15.20	Practical application		
15.30 - 16.20	Practical application		

<b>DAY 3</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>FACULTY MEMBER</b>
08.30 - 09.30	Theory lesson	Congenital heart diseases	Yrd. Doç. Dr. Fethi SAĞLAM
09.30 - 10.30	Theory lesson	Heart failure	Prof. Dr. Erol ŞENER
10.30 - 11.00	Individual study		
11.00 - 12.00	Theory lesson	Pericarial diseases Effusion/Tamponade	Yrd. Doç. Dr. Fethi SAĞLAM
<b>LUNCH</b>			
13.30 - 14.20	Practical application		
14.30 - 15.20	Practical application		
15.30 - 16.20	Practical application		

<b>DAY 4</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>FACULTY MEMBER</b>
08.30 - 09.30	Theory lesson	Heart valve diseases	Yrd. Doç. Dr. Kemal Eşref ERDOĞAN
09.30 - 10.30	Theory lesson	Acute myocardial infarct Mechanical complications	Prof. Dr. Erol ŞENER
10.30 - 11.00	Individual study		

11.00 - 12.00	Theory lesson	Endocarditis	Yrd. Doç. Dr. Kemal Eşref ERDOĞAN
LUNCH			
13.30 - 14.20	Practical application		
14.30 - 15.20	Practical application		
15.30 - 16.20	Practical application		

DAY 5			
TIME	ACTIVITY	TOPIC	FACULTY MEMBER
08.30 - 09.30			
09.30 - 10.30	ORAL EXAMINATION		All Faculty Members
10.30 - 11.00			
11.00 - 12.00			
LUNCH			
13.30 - 14.20			
14.30 - 15.20			
15.30 - 16.20			

**RECOMMENDED REFERENCES:**

1. Kalp Cerrahisi: Cerrahi teknikler, tehlikeler ve önlemleri, 2010. Siavosh KHONSARI, Colleen Flint SINTEK. Çeviri Editörü: Prof. Dr. Erol ŞENER.
2. Kalp ve Damar Cerrahisi, 2013. Mustafa Paç.
3. Kalbin Cerrahi Anatomisi, 2010. Benson R. WILCOX, Andrew C. COOK, Robert H. ANDERSON. Çeviri Editörü: Prof. Dr. Bülent ORAN. Güneş Tıp Kitapevi.
4. Periferik arter ve ven hastalıkları ulusal tedavi kılavuzu 2016. Prof. Dr. A. Kürşat Bozkurt. Türk Kalp Damar Cerrahisi Derneği ,Ulusal Vasküler ve Endovasküler Cerrahi Derneği, **Fleboloji Derneği**
5. Aort cerrahisinde tanı ve tedavi kılavuzu 2008. Türk kalp damar cerrahisi derneği.

## 2017-2018 ANNUAL SCHEDULE

### PHASE V – NEUROLOGY INTERNSHIP

#### DEFINATION OF INTERNSHIP

#### DURATION OF INTERNSHIP

10 Working days

Internship program will be implemented 3 times for Turkish program and 3 times for the English program.

#### EDUCATION PLACE

Internship theoretic lesson will be done at Bilkent Health Science Building,

Internship practical lessons will be done at Ankara Education and Research Hospital, Department of Neurology Inpatient Units and Neurology Outpatient Units.

**Head of Department:** Prof. Dr. Orhan DENİZ

**Coordinator of internship program:** Prof. Dr. Ömer ANLAR

Yrd.Doç.Dr. Şadiye GÜMÜŞYAYLA

#### TRAINERS

Prof. Dr. Orhan DENİZ

Prof. Dr. Ömer ANLAR

Prof. Dr. Tahir Kurtuluş YOLDAŞ

Yrd. Doç. Dr. Şadiye GÜMÜŞYAYLA

Yrd. Doç. Dr. Gönül VURAL

Uzm. Dr. Hesna BEKTAŞ

#### QUANTIFICATION AND CONSIDERATION

Students are appreciated two methods at the end of the internship program.

1-Practical Exam: Examination jury which consists of three or four teaching staff evaluate ability of taking history, doing neurologic examination

2-Theoretical Exam: Theoretical exam is quantified basic mechanism, symptoms and signs, diagnose and differential diagnose and treatment modalities of neurological disease

Practical exam is considered as a threshold. A student who does not pass 60 points after evaluating with 100 points can not get the theoretical exam right. In addition, internship must be repeated. Theoretical exam has evaluated over 100 point. Students are considered successful if they can take 60 point and above grade 60, Students who do not score over 60 on the theoretical exam are considered unsuccessful. They are a candidate for the condition exam without making an internship recruitment and without entering the practical examination. The internship passing grade is calculated as the sum of 50% of the practical

examination grade and 50% of the theoretical examination grade, respectively, on the basis of both practical and theoretical examinations 60 and above.

### OBJECTIVES OF INTERNSHIP PROGRAM

1-Gaining the information and ability for diagnosing common and emergent neurological disease and treating this patient as first step considering National Core Training Program.

2-Providing students for investigation and applying profession in ethical standarts, providing empathy ability.

### LEARNING OBJECTIVES

At the end of the neurology internship program, phase V students can;

- 40) Take history from patients and their relatives
- 41) Evaluate general statement of patient
- 42) Do neurologic examination
- 43) Record and present history and sign of neurologic examination
- 44) Request and interpret results of basic laboratory tests and diagnose common and emergent neurological disease, treat this disease as a first step modality
- 45) Recognise emergent neurologic disease, dispatch critical patients to the second step centers providing their respiration and circulation supports
- 46) Communicate to patients and their relatives truely
- 47) Communicate to other hospital workers truely
- 48) Communicate to trainers truely
- 49) Understand the importance of a good communication to patient-doctor and doctor-doctor and provide skills for this

### NEUROLOGY INTERNSHIP LESSON PROGRAM

Disease-statement- symptom	Information level	Systems	Teaching Staff
Headache (2 hours)	DT-E-P-M	Nervous- Behaviour	Prof. Dr. Orhan DENİZ
Cerebrovascular Diseases (2 hours)	D-E-P-M	Nervous- Behaviour	Uzm. Dr. Hesna BEKTAŞ
Epilepsy and Status Epilepticus (2 hours)	preD-M/ DT-E-P	Nervous- Behaviour	Yrd. Doç. Dr. Şadiye GÜMÜŞYAYLA
Multipl Sclerosis and other demyelinating disease (2 hours)	preD	Nervous- Behaviour	Prof. Dr. Ömer ANLAR
Language Disorders	D	Nervous- Behaviour	Yrd. Doç. Dr. Gönül VURAL
Coma	E	Multisystem	Prof. Dr. Orhan DENİZ
Parkinson's Disease and Other Movement Disorder	preD	Nervous- Behaviour	Yrd. Doç. Dr. Şadiye GÜMÜŞYAYLA
Cognitive Disease (Dementia, Delirium)	D-E-P-M	Nervous- Behaviour	Uzm. Dr. Hesna BEKTAŞ
Peripheral nervous system diseases (2 hours)	preD	Nervous- Behaviour	Yrd. Doç. Dr. Gönül VURAL

Myopathies	preD	Nervous- Behaviour	Prof Dr. Tahir Kurtuluş YOLDAŞ
Neuromuscular junction disorders and cholinergic crisis (2 hours)	D-E	Nervous- Behaviour	Prof Dr. Tahir Kurtuluş YOLDAŞ
Spinal Cord Disease	preD	Nervous- Behaviour	Prof. Dr. Ömer ANLAR

### INTERNSHIP PROGRAM

1. DAY			
HOURL	ACTIVITY	TOPIC	TEACHING STAFF
08.30 - 09.20	Practical application		Orhan DENİZ
09.30 - 10.30	Practical application		Orhan DENİZ
10.30 - 11.00	Practical application		Ömer ANLAR
11.00 - 12.30	Practical application		Ömer ANLAR
<b>BREAK</b>			
13.30 - 14.20	Theoric lesson	Language Disorders	Gönül VURAL
14.30 - 15.20	Theoric lesson	Peripheral nervous system diseases	Gönül VURAL
15.30 - 16.20	Theoric lesson	Peripheral nervous system diseases	Gönül VURAL

2. DAY			
HOURL	ACTIVITY	TOPIC	TEACHING STAFF
09.00 - 11.00	Practical application	Neurological Examination	Gönül VURAL
<b>BREAK</b>			
13.30 - 14.20	Theoric lesson	Multipl Sclerosis and other demyelinating disease	Ömer ANLAR
14.30 - 15.20	Theoric lesson	Multipl Sclerosis and other demyelinating disease	Ömer ANLAR
15.30 - 16.20			

3. DAY			
HOURL	ACTIVITY	TOPIC	TEACHING STAFF
09.00 - 11.00	Practical application	Neurological Examination	Şadiye GÜMÜŞYAYLA
<b>BREAK</b>			
13.30 - 14.20	Theoric lesson	Headache	Orhan DENİZ
14.30 - 15.20	Theoric lesson	Headache	Orhan DENİZ
15.30 - 16.20			

<b>4. DAY</b>			
<b>HOURL</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>TEACHING STAFF</b>
08.30 - 09.30	Practical application		
09.30 - 10.30	Practical application		
10.30 - 11.00	Practical application		
11.00 - 12.30	Practical application		
<b>BREAK</b>			
13.30 - 14.20	Theoric lesson	Neuromuscular junction disorders and cholinergic crisis	Tahir Kurtuluş YOLDAŞ
14.30 - 15.20	Theoric lesson	Neuromuscular junction disorders and cholinergic crisis	Tahir Kurtuluş YOLDAŞ
15.30 - 16.20	Theoric lesson	Myopathies	Tahir Kurtuluş YOLDAŞ

<b>5. DAY</b>			
<b>HOURL</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>TEACHING STAFF</b>
09.00 - 11.00	Practical application	Neurological Examination	Hesna BEKTAŞ
<b>BREAK</b>			
13.30 - 14.20	Theoric lesson	Epilepsi ve Status Epileptikus	Şadiye GÜMÜŞYAYLA
14.30 - 15.20	Theoric lesson	Epilepsi ve Status Epileptikus	Şadiye GÜMÜŞYAYLA
15.30 - 16.20			

<b>6. DAY</b>			
<b>HOURL</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>TEACHING STAFF</b>
08.30 - 09.30	Practical application		Orhan DENİZ
09.30 - 10.30	Practical application		Orhan DENİZ
10.30 - 11.00	Practical application		Ömer ANLAR
11.00 - 12.30	Practical application		Ömer ANLAR
<b>BREAK</b>			
13.30 - 14.20	Theoric lesson	Cerebrovascular Diseases	Hesna BEKTAŞ
14.30 - 15.20	Theoric lesson	Cerebrovascular Diseases	Hesna BEKTAŞ
15.30 - 16.20			

<b>7. DAY</b>			
<b>HOURL</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>TEACHING STAFF</b>
09.00 - 11.00	Practical application	Neurological Examination	Gönül VURAL
<b>BREAK</b>			
13.30 - 14.20	Theoric lesson	Spinal Cord Disease	Ömer ANLAR
14.30 - 15.20			
15.30 - 16.20			

<b>8. DAY</b>			
<b>HOURL</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>TEACHING STAFF</b>
<b>09.00-11.00</b>	Practical application	Neurological Examination	Şadiye GÜMÜŞYAYLA
<b>BREAK</b>			
<b>13.30 - 14.20</b>	Theoric lesson	Coma	Orhan DENİZ
<b>14.30 - 15.20</b>	Theoric lesson	Cognitive Disease (Dementia, Delirium)	Hesna BEKTAŞ
<b>15.30 - 16.20</b>			

<b>9. DAY</b>			
<b>HOURL</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>TEACHING STAFF</b>
<b>09.00-11.00</b>	Practical application	Neurological Examination	Hesna BEKTAŞ
<b>BREAK</b>			
<b>13.30 - 14.20</b>	Theoric lesson	Parkinson's Disease and Other Movement Disorder	Şadiye GÜMÜŞYAYLA
<b>14.30 - 15.20</b>			
<b>15.30 - 16.20</b>			

<b>10. DAY</b>			
<b>HOURL</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>TEACHING STAFF</b>
<b>09.00-12.00</b>	<b>PRATICAL EXAM</b>		<b>All teaching staff</b>
<b>BREAK</b>			
<b>14.00-16.00</b>	<b>THEORICAL EXAM</b>		<b>All teaching staff</b>

### **RECOMMENDED BOOKS**

1. İstanbul Üniversitesi Tıp Fakültesi Nöroloji Kitabı.  
Emre Öge, Betül Baykan, Sara Zarko Bahar,
2. Adams and Victor's Principles of Neurology.  
Allan H Ropper, Robert H Brown. Çev Ed: Murat Emre.
3. Neurology in Clinical Practice.  
Walter G Bradley, Robert B Daroff. Çev Ed: Ersin Tan, Sevim Erdem Özdamar,
4. Meritt's Neurology  
Lewis P Rowland. Çev Ed: Barış Baslo, Candan Gürses
5. Dejong's The Neurologic Examination.  
William W Campbell. Çev Ed: Neşe Çelebisoy
6. Mosby's Color Atlas and Text of Neurology  
G David Perkin
7. Clinical Neurology  
Roger P Simon, David A Greenberg, Michael J Aminoff. Çev Ed: Rana Karabudak
8. Samuels's Manuel of Neurologic Therapeuticts  
Martin A Samuels, Allan H Ropper. Çev Ed: Levent E. İnan, Gülnihal Kutlu.
9. Nöroloji Ders Kitabı  
Korkut Yaltkaya, Sevin Balkan, Yurttaş Oğuz.
10. Temel Nöroloji  
John Gilroy. Çev Ed: Rana Karabudak

## **YILDIRIM BEYAZIT UNIVERSITY SCHOOL OF MEDICINE**

### **2016-2017 ACADEMIC YEAR**

#### **PHASE V – DEPARTMENT OF NEUROSURGERY CLERKSHIP PROGRAM**

##### **CLERKSHIP CONTENT**

Neurosurgery course is carried out in five days. Lectures on main neurosurgical topics are given and clinical practice is carried out by the academic staff.

Clerkship program will be applied 6 times in the 2016-2017 academic year.

##### **CLERKSHIP PLACE**

Theoretical lesson; Yıldırım Beyazıt University faculty of Health Science Bilcent Campus

Practical lessons; Ankara Atatürk Training and Research Hospital, Department of Neurosurgery

**Head of Department:** Prof. Dr. Murad Bavbek

**Clerkship coordinator:** .Asst. Prof. Ercan Bal

##### **PRELECTORS**

Prof. Dr. Murad Bavbek

Assoc.Prof. Ahmet Gürhan Gürçay

Assoc.Prof. Atilla Kazancı

Asst. Prof. Ercan Bal

Dr. Oktay Gürçan

##### **ASSESSMENT SYSTEM**

###### **Summative assessment**

Two evaluations are done at the end of the clerkship. First is written exam and second is oral exam

Written exam at the end of clerkship(50% of final score)

Structured oral exam at the end of clerkship(50% of final score): Oral exam is done with two or three prelectors.

According to final score , students are determine pass/fall..

##### **OBJECTIVES**

Considering the learning objectives specified in the National Core Training Program, the main aim of this course is to deliver the core knowledge of diseases related with neurosurgery, which are most commonly seen during daily medical practice, to the medical students. The learning outcomes are the minimal aim of this course. Planning the appropriate management strategy in emergency cases related with neurosurgery and understanding the importance, that correct decisions in these cases are life saving is another aim. Evaluation and making the differential diagnosis in patients with neurological symptoms is also aimed.

## LEARNING OBJECTIVES

- 1) Take medical history from patient and his/her relatives.
- 2) Evaluate general status of patients.
- 3) Makes correctly full neurological examination
- 4) Perform physical exams focused on complaints.
- 5) Record and present anamnesis and findings of physical exam.
- 6) Presents history and physical examination of patients
- 7) Defines emergency cases and neurosurgical intensive care cases and evaluates these patients
- 8) Can request the required tests in the first stage of patient according the medical history and physical examination findings, interpret the results. Diagnose and preliminary diagnose the common and urgency neurosurgical disease that may require neurosurgical intervention and may treat the primary level
- 9) Defines main concepts of head and spine injuries and performs the first evaluation, plans the appropriate transportation of the patient
- 10) Communicates healthily with patient and their relatives
- 11) Communicates healthily with other medical staffs
- 12) Communicates healthily with prelectors
- 13) Understands the importance of establishing good patient-doctor and doctor-doctor communication and improves these skills.

## DEPARTMENT OF NEUROSURGERY CLERKSHIP PROGRAM

<b>Disease-stage-symptom</b>	<b>The degree of information</b>	<b>Systems</b>	<b>Prelector</b>
Increased intracranial pressure	A-ÖT	Nervous system	Asst.Prof. Ercan Bal
Head traumas	A, ÖT	Nervous system	Asst.Prof. Ercan Bal
Intracranial tumour	ÖT	Nervous system	Prof. Dr. Murad Bavbek
Cerebrovascular disease	ÖT	Nervous system	Assoc. Prof. Atilla Kazancı
Non-traumatic spine problems	ÖT,K	Nervous system	Prof.Dr. Murad Bavbek
Spine trauma	A, ÖT	Multisystem	Assoc. Prof. Ahmet Gürhan Gürçay
Pediatric neurosurgery	A, ÖT, T, K	Multisystem	Asst. Prof. Ercan Bal
Functional neurosurgery	ÖT	Nervous system	Asst. Prof. Ercan Bal
Peripheral nerve entrapment and injury	ÖT	Nervous system	Asst. Prof. Ercan Bal

## CLERKSHIP PROGRAM

1 <sup>st</sup> day			
TIME	ACTIVITY	SUBJECT	PRELECTOR
08.30 - 09.20	Grand Visit		
09.30 - 10.30		Inreased intracranial pressure	Asst.Prof. Ercan Bal
10.30 - 11.00		Head trauma	Asst.Prof. Ercan Bal
11.00 - 12.00		Spine trauma	Assoc. Prof. Ahmet Gürhan Gürçay
<b>ÖĞLE TATİLİ</b>			
13.30 - 14.20	Practice		
14.30 - 15.20	Practice		
15.30 - 16.20	Practice		

2 <sup>nd</sup> day			
TIME	ACTIVITY	SUBJECT	PRELECTOR
08.30 - 09.30	Grand visit		
09.30 - 10.30		Pediatic neurosurgery	Asst. Prof. Ercan Bal
10.30 - 11.00		Functional neurosurgery	Asst.Prof. Ercan Bal
11.00 - 12.00			
<b>ÖĞLE TATİLİ</b>			
13.30 - 14.20	Practice		
14.30 - 15.20	Practice		
15.30 - 16.20	Practice		

3 <sup>rd</sup> day			
TIME	ACTIVITY	SUBJECT	PRELECTOR
08.30 - 09.30	Grand visit		
09.30 - 10.30	Lecture	Non-traumatic spine problems	Prof.Dr. Murad Bavbek
10.30 - 11.00	Lecture	Intracranial tumors	Prof.Dr. Murad Bavbek
11.00 - 12.00			
<b>ÖĞLE TATİLİ</b>			
13.30 - 14.20	Practice		
14.30 - 15.20	Practice		
15.30 - 16.20	Practice		

4 <sup>th</sup> day			
TIME	ACTIVITY	SUBJECT	PRELECTOR
08.30 - 09.30	Grand visit		
09.30 - 10.30		Cerebrovascular disease surgery	Assoc.Prof. Atilla Kazancı
10.30 - 11.00		Peripheral nerve entrapment and injury	Asst. Prof. Ercan Bal
11.00 - 12.00			
<b>ÖĞLE TATİLİ</b>			
13.30 - 14.20	Practice		
14.30 - 15.20	Practice		
15.30 - 16.20	Practice		

5 <sup>th</sup> day			
TIME	ACTIVITY	SUBJECT	PRELECTOR
08.30 - 09.30			
09.30 - 10.30	<b>EXAMINATION</b>		<b>All</b>
10.30 - 11.00			
11.00 - 12.00			
<b>ÖĞLE TATİLİ</b>			
13.30 - 14.20			
14.30 - 15.20			
15.30 - 16.20			

## **RECOMMENDED BOOKS**

- 1- Handbook of Neurosurgery-Mark S. Greenberg
- 2- Neurological Surgery- Youmans and Winn
- 3- Microneurosurgery-M.G. Yaşargil
- 4- Temel Nöroşirürji-Türk Nöroşirürji Derneği yayınları
- 5- Omurga ve Omirilik Cerrahisi- M. Zileli-F. Özer
- 6- Correlative Neuroanatomy-Stephen W.Waxman
- 7- Clinical neuroanatomy-Richard S.Snell
- 8- Practical Handbook of Neurosurgery-Marc Sindou
- 9- Nörology and Neurosurgery Illustrated-Kenneth W.Lindsay- Ian Bone
- 10- Functional Neuroanatomy-Adel K. Afifi- Ronald A-Bergman

## 2017-2018 EDUCATION AND ACADEMIC YEAR

### 5<sup>th</sup> year – Orthopedics and Traumatology Clinical Rotation

#### Introduction to Clinical Rotation

#### Rotation duration

10 business days,

The rotations program will be applied 3 times for the Turkish program, 3 times for the English program and 6 times in total.

#### Tutors

The rotation's theoretical classes will be held at the 'Bilkent Sağlık Bilimleri' building.

Practical classes will be held at the Ankara Atatürk Research and Education Hospital Department of Orthopedics and Traumatology – Inpatient clinic, outpatient clinic, surgery theatre and clinical practice rooms (cast room, etc.).

**Department Chief:** Prof. Dr. Nihat TOSUN

**Clinical Rotation Supervisors:** Prof. Dr. Nihat TOSUN

Assoc. Prof.Dr. Çetin IŞIK

#### Tutors

Prof. Dr. Metin DOĞAN

Prof. Dr. Murat BOZKURT

Prof. Dr. Mehmet İsmail Safa KAPICIOĞLU

Prof. Dr. Nihat TOSUN

Prof. Dr. Cem Nuri AKTEKİN

Prof. Mahmut UĞURLU

Assoc. Prof. Mahmut Nedim AYTEKİN

Assoc. Prof.Dr. Çetin IŞIK

Assist. Prof.Dr. Mehmet Atıf Erol AKSEKİLİ

#### Measuring and evaluation

The students will be evaluated with an oral exam at the end of the clinical rotation

Oral exam: a jury composed of three tutors will evaluate the student's knowledge and ability to record medical history, to perform a physical examination, to do a differential diagnosis and to arrange a treatment.

The student's success or failure will be decided according to the final score of the oral exam.

#### Purposes of the rotation

Students who succeed in the clinical rotation should:

1. Be knowledge on the etiopathogenesis, clinical – radiological – laboratory findings, diagnosis and fundamental therapy methods of orthopedics diseases
2. Be able to perform primary-care-level orthopedic application
3. Be able to perform first aid interventions on orthopedic urgencies or to arrange for their safe transportation by taking the adequate safety measures
4. Show and apply developed academic skills, professional discipline and ethical behavior.

### **Educational aim**

Fifth year medical students who complete the Orthopedic and Traumatology clinical rotation should:

1. Be able to take medical history from patients or their relatives (if the patient is a child)
2. Be able to perform proper orthopedic physical examination on patients of all ages (babies, children, adults, elderly)
3. Be able to interpret their physical examination findings, accordingly decide on the needed laboratory and radiological studies, perform a differential diagnosis, diagnose a patient and finally arrange for a primary-care-level treatment
4. Be able to perform fundamental first aid orthopedic intervention and arrange for patient transportation
5. Be able to healthily communicate with patients, their relatives, the hospital's personnel and their tutors.
6. Be acquainted with surgical discipline and to understand its importance

<b>Disease/Condition/Symptom</b>	<b>Knowledge level</b>	<b>System</b>	<b>Tutor</b>
<b>Orthopedic terminology: Cast/Splint/Traction</b>	T	Muscle-Skeleton	
<b>Approach to trauma and polytraumatized patient</b>	T-A	Muscle-Skeleton	
<b>Fracture diagnosis, treatment, complications and bone union</b>	TT-K-A	Muscle-Skeleton	
<b>Dislocation diagnosis, treatment and complications</b>	TT-K-A	Muscle-Skeleton	
<b>Pediatric fracture diagnosis, treatment and complications</b>	TT-K-A	Muscle-Skeleton	
<b>Upper limb fractures</b>	TT-A-K	Muscle-Skeleton	
<b>Pelvic and hip fractures</b>	TT-A-K	Muscle-Skeleton	
<b>Lower limb fractures</b>	TT-K-A	Muscle-Skeleton	
<b>Open fractures and compartment syndrome</b>	T-K-A	Muscle-Skeleton	
<b>Vertebral injuries</b>	T	Muscle-Skeleton	
<b>Congenital deformities: PEV, Torticollis, Limb deformities</b>	T-K	Muscle-Skeleton	
<b>Other foot deformities: Pes Planus, Vertical Talus, Pes Cavus, Metatarsus Varus-Adductus</b>	T-K	Muscle-Skeleton	
<b>Scoliosis and postural disorders</b>	T-K	Muscle-Skeleton	
<b>Developmental hip dysplasia</b>	T-K	Muscle-Skeleton	

<b>Osteonecrosis and Legg-Calve-Perthes Disease</b>	ÖnT-K	Muscle-Skeleton	
<b>Neurologic diseases: Polio, cerebral palsy</b>	T-K	Muscle-Skeleton	
<b>Septic arthritis, osteomyelitis, anaerobic infections and other bone-joint infections</b>	TT-K-A	Muscle-Skeleton	
<b>Benign bone tumors</b>	önT	Muscle-Skeleton	
<b>Malign bone tumors</b>	önT	Muscle-Skeleton	
<b>Metastatic bone tumors</b>	önT	Muscle-Skeleton	
<b>Metabolic bone diseases</b>	TT-K	Muscle-Skeleton	
<b>Meniscus injuries</b>	T-K	Muscle-Skeleton	
<b>Arthrosis and its surgical (Arthroplasty)</b>	TT-K	Muscle-Skeleton	
<b>Hand injuries, digital deformities, Dupuytren contracture</b>	T	Muscle-Skeleton	
<b>Entrapment neuropathy</b>	ÖnT-K	Muscle-Skeleton	
<b>Labor trauma and obstetric brachial plexus palsy</b>	T-K	Muscle-Skeleton	
<b>Knee ligament injuries</b>	T-K	Muscle-Skeleton	
<b>Chondral injury and treatment</b>	T-K	Muscle-Skeleton	
<b>Osteoporosis</b>	TT-K	Muscle-Skeleton	

### ROTATION PROGRAM

<b>DAY 1</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>LECTURER</b>
<b>07.30 -09.50</b>	<b>Morning clinical rotation and Rotation introduction</b>		
<b>10.00 - 10.50</b>	<b>Theoretic lesson</b>	<b>Injuries of the knee ligaments, Pelvic and hip fractures</b>	Mahmut Uğurlu
<b>11.00 - 11.50</b>	<b>Theoretic lesson</b>	<b>Septic arthritis, Osteomyelitis, Poliomyelitis, Cerebral palsy</b>	Mahmut Uğurlu
<b>LUNCH BREAK</b>			
<b>13.30 - 16.20</b>	<b>Practical education, Polyclinics and Operating Theatre experience</b>		

<b>DAY 2</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>LECTURER</b>
<b>07.30 - 09.50</b>	<b>Morning clinical rotation, Clinical educational topics, Presentations</b>		
<b>10.00 - 10.50</b>	<b>Theoretic lesson</b>	<b>Upper extremity fractures</b>	Cem Nuri Aktekin
<b>11.00 - 11.50</b>	<b>Theoretic lesson</b>	<b>Pediatric fractures and Entrapment neuropathies</b>	Cem Nuri Aktekin
<b>LUNCH BREAK</b>			
<b>13.30 - 16.20</b>	<b>Practical education, Polyclinics and Operating Theatre experience</b>		

<b>DAY 3</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>LECTURER</b>
<b>07.30 - 09.50</b>	<b>Morning clinical rotation, Clinical educational topics, Presentations</b>		
<b>10.00 - 10.50</b>	<b>Theoretic lesson</b>	<b>Dislocations, Introduction to bone and soft tissue tumors</b>	Mahmut Nedim Aytekin
<b>11.00 - 11.50</b>	<b>Theoretic lesson</b>	<b>Benign, Malign and Metastatic bone tumors</b>	Mahmut Nedim Aytekin
<b>LUNCH BREAK</b>			
<b>13.30 - 16.20</b>	<b>Practical education, Polyclinics and Operating Theatre experience</b>		

<b>DAY 4</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>LECTURER</b>
<b>07.30 - 09.50</b>	<b>Morning clinical rotation, Clinical educational topics, Presentations</b>		
<b>10.00- 10.50</b>	<b>Theoretic lesson</b>	<b>Scoliosis and Vertebral injuries</b>	Mehmet Atif Erol Aksekili
<b>11.00 -11.50</b>	<b>Theoretic lesson</b>	<b>Orthopedic examinations - Radiology and Lower extremity fractures</b>	Mehmet Atif Erol Aksekili
<b>LUNCH BREAK</b>			
<b>13.30 - 16.20</b>	<b>Practical education, Polyclinics and Operating Theatre experience</b>		

<b>DAY 5</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>LECTURER</b>
<b>07.30 - 09.50</b>	<b>Morning clinical rotation, Clinical educational topics, Presentations</b>		
<b>10.00 - 10.50</b>	<b>Theoretic lesson</b>	<b>Orthopedic terminology: Cast/Splint/Traction, Fracture healing</b>	Çetin Işık
<b>11.00 - 11.50</b>	<b>Theoretic lesson</b>	<b>Chondral lesions and healing</b>	Çetin Işık
<b>LUNCH BREAK</b>			
<b>13.30 - 16.20</b>	<b>Practical education, Polyclinics and Operating Theatre experience</b>		

<b>DAY 6</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>LECTURER</b>
<b>07.30 - 09.00</b>	<b>Morning clinical rotation, Clinical educational topics, Presentations</b>		
<b>10.00 - 10.50</b>	<b>Theoretic lesson</b>	<b>Open fracture and Compartment Syndrome</b>	Nihat Tosun
<b>11.00- 11.50</b>	<b>Theoretic lesson</b>	<b>Meniscus injuries and general knowledge on arthroscopy</b>	Nihat Tosun
<b>LUNCH BREAK</b>			
<b>13.30 - 16.20</b>	<b>Practical education, Policlinics and Operating Theatre experience</b>		

<b>DAY 7</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>LECTURER</b>
<b>07.30 - 09.50</b>	<b>Morning clinical rotation, Clinical educational topics, Presentations</b>		
<b>10.00- 10.50</b>	<b>Theoretic lesson</b>	<b>Cases of orthopedic and traumatology</b>	Uygun Öğretim Görevlisi
<b>11.00 - 11.50</b>	<b>Theoretic lesson</b>	<b>Cases of orthopedic and traumatology</b>	Uygun Öğretim Görevlisi
<b>LUNCH BREAK</b>			
<b>13.30 - 16.20</b>	<b>Practical education, Policlinics and Operating Theatre experience</b>		

<b>DAY 8</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>LECTURER</b>
<b>07.30 - 09.50</b>	<b>Morning clinical rotation, Clinical educational topics, Presentations</b>		
<b>10.00 - 10.50</b>	<b>Theoretic lesson</b>	<b>Arthritis and surgical interventions (Arthroplasty)</b>	Murat Bozkurt
<b>11.00 - 11.50</b>	<b>Theoretic lesson</b>	<b>Histology of bone tissue, Bone - joint biomechanics and osteoporosis</b>	Murat Bozkurt
<b>LUNCH BREAK</b>			
<b>13.30 - 16.20</b>	<b>Practical education, Policlinics and Operating Theatre experience</b>		

<b>DAY 9</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>LECTURER</b>
<b>07.30 - 09.50</b>	<b>Morning clinical rotation, Clinical educational topics, Presentations</b>		
<b>10.00 - 10.50</b>	<b>Theoretic lesson</b>	<b>Legg-Calve-Perthes Disease</b>	Metin Doğan
<b>11.00 - 11.50</b>	<b>Theoretic lesson</b>	<b>Developmental Hip Dysplasia PEV</b>	Metin Doğan
<b>LUNCH BREAK</b>			
<b>13.30 - 16.20</b>	<b>Practical education, Policlinics and Operating Theatre experience</b>		

<b>DAY 10</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>LECTURER</b>
<b>08.30 - 12.20</b>	<b>ORAL EXAM</b>		<b>ALL LECTURERS</b>

## **RECOMMENDED BOOKS**

- 1-**Miller Review of Orthopaedics 7th ed
- 2-** Campbell's Operative Orthopaedics,13th Edition
- 3-** Tachdjian's Pediatric Orthopaedics
- 4-** Handbook of Fractures 5th edition, Kenneth A. Egol, Kenneth J. Koval, and Joseph D. Zuckerman
- 5-** Surgical Exposures in Orthopaedics: The Anatomic Approach (Hoppenfeld, Surgical Exposures in Orthopaedics)
- 6-** Rockwood and Green's Fractures in Adults. Robert w.Bucholz MD

## 2017-2018 ACADEMIC YEAR

### CLASS V – PLASTIC, RECONSTRUCTIVE AND AESTHETIC SURGERY INTERNSHIP

#### DESCRIPTION OF INTERNSHIP

##### PRACTICING TIME

5 Business days

The internship program will be practiced 3 times for Turkish group and 3 times for English group.

##### TRAINING LOCATION

Internship theoretical lessons will be held at Bilkent Health Sciences building of our university.

Internship practical lessons will be held at Ankara Ataturk Training and Research Hospital, Plastic Reconstructive and Aesthetic Surgery clinic, OR and outpatient clinic.

**Head of Department:** Prof. Dr. M. Erol DEMİR SEREN

**Internship Executive:** Ass.Prof. Dr. M. Raşid TOKSÖZ

##### TRAINING INSTRUCTORS:

Prof. Dr. M. Erol DEMİR SEREN

Prof. Dr. Ali Teoman TELLİ OĞLU

Ass.Prof. Dr. M. Raşid TOKSÖZ

##### QUANTIFICATION AND CONSIDERATION

At the end intern is evaluated by one method.

Oral Exam: The exam jury consists of two or three faculty members. Students' taking medical history, physical examination, diagnosis and treatment abilities are evaluated.

According to the student's status exam pass / fail is determined.

##### OBJECTIVES OF TRAINING

10. Considering the National Core Education Program learning objectives, gaining the information and skill of making the diagnosis of major diseases of plastic surgery, and treating these diseases at primary care level and in emergency.
11. To raise physicians having the investigator and interrogator features, applying profession ethically, approaching the patient and family holistically, and can empathize them.

## LEARNING OBJECTIVES

At the end of Plastic, Reconstructive and Aesthetic Surgery internship, Class V students;

- 50) Question the patient's general health status and the health status concerning the plastic surgery
- 51) Differentiate the diseases in scope of plastic surgery.
- 52) Question the patient and/or kins of the patient.
- 53) Communicate with the patient and the kins of them in a proper way.
- 54) Establish proper communication with trainers and clinical physicians.
- 55) Understand the importance of multidisciplinary approach.
- 56) Improve own empathy ability.
- 57) Establish appropriate communication with the staff of the hospital where they work together.
- 58) Determine the right approach for the diagnosis and the treatment of acute and chronic wounds.
- 59) Diagnose and determine the treatment for acute burn in primary care.
- 60) Diagnose cleft lip & palate and informs the family
- 61) Diagnose congenital cranial and hand anomalies.
- 62) Evaluate the urgent patients of plastic surgery at the first stage.

### PLASTIC SURGERY STAGE PROGRAM

DAY 1			
HOURS	ACTIVITY	SUBJECT	LECTURER
08.30 - 09.20	Theoretical Lesson	Introduction to Plastic Surgery	Prof. Dr. Ali Teoman TELLİOĞLU
09.30 - 10.30	Theoretical Lesson	Wound Healing	Prof. Dr. M. Erol DEMİR SEREN
10.30 - 11.00	Individual Study		
11.00 - 12.00	Theoretical Lesson	Flaps & Grafts	Prof. Dr. M. Erol DEMİR SEREN
LUNCH BREAK			
13.30 - 14.20	Theoretical Lesson	Congenital Anomalies of the Hand	Ass. Prof. Dr. M. Raşid TOKSÖZ
14.30 - 15.20	Theoretical Lesson	Hand Injuries	Prof. Dr. M. Erol DEMİR SEREN
15.30 - 16.20	Clinic Practice	Outpatient Clinic	

DAY 2			
HOURS	ACTIVITY	SUBJECT	LECTURER
08.30 - 09.30	Theoretical Lesson	Breast Reconstruction	Prof. Dr. Ali Teoman TELLİOĞLU
09.30 - 10.30	Theoretical Lesson	Pressure Sores & Leg Ulcers	Prof. Dr. M. Erol DEMİR SEREN
10.30 - 11.00	Individual Study		
11.00 - 12.00	Clinic Practice	Outpatient Clinic	
LUNCH BREAK			
13.30 - 14.20	Clinic Practice	Outpatient Clinic	
14.30 - 15.20	Clinic Practice	Outpatient Clinic	
15.30 - 16.20	Clinic Practice	Outpatient Clinic	

DAY 3			
HOURS	ACTIVITY	SUBJECT	LECTURER
08.30 - 09.30	Theoretical Lesson	Cleft Lip-Palate & Craniosynostosis	Ass. Prof. Dr. M. Raşid TOKSÖZ

<b>09.30 - 10.30</b>	Theoretical Lesson	Maxillofacial Traumas	Prof. Dr. Ali Teoman TELLİOĞLU
<b>10.30 - 11.00</b>	Individual Study		
<b>11.00 - 12.00</b>	Theoretical Lesson	Skin Tumors	Ass. Prof. Dr. M. Raşid TOKSÖZ
<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	Theoretical Lesson	Burns	Ass. Prof. Dr. M. Raşid TOKSÖZ
<b>14.30 - 15.20</b>	Theoretical Lesson	Aesthetic Surgery	Prof. Dr. Ali Teoman TELLİOĞLU
<b>15.30 - 16.20</b>	Clinic Practice	Outpatient Clinic	

<b>DAY 4</b>			
<b>HOURS</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
<b>08.30 - 09.30</b>	Clinic Practice	Operating Room Practice	
<b>09.30 - 10.30</b>	Clinic Practice	Operating Room Practice	
<b>10.30 - 11.00</b>	Clinic Practice	Operating Room Practice	
<b>11.00 - 12.00</b>	Clinic Practice	Operating Room Practice	
<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	Clinic Practice	Outpatient Clinic	
<b>14.30 - 15.20</b>	Clinic Practice	Outpatient Clinic	
<b>15.30 - 16.20</b>	Clinic Practice	Outpatient Clinic	

<b>DAY 5</b>			
<b>HOURS</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
<b>08.30 - 12.00</b>	<b>ORAL EXAM</b>		Prof. Dr. Ali Teoman TELLİOĞLU Prof. Dr. M. Erol DEMİR SEREN Ass. Prof. Dr. M. Raşid TOKSÖZ

RECOMMENDED REFERENCES:

1. Plastik Cerrahinin Temelleri , Figen Özgür, Mert Çalış (Çeviri Editörleri), Pelikan Yayınları, 2016
2. Stone Plastik Cerrahide Güncel Bilgiler , Nebil Yeşiloğlu (Çeviri Editörü), Sevil Yayınları, 2014
3. Plastic Surgery, 3rd Edition, Peter C. Neligan, Elsevier, 2012
4. Mathes Plastic Surgery 2nd Edition, Saunders-Elsevier, 2006
5. An Atlas of Flaps of the Musculoskeletal System, AC Masquelet, A Gilbert, Martin Dunitz, 2003
6. Principles and Practice of Pediatric Plastic Surgery, ML Bentz, BS Bauer, Quality Medical Publishing, 2008
7. Reconstructive Surgery, Principles Anatomy Technique, SJ Mathes, F Nahai, Quality Medical Publishing & Churchill Livingstone, 2001

**2016-2017 ACADEMIC YEAR**  
**5th GRADE – PSYCHIATRY DEPARTMENT**  
**INTRODUCTION TO INTERNSHIP**

**INTERNSHIP DURATION**

10 working days,  
Internship program will be held 6 times annually.

**ACADEMIC LOCATIONS**

Internship Theory lectures; YBU Bilkent Health Science building.  
Internship Practice lectures; Ankara Atatürk Research and Training hospital, department of psychiatry (service and polyclinics)

**Head of department:** Prof. Dr. Ali ÇAYKÖYLÜ  
**Internship supervisor:** Ass. Prof. Serdar Süleyman CAN

**ACADEMIC STAFF**

Prof. Dr. Ali ÇAYKÖYLÜ  
Ass. Prof. Semra ULUSOY KAYMAK  
Ass. Prof. Görkem KARAKAŞ UĞURLU  
Ass. Prof. Serdar Süleyman CAN  
Ass. Prof. Murat İlhan ATAGÜN

**ASSESSMENT AND EVALUATION**

Students will be evaluated according to the following 2 criteriae;

1. Praticce and Viva Exam: The examination will be held by two academics who will evaluate the students' ability to take anamnesis and do psychiatric examination, differential diagnosis and treatment planning.
2. Written Exam: The questions will be multiple choices, open ended, true-false and complete the sentences. Their aim is to measure the level of students' knowledge.

Each exam will have 50% weightage. The students will be declared passed or failed according to their mark.

**INTERNSHIP AIMS**

1. The teaching program follows the National Core Educational Program, which includes; pre-diagnosis, diagnosis and initial treatment of the commonly seen and emergent basic psychiatric diseases.
2. The aim of this internship is to give doctors the education to be a good researcher, interrogator and also empathic towards patients and their relatives.

**TEACHİNG AIMS**

At the end of the psychiatry internship, 5th grade students;

1. Can take anamnesis from the patients and their relatives.
2. Can evaluate the patients situation.
3. Can do the psychiatric examination according to the patient.
4. Can do the examination and evaluate the results.
5. Should record and present the patient's anamnesis and mental status.
6. Should put differential diagnosis according to anamnesis, mental status and tests (brain imaging, EEG, rutine lab tests, ECG etc.). They should be able to intervene as a primary health care doctor.
7. Should learn how to do differential diagnosis related to psychiatric emergencies, acute treatment and transfer the patient when neccessary.
8. Should build healthy communication with patients and their relatives.
9. Should build healthy communication with other health care workers.
10. Should build healthy communication with academic staff.

11. Should emphasize the importance of a good patient-doctor and doctor-doctor communication.

### LECTURE PROGRAMME OF PSYCHIATRIC DEPARTMENT

	Prof. Dr. Ali ÇAYKÖYLÜ	
1	Introduction to Psychiatry- Signs and Symptoms	2 classes
2	Obsessive compulsive disorder and dissociative identity disorder	2 classes
3	Somatic symptom disorder	2 classes
4	Somatic treatment	1 class

	Ass. Prof. Semra ULUSOY KAYMAK	
1	Schizophrenia and other psychotic disorders	2 classes
2	Psychopharmacology of antipsychotic drugs	1 class
3	Psychotherapies	1 class

	Ass. Prof. Görkem KARAKAŞ UĞURLU	
1	Psychiatric examination	1 class
2	Sexual dysfunction	1 class
3	Eating Disorders	1 class
4	Sleep Disorders	1 class
5	Psychiatric emergencies and suicide	1 class
6	Alcohol and substance use Disorder	2 classes

	Ass. Prof. Murat İlhan ATAGÜN	
1	Depressive disorder and grief	2 classes
2	Mood disorder and bipolar disorder	2 classes
3	Mood stabilizers and antidepressants	3 classes

	Ass. Prof. Serdar Süleyman CAN	
1	Neurocognitive disorders	2 classes
2	Anxiety disorders and ADHD	2 classes
	Psychopharmacology of anxiolytics	1 class
	Trauma and Stressor related disorders	1 class
3	Personality Disorders	1 class

Note: Clinical practice will be held in the morning, which will include; direct interaction with patient, visit, follow-up, psychiatric examination and evaluation of the patient. Students must attend the classes on the period given by the head of Psychiatry department.

Disease-Status-Symptom	Information level	System/s	Academic staff
Sexual dysfunction	ÖnT	Nervous-Behaviour	Ass. Prof. Görkem Karakaş Uğurlu
Eating Disorders	ÖnT, K	Nervous-Behaviour	Ass. Prof. Görkem Karakaş Uğurlu

Sleep Disorders	ÖnT	Nervous-Behaviour	Ass. Prof. Görkem Karakaş Uğurlu
Psychiatric emergencies and suicide	A,ÖnT,K	Nervous-Behaviour	Ass. Prof. Görkem Karakaş Uğurlu
Alcohol and substance use Disorder	ÖnT,K	Nervous-Behaviour	Ass. Prof. Görkem Karakaş Uğurlu
Obsessive compulsive disorder	ÖnT	Nervous-Behaviour	Prof.Dr. Ali Çayköylü
Somatic symptom disorder	T	Nervous-Behaviour	Prof.Dr. Ali Çayköylü
Schizophrenia and other psychotic disorders	ÖnT, A, K	Nervous-Behaviour	Ass. Prof. Semra Ulusoy Kaymak
Dissociative identity disorder	ÖnT	Nervous-Behaviour	Prof.Dr. Ali Çayköylü
Depressive disorder	T, A, K	Nervous-Behaviour	Ass. Prof. Murat İlhan Atagün
Mood disorders	ÖnT, A	Nervous-Behaviour	Ass. Prof. Murat İlhan Atagün
Neurocognitive disorders	ÖnT, K	Nervous-Behaviour	Ass. Prof. Serdar Süleyman Can
Anxiety Disorders	ÖnT, A, K	Nervous-Behaviour	Ass. Prof. Serdar Süleyman Can
Personality Disorders	ÖnT, A, K	Nervous-Behaviour	Ass. Prof. Serdar Süleyman Can

### INTERNSHIP PROGRAM

<b>DAY 1</b>			
<b>TIME</b>	<b>PROGRAM</b>	<b>SUBJECT</b>	<b>ACADEMIC STAFF</b>
<b>08.30 - 09.20</b>	Theory Class	Introduction to Psychiatry- Signs and Symptoms	Prof. Dr. Ali Çayköylü
<b>09.30 - 10.20</b>	Theory Class	Introduction to Psychiatry- Signs and Symptoms	Prof. Dr. Ali Çayköylü
<b>10.30 - 11.20</b>	Theory Class	Psychiatric examination	Ass. Prof. Görkem Karakaş Uğurlu
<b>11.30 - 12.20</b>	Theory Class	Psychiatric examination	Ass. Prof. Görkem Karakaş Uğurlu
<b>LUNCH BREAK</b>			

<b>13.30 - 14.20</b>	Practice Class	Practical education with patients	Prof. Dr. Ali Çayköylü
<b>14.30 - 15.20</b>	Practice Class	Practical education with patients	Prof. Dr. Ali Çayköylü
<b>15.30 - 16.20</b>	Practice Class	Practical education with patients	Prof. Dr. Ali Çayköylü

<b>DAY 2</b>			
<b>TIME</b>	<b>PROGRAM</b>	<b>SUBJECT</b>	<b>ACADEMIC STAFF</b>
<b>08.30 - 09.20</b>	Practice Class	Practical education with patients	Ass. Prof. Murat İlhan Atagün
<b>09.30 - 10.20</b>	Practice Class	Practical education with patients	Ass. Prof. Murat İlhan Atagün
<b>10.30 - 11.20</b>	Theory Class	Depressive disorders and grief	Ass. Prof. Murat İlhan Atagün
<b>11.30 - 12.20</b>	Theory Class	Depressive disorders and grief	Ass. Prof. Murat İlhan Atagün
<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	Theory Class	Mood disorder and bipolar disorder	Ass. Prof. Murat İlhan Atagün
<b>14.30 - 15.20</b>	Theory Class	Mood disorder and bipolar disorder	Ass. Prof. Murat İlhan Atagün
<b>15.30 - 16.20</b>	Theory Class	Practical education with patients	Ass. Prof. Murat İlhan Atagün

<b>DAY 3</b>			
<b>TIME</b>	<b>PROGRAM</b>	<b>SUBJECT</b>	<b>ACADEMIC STAFF</b>
<b>08.30 - 09.20</b>	Practice Class	Practical education with patients	Ass. Prof. Serdar Süleyman Can
<b>09.30 - 10.20</b>	Practice Class	Practical education with patients	Ass. Prof. Serdar Süleyman Can
<b>10.30 - 11.20</b>	Theory Class	Anxiety disorders and ADHD	Ass. Prof. Serdar Süleyman Can
<b>11.30 - 12.20</b>	Theory Class	Anxiety disorders and ADHD	Ass. Prof. Serdar Süleyman Can
<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	Theory Class	Psychopharmacology of anxiolytics	Ass. Prof. Serdar Süleyman Can
<b>14.30 - 15.20</b>	Theory Class	Trauma and Stressor related disorders	Ass. Prof. Serdar Süleyman Can
<b>15.30 - 16.20</b>	Theory Class	Personality disorders	Ass. Prof. Serdar Süleyman Can

<b>DAY 4</b>			
<b>TIME</b>	<b>PROGRAM</b>	<b>SUBJECT</b>	<b>ACADEMIC STAFF</b>
08.30 - 09.20	Practice Class	Practical education with patients	Ass. Prof.Görkem Karakaş Uğurlu
09.30 - 10.20	Practice Class	Practical education with patients	Ass. Prof.Görkem Karakaş Uğurlu
10.30 - 11.20	Theory Class	Alcohol and substance use Disorder	Ass. Prof.Görkem Karakaş Uğurlu
11.30 - 12.20	Theory Class	Alcohol and substance use Disorder	Ass. Prof.Görkem Karakaş Uğurlu
<b>LUNCH BREAK</b>			
13.30 - 14.20	Theory Class	Sexual dysfunctions	Ass. Prof.Görkem Karakaş Uğurlu
14.30 - 15.20	Theory Class	Eating disorders	Ass. Prof.Görkem Karakaş Uğurlu
15.30 – 16.20	Theory Class	Sleep disorders	Ass. Prof.Görkem Karakaş Uğurlu

<b>DAY 5</b>			
<b>TIME</b>	<b>PROGRAM</b>	<b>SUBJECT</b>	<b>ACADEMIC STAFF</b>
08.30 - 09.20	Practice Class	Practical education with patients	Ass. Prof.Semra Ulusoy Kaymak
09.30 - 10.20	Practice Class	Practical education with patients	Ass. Prof.Semra Ulusoy Kaymak
10.30 - 11.20	Theory Class	Practical education with patients	Ass. Prof.Semra Ulusoy Kaymak
11.30 - 12.20	Theory Class	Schizophrenia and other psychotic disorders	Ass. Prof.Semra Ulusoy Kaymak
<b>LUNCH BREAK</b>			
13.30 - 14.20	Practice Class	Schizophrenia and other psychotic disorders	Ass. Prof.Semra Ulusoy Kaymak
14.30 - 15.20	Practice Class	Psychopharmacology of antipsychotic drugs	Ass. Prof.Semra Ulusoy Kaymak
15.30 – 16.20	Practice Class	Psychotherapies	Ass. Prof.Semra Ulusoy Kaymak

<b>DAY 6</b>			
<b>TIME</b>	<b>PROGRAM</b>	<b>SUBJECT</b>	<b>ACADEMIC STAFF</b>
08.30 - 09.20	Practice Class	Practical education with patients	Prof.Dr. Ali Çayköylü
09.30 - 10.20	Practice Class	Practical education with patients	Prof.Dr. Ali Çayköylü
10.30 - 11.20	Theory Class	Obsessive compulsive disorder and dissociative identity disorder	Prof.Dr. Ali Çayköylü
11.30 - 12.20	Theory Class	Obsessive compulsive disorder and dissociative identity disorder	Prof.Dr. Ali Çayköylü
<b>LUNCH BREAK</b>			
13.30 - 14.20	Theory Class	Somatic symptom disorder	Prof.Dr. Ali Çayköylü

<b>14.30 - 15.20</b>	Theory Class	Somatic symptom disorder	Prof.Dr. Ali Çayköylü
<b>15.30 – 16.20</b>	Theory Class	Somatic treatment	Prof.Dr. Ali Çayköylü

<b>DAY 7</b>			
<b>TIME</b>	<b>PROGRAM</b>	<b>SUBJECT</b>	<b>ACADEMIC STAFF</b>
<b>08.30 - 09.20</b>	Practice Class	Practical education with patients	Ass. Prof. Murat İlhan Atagün
<b>09.30 - 10.20</b>	Practice Class	Practical education with patients	Ass. Prof. Murat İlhan Atagün
<b>10.30 - 11.20</b>	Theory Class	Mood stabilizers and antidepressants	Ass. Prof. Murat İlhan Atagün
<b>11.30 - 12.20</b>	Theory Class	Mood stabilizers and antidepressants	Ass. Prof. Murat İlhan Atagün
<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	Practice Class	Mood stabilizers and antidepressants	Ass. Prof. Murat İlhan Atagün
<b>14.30 - 15.20</b>	Practice Class	Practical education with patients	Ass. Prof. Murat İlhan Atagün
<b>15.30 – 16.20</b>	Practice Class	Practical education with patients	Ass. Prof. Murat İlhan Atagün

<b>DAY 8</b>			
<b>TIME</b>	<b>PROGRAM</b>	<b>SUBJECT</b>	<b>Academic staff</b>
<b>08.30 - 09.20</b>	Practice Class	Practical education with patients	Ass. Prof. Serdar Süleyman Can
<b>09.30 - 10.20</b>	Pratik Eğitim	Practical education with patients	Ass. Prof. Ass. Prof. Serdar Süleyman Can
<b>10.30 - 11.20</b>	Theory Class	Neurocognitive disorders	Ass. Prof. Serdar Süleyman Can
<b>11.30 - 12.20</b>	Theory Class	Neurocognitive disorders	Ass. Prof. Ass. Prof. Serdar Süleyman Can
<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	Practice Class	Practical education with patients	Ass. Prof. Serdar Süleyman Can
<b>14.30 - 15.20</b>	Practice Class	Practical education with patients	Ass. Prof. Serdar Süleyman Can
<b>15.30 – 16.20</b>	Practice Class	Practical education with patients	Ass. Prof. Serdar Süleyman Can

<b>DAY 9</b>			
<b>SAAT</b>	<b>PROGRAM</b>	<b>SUBJECT</b>	<b>ACADEMIC STAFF</b>
<b>08.30 - 09.20</b>	Practice Class	Practical education with patients	Ass. Prof. Görkem Karakaş Uğurlu
<b>09.30 - 10.20</b>	Practice Class	Practical education with patients	Ass. Prof. Görkem Karakaş Uğurlu

<b>10.30 - 11.20</b>	Theory Class	Psychiatric emergencies and suicide	Ass. Prof. Görkem Karakaş Uğurlu
<b>11.30 - 12.20</b>	Practice Class	Practical education with patients	Ass. Prof. Görkem Karakaş Uğurlu
<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	Practice Class	Practical education with patients	Ass. Prof. Görkem Karakaş Uğurlu
<b>14.30 - 15.20</b>	Practice Class	Practical education with patients	Ass. Prof. Görkem Karakaş Uğurlu
<b>15.30 - 16.20</b>	Practice Class	Practical education with patients	Ass. Prof. Görkem Karakaş Uğurlu

<b>DAY 10</b>			
<b>TIME</b>	<b>PROGRAM</b>	<b>SUBJECT</b>	<b>ACADEMIC STAFF</b>
<b>08.30 - 09.20</b>			
<b>09.30 - 10.20</b>		<b>WRITTEN EXAM</b>	<b>All academic staff</b>
<b>10.30 - 11.20</b>			
<b>11.30 - 12.20</b>			
<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>			
<b>14.30 - 15.20</b>		<b>VIVA EXAM</b>	<b>All academic staff</b>
<b>15.30 - 16.20</b>			

#### **RECOMMENDED REFERENCES**

1. Ruh Sağlığı ve Bozuklukları. Prof. Dr. Orhan Öztürk, Prof. Dr. Aylin Uluşahin (2015, 13. Baskı)
2. Klinik Psikiyatri ve Davranış Bilimleri. [2016, Synopsis of Psychiatry; Kaplan & Sadock, Çeviri Editörü: Prof. Dr. Ali Bozkurt]
3. Stahl'ın Temel Psikofarmakolojisi [2013, Dördüncü Baskı; Stephan M. Stahl, Çeviri Editörü: Prof. Dr. Tunç Alkın]
4. Psikiyatrik İlaç Tedavisi El Kitabı [2016; Sadock ve Sadock, Çeviri Editörleri: Prof. Dr. Hakan Türkçapar, Doç. Dr. Kadir Özdel, Altıncı Baskı]
5. Klinik Psikiyatri ve Davranış Bilimleri [2017, Kaplan & Sadock, Lipincott]
6. Introductory textbook of Psychiatry [5. baskı, American Psychiatric Publishing, Donald Black, Nancy Andreasen]

## **2017-1018 DEPARTMENT OF RADIATION ONCOLOGY ACADEMIC CALENDER**

### **5th Year Internship Program**

#### **Rotation Period & Place**

The length of radiation oncology internship is 2.5 day and will be held 6 times during the semester.

Lectures will be held in medical sciences building of Yildirim Beyazit University at Bilkent.

Clinical rotation will be held in Radiation Oncology Department of Ankara Ataturk Education and Research Hospital.

**Head of Department:** Ast. Prof Suheyla Aytaç Arslan.

**Coordinator:** Ast. Prof Suheyla Aytaç Arslan.

**Lecturer:** Ast. Prof Suheyla Aytaç Arslan.

**Evaluation of the course:** At the end of the course students are subject to take a written exam. Questions can be in “yes/no type, question-word type or multipl choice”format. Passing grade is 60/100 at least.

#### **AIMS**

The aim of this rotation is;

1. Introduce basic principals and practice of radiation oncology and give the knowledge of how to evaluate cancer patients treated with radiotherapy in the primary care setting.
2. Raise doctors with ethical guidelines.

#### **EXPECTATIONS**

As a 5th year medical student, they are expected to;

- 1.Obtain the relevant history and diagnostic workup and perform physical examinations of the cancer patient.
- 2.Evaluate performance status of cancer patients.
- 3.Know the diagnosis, staging and prognosis of primary cancer types treated with radiotherapy.
- 4.Know the appropriate indications and use of radiation therapy in the curative setting for the common cancer types.
- 5.Know the appropriate use of radiation therapy in the palliative setting.
- 6.Understand the acute and late effects that can result from treatment.

7. Understand a radiation prescription.

8. Understand the basics of simulation, treatment planning and treatment delivery by working with radiation therapists, dosimetrists and physicists.

9. Communicate with patients and their relatives properly.

10. Communicate with radiation oncology team properly.

<b>1st Day</b>			
HOURS	ACTIVITY	SUBJECT	ATTENDING
8.30-9.20	Lecture	Basic Principals of Radiation Oncology	Ast. Prof. Suheyla Aytaç Arslan
9.30-10.20	Lecture	Radiotherapy for Head&Neck Cancers	Ast. Prof. Suheyla Aytaç Arslan
10.30-12.00	Lecture	Radiotherapy for Breast Cancer	Ast. Prof. Suheyla Aytaç Arslan
13.30-14.20	Lecture	Radiotherapy for Pediatric Tumors	Ast. Prof. Suheyla Aytaç Arslan
14.30-16.00	Clinical Skills	Workflow at Radiation Oncology Clinic	Ast. Prof. Suheyla Aytaç Arslan

<b>2nd Day</b>			
HOURS	ACTIVITY	SUBJECT	ATTENDING
8.30-9.20	Lecture	Radiotherapy for Genitourinary Cancers	Ast. Prof. Suheyla Aytaç Arslan
9.30-10.20	Lecture	Radiotherapy for Lung Cancers	Ast. Prof. Suheyla Aytaç Arslan
10.30-12.00	Lecture	Radiotherapy for Gynecologic Cancers	Ast. Prof. Suheyla Aytaç Arslan
13.30-14.20	Lecture	Radiotherapy for Gastrointestinal Sistem Cancers	Ast. Prof. Suheyla Aytaç Arslan
14.30-15.20	Clinical Skills	History and Physical Exam for a newly	Ast. Prof. Suheyla Aytaç Arslan

		diagnosed cancer patient	
15.30-16.30	Clinical Skills	Weekly chart checks, watch for acute side effects	Ast. Prof. Suheyla Aytaç Arslan

3rd Day			
9.30-12.00		EXAM	Ast. Prof. Suheyla Aytaç Arslan

### RECOMMENDED BOOKS

1. Clinical Radiation Oncology, Fourt Edition. Edit by LL Gunderson and JE Tepper, 2016 by Elsevier, Philadelphia, PA 19103-2899
2. Principles and Practice's of Radiation Oncology, Sixth Edition. Edith by EC Halperin,DE Wazer, CA Perez, LW Brady.2013 by Lippincott Williams and Wilkins, Philadelphia,
3. Decision Making in Radiation Oncology. First Edition. Edith by JJ Lu, LW Brady, HP Heilmann, M Molls, and C Nieder 2011 by Springer-Verlag Berlin Heidelberg, Philadelphia
4. Handbook of Evidence-Based Radiation Oncology. Second Edition.Edith by EK Hansen and M Roach, 2010 by Springer,London,
5. Target Volume Delineation and Field Setup, A Practical Guide for Conformal and Intensity-Modulated Radiation Therapy, First Edition. Edith by NY Lee and JJ Lu,2013 by Springer-Verlag Berlin Heidelberg,London.
6. Radiobiology for the Radiologist, 6th Edition . Edith by EJ Hall and AJ Giaccia. 2006 by Lippincott Williams & Wilkins, California.
7. Pediatric Radiotherapy Planning and Treatment. First Edition. Edith by AJ Olch.2013 by Taylor and Francis Group, Boca Raton,

**2017-2018 ANNUAL SCHEDULE**  
**YEAR V –NUCLEAR MEDICINE CLERKSHIP**

**PRESENTATION OF NUCLEAR MEDICINE CLERKSHIP**

**Duration of clerkship**

2.5 day

6 times in a year

**Location of Lessons**

Theoretical lessons will be held in Bilkent Health Sciences.

Practical lessons will be held in Ankara Atatürk Training and Research Hospital, Department of Nuclear Medicine.

**Chief of Department:** Prof., Şeyda Türkölmez

**Coordinators of Nuclear Medicine Clerkship:** Prof., Şeyda Türkölmez  
Assoc.Prof., Elif Özdemir

**Trainers:**

Prof., Şeyda Türkölmez

Assoc.Prof., Elif Özdemir

**Assessment and Evaluation**

Theoretical exam: Types of questions are multiple choice, open-ended, true or false or short answer

**AIM**

1. To learn the radiation and radiation safety, radiopharmaceuticals, nuclear medicine imaging modalities (scintigraphy, PET/CT)
2. To learn the indications of nuclear medicine applications in oncology, endocrinology, cardiovascular system, pulmonary system, gastrointestinal system, musculoskeletal system, urinary system, central nervous system

3. To gain knowledge about radionuclide therapies
4. To evaluate basic images of nuclear medicine studies of simple cases

### **LEARNING OBJECTIVES**

- 1-To know the radiation, radiation sources and the principles of radiation protection
- 2-To define the basic principles of scintigraphic imaging and radionuclide therapy
- 3-To describe the uptake mechanisms of the commonly used radiopharmaceuticals in studies of several organ systems
- 4-To tell the indications of myocardial perfusion scintigraphy, the stress protocols used and to distinguish ischemia and infarction findings on the myocardial perfusion scintigraphic images
- 5-To explain the scintigraphic findings of pulmonary embolism and to interpret on the film
- 6- To tell the indications of thyroid and parathyroid scintigraphies, to evaluate the degree of radiopharmaceutical uptake in the thyroid gland and thyroid nodule, to differentiate hypoactive and hyperactive nodules, to explain the role of nuclear medicine in the differential diagnosis of the evaluation of patients with hyperthyroidism
- 7-To tell the indications of I-131 therapy in benign and malignant thyroid diseases and to describe patient preparation for I-131 therapy.
- 8-To tell the indications of bone scintigraphy, to know the aim of three-phase bone scintigraphy and to show the phases of bone scintigraphy and the findings of hyperemia and increased osteoblastic activity on a film.
- 9-To tell the scintigraphic methods used and the indications for central nervous system imaging and to show the findings of epilepsy and dementia on a film.
- 10- To tell the indications of dynamic and static renal scintigraphy and to comment on the effects of diuretic administration on renogram curves in dynamic renal scintigraphy, to know the findings of acute pyelonephritis of static renal scintigraphy.
- 11- To tell the indications of FDG PET imaging, to explain the SUV and the effects of variables that affect the FDG uptake of tumor, to know patient preparation for tumor FDG PET studies and to show physiologic FDG uptake sites and discriminate the abnormal findings from the normal FDG distribution on a film.
- 12- To know the commonly used radionuclide therapies and their side effects and radiation safety principles in patients undergoing radionuclide therapy.

13-To follow a procedure done to a patient from its beginning to the final reporting in the nuclear medicine department.

<b>Procedure</b>	<b>Learning Level</b>	<b>System</b>	<b>Trainer</b>
Introduction to nuclear medicine	1	Multisystem	Dr.Şeyda Türkölmez
Nuclear Medicine in Cardiovascular and Pulmonary System	1	Cardiovascular and Pulmonary System	Dr.Şeyda Türkölmez
Nuclear Medicine in Oncology	1	Multisystem	Dr.Elif Özdemir
Nuclear Medicine in Nephrourology	1	Urinary System	Dr.Elif Özdemir
Nuclear Medicine Gastrointestinal applications	1	Gastrointestinal System	Dr.Elif Özdemir
Nuclear Medicine in Musculoskeletal System Pathologies	1	Musculoskeletal System	Dr.Elif Özdemir
Nuclear Medicine in Endocrinology	1	Endocrine System	Dr.Şeyda Türkölmez
Nuclear Medicine in Neurology	1	Central Nervous System	Dr.Şeyda Türkölmez

<b>Lesson</b>	<b>The method of the theoretical lesson</b>
Introduction to nuclear medicine	Presentation
Nuclear Medicine in Cardiovascular and Pulmonary System	Presentation
Nuclear Medicine in Oncology	Presentation
Nuclear Medicine in Nephrourology	Presentation
Nuclear Medicine Gastrointestinal applications	Presentation
Nuclear Medicine in Musculoskeletal System Pathologies	Presentation
Nuclear Medicine in Endocrinology	Presentation
Nuclear Medicine in Neurology	Presentation

<b>Lesson</b>	<b>The method of the practical lesson</b>
Nuclear Medicine in Cardiovascular and Pulmonary System	Training in the nuclear medicine department with case discussion and interpretation of nuclear medicine studies
Nuclear Medicine in Oncology and in Musculoskeletal System Pathologies	Training in the nuclear medicine department with case discussion and interpretation of nuclear medicine studies
Nuclear Medicine in Endocrinology and neurology	Training in the nuclear medicine department with case discussion and interpretation of nuclear medicine studies
Nuclear Medicine in Nephrourology and Gastrointestinal System Pathologies	Training in the nuclear medicine department with case discussion and interpretation of nuclear medicine studies

#### **PROGRAMME OF CLERKSHIP**

<b>1st DAY</b>			
<b>HOUR</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>TRAINER</b>
<b>08.30 - 09.20</b>	Lecture	Introduction to nuclear medicine	Dr.Şeyda Türkölmez
<b>09.30 - 10.20</b>	Lecture	Clinical applications of nuclear medicine in cardiovascular and pulmonary system	Dr.Şeyda Türkölmez
<b>10.30 - 11.20</b>	Lecture	Clinical applications of nuclear medicine in oncology	Dr.Elif Özdemir
<b>11.30 - 12.20</b>	Lecture	Clinical applications of nuclear medicine in nephrourology	Dr.Elif Özdemir
<b>Lunch break</b>			
<b>13.30 - 14.20</b>	Practice		
<b>14.30 - 15.20</b>	Practice		
<b>15.30 - 16.20</b>	Freelance Study		

<b>2nd DAY</b>			
<b> HOUR</b>	<b> ACTIVITY</b>	<b> TOPIC</b>	<b> TRAINER</b>
<b>08.30 - 09.20</b>	Lecture	Clinical applications of nuclear medicine in gastrointestinal system	Dr.Elif Özdemir
<b>09.30 - 10.20</b>	Lecture	Clinical applications of nuclear medicine in musculoskeletal system	Dr.Elif Özdemir
<b>10.30 - 11.20</b>	Lecture	Clinical applications of nuclear medicine in Endocrinology	Dr.Şeyda Türkölmez
<b>11.30 - 12.20</b>	Lecture	Clinical applications of nuclear medicine in neurology	Dr.Şeyda Türkölmez
<b>Lunch break</b>			
<b>13.30 - 14.20</b>	Practice		
<b>14.30 - 15.20</b>	Practice		
<b>15.30 - 16.20</b>	Freelance Study		

<b>3th DAY</b>	
<b> HOUR</b>	
<b>09.30 - 10.30</b>	<b>WRITTEN EXAM</b>  Prof.Dr.Şeyda Türkölmez Doç.Dr.Elif Özdemir

### **RECOMMENDED REFERENCES**

1. Nuclear Medicine The requisites, Harvey Ziessman
2. Nükleer Tıp Fiziği ve Klinik uygulamaları Mustafa Demir
3. Pet ve PET/BT klinik klavuzu, çeviri Tarık Başoğlu, Ayşe Mavi
4. The pathophysiologic basis of Nuclear Medicine Abdelhamid Elgazzar
5. Nükleer Tıp Ders Kitabı Işık adalet, Ayşe Mudun, Seher Nilgün Ünal, Cüneyt Türkmen

## 2017-2018 EDUCATION YEAR

### PHASE V - RADIOLOGY PROBATION

#### DESCRIPTION OF THE PROBATION

#### PROBATION DURATION

10 workdays

The programme will be applied 4 times for English and Turkish Medicine groups.

#### EDUCATION AREA

Theoretical Lectures : Lecture hall inside the Radiology department.

Practical applications: Ankara Atatürk training and Research Hospital, Radiology department.

**Chair of the department:** Prof. Halil Arslan, MD

**Probation managers:** Prof. Halil Arslan, MD

Ass. Prof. Nurdan Çay, MD

#### LECTURERS

Prof. Halil Arslan, MD

Ass. Prof. Mehmet Gümüş, MD

Ass. Prof. Nurdan Çay, MD

Assist. Prof. Hüseyin Çetin, MD

Assist. Prof. Leman Günbey Karabekmez, MD

#### MEASUREMENT AND EVALUATION

Students are evaluated with two examinations at the end of the probation.

- 3) Practical and verbal examination: a jury composed of two or three lecturers evaluates the student according to his/her knowledge and abilities about principles of radiology physics, indications of radiological modalities, and radiological findings of main pathologies.
- 4) Written examination: Examinations which may be formed by multiple choice, open ended, true-false type or filling in the blank type questions.

The effect of these examinations to the final probation mark is 50% for each. The student is considered as successful or failed according to this final mark.

## AIMS OF THE PROBATION

12. Considering the learning aims of the National Core Education Programme; the student is asked to have the ability to order the right radiological studies of common and emergent pathologies and to evaluate these radiological studies.

13. Developing medical doctors with researching and questioning properties, and that can use radiological modalities with the relation of benefit-harm.

## EDUCATION GOALS

**At the end of the radiology probation of Phase V the students are asked to be;**

1. Counting and interpreting the radiological findings of common diseases.
2. Having the ability of ordering radiological examinations.
3. Differentiating the film of the radiological examination.
4. Evaluating the results of advanced radiological studies.
5. Knowing the biological effects of radiation, used contrast material and usage areas and side effects.

## RADIOLOGY PROBATION PROGRAMME

DISEASE-CONDITION-SYMPTOM	KNOWLEDGE DEGREE	SYSTEMS	CONSULTANT
Enterecence to the radiology physics	B	Multisystem	Mehmet Gümüş
Non-vascular interventional radiology	B	Multisystem	Mehmet Gümüş
Vascular interventional radiology	B	Multisystem	Mehmet Gümüş
Enterecence to the thorax imaging	TB	Thorax	Hüseyin Çetin
Chest radiograph	TB	Thorax	Hüseyin Çetin
Imaging findings in thorax pathologies	B	Thorax	Hüseyin Çetin
Radiological algorithm at thorax imaging	TB	Thorax	Hüseyin Çetin
Head and neck imaging 1	B	Head and neck	Hüseyin Çetin
Head and neck imaging 2	B	Head and neck	Hüseyin Çetin
Gastrointestinal tract imaging	B	Gastrointestinal	Halil Arslan
Liver and biliary system imaging	B	Gastrointestinal	Halil Arslan
Spleen, pancreas and peritoneum imaging	B	Gastrointestinal	Halil Arslan

Urinary system radiology	B	Genitourinary	Halil Arslan
Genital system radiology	B	Genitourinary	Halil Arslan
Cardiovascular system radiology	B	Cardiovascular	Halil Arslan
Radiological imaging at central nervous system trauma	B	Neuroradiology	Leman G. Karabekmez
Radiological imaging at central nervous system neoplasms	B	Neuroradiology	Leman G. Karabekmez
Radiological imaging at central nervous system infections	B	Neuroradiology	Leman G. Karabekmez
Radiological imaging at central nervous system congenital malformations	B	Neuroradiology	Leman G. Karabekmez
Imaging spinal canal pathologies	B	Neuroradiology	Leman G. Karabekmez
Breast imaging	B	Soft tissue	Leman G. Karabekmez
Musculoskeletal system imaging methodology	B	Musculoskeletal	Nurdan Çay
Radiology in musculoskeletal trauma	B	Musculoskeletal	Nurdan Çay
Bone pathologies and imaging	B	Musculoskeletal	Nurdan Çay
Joint pathologies and imaging	B	Musculoskeletal	Nurdan Çay
Soft tissue pathologies and imaging	B	Musculoskeletal	Nurdan Çay
Imaging in musculoskeletal infections	B	Musculoskeletal	Nurdan Çay

### PROBATION PROGRAMME

<b>DAY 1</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>CONSULTANT</b>
<b>08.30 - 09.20</b>	Practical application		
<b>09.30 - 10.30</b>	Practical application		
<b>10.30 - 11.00</b>	Practical application		
<b>11.00 - 12.00</b>	Practical application		
<b>BREAK</b>			
<b>13.30 - 14.20</b>	Theoretical lecture	Entrance to the radiology physics	Mehmet Gümüş
<b>14.30 - 15.20</b>	Theoretical lecture	Non-vascular interventional radiology	Mehmet Gümüş
<b>15.30 - 16.20</b>	Theoretical lecture	Vascular interventional radiology	Mehmet Gümüş

<b>DAY 2</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>CONSULTANT</b>
08.30 - 09.30	Practical application		
09.30 - 10.30	Practical application		
10.30 - 11.00	Practical application		
11.00 - 12.00	Practical application		
<b>BREAK</b>			
13.30 - 14.20	Theoretical lecture	Enterence to the thorax imaging	Hüseyin Çetin
14.30 - 15.20	Theoretical lecture	Chest radiograph	Hüseyin Çetin
15.30 - 16.20	Theoretical lecture	Imaging findings in thorax pathologies	Hüseyin Çetin

<b>DAY 3</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>CONSULTANT</b>
08.30 - 09.30	Practical application		
09.30 - 10.30	Practical application		
10.30 - 11.00	Practical application		
11.00 - 12.00	Practical application		
<b>BREAK</b>			
13.30 - 14.20	Theoretical lecture	Radiological algorithm at thorax imaging	Hüseyin Çetin
14.30 - 15.20	Theoretical lecture	Head and neck imaging 1	Hüseyin Çetin
15.30 - 16.20	Theoretical lecture	Head and neck imaging 2	Hüseyin Çetin

<b>DAY 4</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>CONSULTANT</b>
08.30 - 09.30	Practical application		
09.30 - 10.30	Practical application		
10.30 - 11.00	Practical application		
11.00 - 12.00	Practical application		
<b>BREAK</b>			
13.30 - 14.20	Theoretical lecture	Gastrointestinal tract imaging	Halil Arslan
14.30 - 15.20	Theoretical lecture	Liver and biliary system imaging	Halil Arslan
15.30 - 16.20	Theoretical lecture	Spleen, pancreas and peritoneum imaging	Halil Arslan

<b>DAY 5</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>CONSULTANT</b>
<b>08.30 - 09.30</b>	Practical application		
<b>09.30 - 10.30</b>	Practical application		
<b>10.30 - 11.00</b>	Practical application		
<b>11.00 - 12.00</b>	Practical application		
<b>BREAK</b>			
<b>13.30 - 14.20</b>	Theoretical lecture	Urinary system radiology	Halil Arslan
<b>14.30 - 15.20</b>	Theoretical lecture	Genital system radiology	Halil Arslan
<b>15.30 - 16.20</b>	Theoretical lecture	Cardiovascular system radiology	Halil Arslan

<b>DAY 6</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>CONSULTANT</b>
<b>08.30 - 09.30</b>	Practical application		
<b>09.30 - 10.30</b>	Practical application		
<b>10.30 - 11.00</b>	Practical application		
<b>11.00 - 12.00</b>	Practical application		
<b>BREAK</b>			
<b>13.30 - 14.20</b>	Theoretical lecture	Radiological imaging at central nervous system trauma	Leman G. Karabekmez
<b>14.30 - 15.20</b>	Theoretical lecture	Radiological imaging at central nervous system neoplasms	Leman G. Karabekmez
<b>15.30 - 16.20</b>	Theoretical lecture	Radiological imaging at central nervous system infections	Leman G. Karabekmez

<b>DAY 7</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>CONSULTANT</b>
<b>08.30 - 09.30</b>	Practical application		
<b>09.30 - 10.30</b>	Practical application		
<b>10.30 - 11.00</b>	Practical application		
<b>11.00 - 12.00</b>	Practical application		
<b>BREAK</b>			
<b>13.30 - 14.20</b>	Theoretical lecture	Radiological imaging at central nervous system congenital malformations	Leman G. Karabekmez

<b>14.30 - 15.20</b>	Theoretical lecture	Imaging spinal canal pathologies	Leman G. Karabekmez
<b>15.30 - 16.20</b>	Theoretical lecture	Breast imaging	Leman G. Karabekmez

<b>DAY 8</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>CONSULTANT</b>
<b>08.30 - 09.30</b>	Practical application		
<b>09.30 - 10.30</b>	Practical application		
<b>10.30 - 11.00</b>	Practical application		
<b>11.00 - 12.00</b>	Practical application		
<b>BREAK</b>			
<b>13.30 - 14.20</b>	Theoretical lecture	Musculoskeletal system imaging methodology	Nurdan Çay
<b>14.30 - 15.20</b>	Theoretical lecture	Radiology in musculoskeletal trauma	Nurdan Çay
<b>15.30 - 16.20</b>	Theoretical lecture	Bone pathologies and imaging	Nurdan Çay

<b>DAY 9</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>CONSULTANT</b>
<b>08.30 - 09.30</b>	Practical application		
<b>09.30 - 10.30</b>	Practical application		
<b>10.30 - 11.00</b>	Practical application		
<b>11.00 - 12.00</b>	Practical application		
<b>BREAK</b>			
<b>13.30 - 14.20</b>	Theoretical lecture	Joint pathologies and imaging	Nurdan Çay
<b>14.30 - 15.20</b>	Theoretical lecture	Soft tissue pathologies and imaging	Nurdan Çay
<b>15.30 - 16.20</b>	Theoretical lecture	Imaging in musculoskeletal infections	Nurdan Çay

<b>DAY 10</b>			
<b>TIME</b>	<b>ACTIVITY</b>	<b>TOPIC</b>	<b>CONSULTANT</b>
<b>08.30 - 09.30</b>			
<b>09.30 - 10.30</b>	WRITTEN EXAMINATION		
<b>10.30 - 11.00</b>			
<b>11.00 - 12.00</b>			
<b>BREAK</b>			
<b>13.30 - 14.20</b>	ORAL EXAMINATION		
<b>14.30 - 15.20</b>			
<b>15.30 - 16.20</b>			

### **RECOMMENDED REFERENCES**

1. Klinik radyoloji, Ercan Tuncel, Nobel Tip kitabevi, 2011
2. Temel Radyoloji, İ. Tanzer Sancak, Gunes kitabevi, 2015
3. [www.radiopedia.com](http://www.radiopedia.com)
4. [www.radiologyassistant.nl](http://www.radiologyassistant.nl)
5. [www.auntminnie.com](http://www.auntminnie.com)

## **2017-2018 ACADEMIC YEAR**

### **CLASS V – UROLOGY INTERNSHIP**

#### **DESCRIPTION OF INTERNSHIP**

##### **PRACTICING TIME**

10 Business days

The internship program will be practiced 3 times for Turkish group and 3 times for English group.

##### **TRAINING LOCATION**

Internship theoretical lessons will be held at Bilkent Health Sciences building of our university.

Internship practical lessons will be held at Ankara Ataturk Training and Research Hospital, Urology clinic, OR and outpatient clinic.

**Head of Department:** Prof. Dr. Arslan ARDIÇOĞLU

**Internship Executive:** Ass.Prof. Dr. Bahri GOK

##### **TRAINING INSTRUCTORS:**

Prof. Dr. Arslan ARDIÇOĞLU

Prof. Dr. Önder KAYIGİL

Prof. Dr. Ali Fuat ATMACA

Prof. Dr. Abdullah Erdem CANDAN

Ass.Prof. Dr. Bahri GOK

##### **QUANTIFICATION AND CONSIDERATION**

At the end intern is evaluated by on two method.

- 1- Oral Exam: The exam jury consists of three faculty members. Students' taking medical history, physical examination, diagnosis and treatment abilities are evaluated.
- 2- Theoretical Exam: Multiple choice, open-ended, true-false or completion questions are used. The student's knowledge is measured.
- 3- 50% of oral exam score and 50% of the theoretical exam score is considered

According to the student's status exam pass / fail is determined.

##### **OBJECTIVES OF TRAINING**

1. Considering the National Core Education Program learning objectives, gaining the information and skill of making the diagnosis of major diseases of urology, and treating these diseases at primary care level and in emergency.

2. To raise physicians having the investigator and interrogator features, applying profession ethically, approaching the patient and family holistically, and can empathize them.

## **LEARNING OBJECTIVES**

At the end of Urology internship, Class V students;

1. Urological physical examination
2. Interpretation urological radiologic imaging
3. Indications and application of urethral catheterization
4. Initial management of a patient with urinary retention
5. Management of a patient with renal colic
6. Diagnosis and treatment of pyelonephritis, cystitis, urethritis, orchitis and other urinary tract infections and management of complications
7. Diagnosis of urinary tract obstruction
8. Diagnosis and conservative management of urinary tract stone disease
9. Listing symptoms and signs of urological tumors
10. Management of a patient with gross hematuria with blood clots
11. Initial management of urogenital system trauma
12. Listing and differential diagnosis of intrascrotal mass lesions
13. Listing symptoms and signs of urogenital tuberculosis
14. Diagnosis, treatment and complications of undescended testis
15. Congenital anomalies of the urogenital system
16. Interpretation of semen analysis results
17. Description of infertile male
18. Diagnosing vesicoureteral reflux
19. Diagnosing erectile dysfunction
20. Diagnosis and treatment of sexually transmitted disease
21. Description of neurogenic bladder and voiding dysfunction

**E:** Emergency applications

**KG:** Knowledge will be gained

**D:** Diagnosis

**DT:** Diagnosis and treatment

<b>Title</b>	<b>Learning aim</b>	<b>Tutor</b>
History taking, physical examination and radiologic imaging in urology	KG	Prof. Dr. Arslan Ardiçođlu
Nonspecific infections of the urinary tract	DT	Yard. Doç. Dr. Bahri Gök
Specific infections of the urinary system and sexually transmitted diseases	DT	Yard. Doç. Dr. Bahri Gök
BPH	D	Prof. Dr. Arslan Ardiçođlu
Pediatric urological disorders and VUR	D	Prof. Dr. Önder Kayıgil
Urinary tract stone disease	D	Doç. Dr. A. Erdem Canda
Urological emergencies and trauma	E	Prof. Dr. Ali Fuat Atmaca
Kidney tumors	KG	Doç. Dr. A. Erdem Canda
Kidney failure and renal transplantation	KG	Yard. Doç. Dr. Bahri Gök
Male infertility	KG	Yard. Doç. Dr. Bahri Gök
Testis tumors	D	Prof. Dr. Arslan Ardiçođlu
Prostate cancer	KG	Prof. Dr. Ali Fuat Atmaca
Uroepithelial tumors	KG	Prof. Dr. Ali Fuat Atmaca
Intrascrotal diseases	D	Doç. Dr. A. Erdem Canda
Erectile dysfunction	D	Prof. Dr. Önder Kayıgil
Incontinence, overactive bladder, neurogenic bladder and lower urinary tract disorders	D	Prof. Dr. Önder Kayıgil

## UROLOGY STAGE PROGRAM

<b>DAY 1</b>			
<b>HOURS</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.20	Clinic Practice	Patient visit and examination	
09.30 - 10.30	Theoretical Lesson	History taking, physical examination and radiologic imaging in urology	Prof. Dr. Arslan Ardiçođlu
10.30 - 11.00	Individual Study		
11.00 - 12.00	Theoretical Lesson	BPH	Prof. Dr. Arslan Ardiçođlu
<b>LUNCH BREAK</b>			
13.30 - 14.20	Clinic Practice		
14.30 - 15.20	Clinic Practice		
15.30 - 16.20	Clinic Practice		

<b>DAY 2</b>			
<b>HOURS</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Clinic Practice	Patient visit and examination	
09.30 - 10.30	Theoretical Lesson	Pediatric urological disorders and VUR	Prof. Dr. Önder Kayıgil
10.30 - 11.00	Individual Study		
11.00 - 12.00	Theoretical Lesson	Erectile dysfunction	Prof. Dr. Önder Kayıgil
<b>LUNCH BREAK</b>			
13.30 - 14.20	Clinic Practice		
14.30 - 15.20	Clinic Practice		
15.30 - 16.20	Clinic Practice		

<b>DAY 3</b>			
<b>HOURS</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Clinic Practice	Patient visit and examination	
09.30 - 10.30	Theoretical Lesson	Urological emergencies and trauma	Prof. Dr. Ali Fuat Atmaca
10.30 - 11.00	Individual Study		
11.00 - 12.00	Theoretical Lesson	Prostate cancer	Prof. Dr. Ali Fuat Atmaca
<b>LUNCH BREAK</b>			
13.30 - 14.20	Clinic Practice		
14.30 - 15.20	Clinic Practice		
15.30 - 16.20	Clinic Practice		

<b>DAY 4</b>			
<b>HOURS</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Clinic Practice	Patient visit and examination	
09.30 - 10.30	Theoretical lesson	Urinary tract stone disease	Prof. Dr. A Erdem Canda
10.30 - 11.00	Individual Study		
11.00 - 12.00	Theoretical lesson	Kidney Tumors	Prof. Dr. A Erdem Canda
<b>LUNCH BREAK</b>			
13.30 - 14.20	Clinic Practice		
14.30 - 15.20	Clinic Practice		
15.30 - 16.20	Clinic Practice		

<b>DAY 5</b>			
<b>HOURS</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Clinic Practice	Patient visit and examination	
09.30 - 10.30	Theroretical lesson	Nonspecific infections of the urinary tract	Ass.Prof. Dr. Bahri GOK
10.30 - 11.00	Individual Study		
11.00 - 12.00	Theroretical lesson	Specific infections of the urinary system and sexually transmitted diseases	Ass.Prof. Dr. Bahri GOK
<b>LUNCH BREAK</b>			
13.30 - 14.20	Clinic Practice		
14.30 - 15.20	Clinic Practice		
15.30 - 16.20	Clinic Practice		

<b>DAY 6</b>			
<b>HOURS</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Clinic Practice	Patient visit and examination	
09.30 - 10.30	Theroretical lesson	Testis tumors	Prof. Dr. Arslan Ardiçoğlu
10.30 - 11.00	Individual Study		
11.00 - 12.00	Theroretical lesson	Incontinence, overactive bladder, neurogenic bladder and lower urinary tract disorders	Prof. Dr. Önder Kayıgil
<b>LUNCH BREAK</b>			
13.30 - 14.20	Clinic Practice		
14.30 - 15.20	Clinic Practice		
15.30 - 16.20	Clinic Practice		

<b>DAY 7</b>			
<b>HOURS</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Clinic Practice	Patient visit and examination	
09.30 - 10.30	Theroretical lesson	Uroepithelial tumors	Prof. Dr. Ali Fuat Atmaca
10.30 - 11.00	Individual Study		
11.00 - 12.00	Theroretical lesson	Intrascrotal diseases	Prof. Dr. A Erdem Canda
<b>LUNCH BREAK</b>			
13.30 - 14.20	Clinic Practice		
14.30 - 15.20	Clinic Practice		
15.30 - 16.20	Clinic Practice		

<b>DAY 8</b>			
<b>HOURS</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Clinic Practice	Patient visit and examination	
09.30 - 10.30	Theroretical lesson	Kidney failure and renal transplantation	Ass.Prof. Dr. Bahri GOK
10.30 - 11.00	Individual Study		
11.00 - 12.00	Clinic Practice	inpatient and outpatient practice	
<b>LUNCH BREAK</b>			
13.30 - 14.20	Clinic Practice		
14.30 - 15.20	Clinic Practice		
15.30 - 16.20	Clinic Practice		

<b>DAY 9</b>			
<b>HOURS</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
08.30 - 09.30	Clinic Practice	Patient visit and examination	
09.30 - 10.30	Theroretical lesson	Male infertility	Ass.Prof. Dr. Bahri GOK
10.30 - 11.00	Individual Study		
11.00 - 12.00	Clinic Practice	inpatient and outpatient practice	

<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	Clinic Practice		
<b>14.30 - 15.20</b>	Clinic Practice		
<b>15.30 - 16.20</b>	Clinic Practice		

<b>DAY 10</b>			
<b>HOURS</b>	<b>ACTIVITY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
<b>08.30 - 09.30</b>	ORAL EXAM		
<b>09.30 - 10.30</b>			
<b>10.30 - 11.00</b>			
<b>11.00 - 12.00</b>			
<b>LUNCH BREAK</b>			
<b>13.30 - 14.20</b>	THERORETICAL LESSON		
<b>14.30 - 15.20</b>			
<b>15.30 - 16.20</b>			

**RECOMMENDED BOOKS:**

1. Campbell-walsh Üroloji 4 cilt 10. Baski turkce
2. Smith's general urology
3. Temel Üroloji Kitabı 4. baski (Anafarta-Arikan-Bedük)
4. European Association of Urology (EAU) guidelines
5. Üroloji Ders Kitabı 1. baski 2016 (Prof. Dr. Ali ihsan Taşçı)