



**YEDİTEPE UNIVERSITY**

**YEDİTEPE UNIVERSITY**

**FACULTY OF MEDICINE**

**PHASE V**

**ACADEMIC PROGRAM BOOK**

**2013 - 2014**



**YEDİTEPE UNIVERSITY**

**FACULTY of MEDICINE**

**PHASE V**

**ACADEMIC PROGRAM BOOK**

**2013 – 2014**

**Student's:**

Name:.....

Nr:.....



**YEDİTEPE UNIVERSITY  
FACULTY OF MEDICINE  
PHASE V**

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**YEDİTEPE UNIVERSITY FACULTY OF MEDICINE**  
**AIM AND OUTCOMES OF MEDICAL EDUCATION PROGRAM\*\***

\*“Consensus Commission Report” based on draft compiled at “*Workshop for Revision of Aim and Outcomes of Medical Education Program at Yeditepe University Faculty of Medicine*”

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**AIM**

The aim of medical education program *is to graduate physicians* who

- ***are aware of*** the local and global health issues
- ***have acquired competence*** in knowledge, skills and attitudes to manage and provide primary health care service
- ***know, apply and care*** for ethical principles of the medical profession
- ***keep up with*** current knowledge at national and international level
- ***are capable of*** systematical thinking
- ***are*** investigative and questioning
- continually ***renovate*** and ***improve*** themselves
- ***are capable of*** teamwork
- ***use*** technology competently in medicine and related areas
- ***have*** effective communication skills
- ***have*** community leadership qualifications

## OUTCOMES

Graduate should be able to:

1) *practice* as a physician,

- oriented towards
  - individual and non-individual factors affecting health
  - sustainment and improvement of healthy condition
  - clinical conditions which
    - are frequent in community and/or
    - pose high risk for individual or community health and/or
    - life-threatening or constitute an emergency
- at a competency level appropriate to deliver primary health care services compatible with surrounding context of health determinants.

1.1. **explain** normal structural components of human body, their functions and operational mechanisms at organismal, multisystem, system, organ, tissue, cellular and molecular levels.

1.2. **explain** healthy condition and factors affecting health.

1.3. **explain** and **relates** causes of clinical conditions, courses of effect and outcomes.

1.4. **explain** changes (*i.e. physiological and pathological*) in structural components of body, their functions and operational mechanisms under healthy and clinical conditions.

1.5. **explain** most frequently occurring or most important clinical complaints (*i.e. chief complaint*), symptoms, signs, laboratory and imaging findings and their emergence mechanisms in clinical conditions.

1.6. **explain** current medical and surgical methods used in interventions directed towards health conditions.

1.7. **use** contextually appropriate medical history taking method, out of different types (*e.g. comprehensive, focused or hypothetico-deductive*) and systematically, to gather medical information from healthy individual, patient or patient's companions (*i.e. heteroanamnesis*), in case of an encounter with a healthy person or a patient who seeks health care service for a health condition.

1.8. **employ** physical examination methods for systems in case of an encounter with a healthy person or a patient who seeks health care service for a health condition.

1.9. accurately **interpret** findings in medical history and physical examination, in case of an encounter with a healthy person or a patient who seeks health care service for a health condition.

1.10. **implement** diagnostic procedures (*e.g. point of care testing, physician office testing*) required for primary health care, in case of an encounter with a healthy person or a patient who seeks health care service for a health condition.

1.11. **select (utilize)** tests shown to be highly effective in clinical decision making by evidence-based medicine from the aspects of reliability, practicality and outcome measures, in case of an encounter with a healthy person or a patient who seeks health care service for a health condition, and **interpret** results.



1.12.**make** clinical decisions (e.g. *benefit estimation, risk estimation, prevention, screening, test requisition, diagnosis, triage, staging, consultation, prognosis, watchful-waiting, intervention, monitoring, end of intervention, discharge, control, end of follow-up*) shown to be highly effective from the aspects of outcome measures by evidence-based medicine, in case of an encounter with a healthy person or a patient who seeks health care service for a health condition.

1.13.accurately **perform** interventional procedures (*i.e. interventional clinical skills, competencies and proficiencies*) required for primary health care, in case of an encounter with a healthy person or a patient who seeks health care service for a clinical condition.

1.14.**coordinate** referral or transport of patient, when necessary and with patient-centered approach, to secondary health care institution, without posing any risk to patient's health, security and confidentiality, in case of an encounter with a patient who seeks health care service for a clinical condition.

1.15.**manage** request or symptom, healthy or clinical condition, and healthy individual or patient, with beneficiary-centered approach, and with clinical decisions made by analytical and critical thinking, clinical reasoning and problem solving methods, in case of an encounter with a patient who seeks health care service for a health condition.

1.16.**execute** protective and therapeutic medical practices that are individual, family and community-oriented, easily accessible, integrated and coordinated, continuous, comprehensive, and based on the principles of confidentiality, in primary health care services.

1.17.**identify** factors that pose a high risk to individual and community health, and **determine** individuals or populations at risk in advance or at an early stage and implement the necessary measures.

1.18.**value** preventive health services, **offer** primary prevention (*i.e. prevention of diseases for the protection of health*), secondary prevention (*i.e. early diagnosis and treatment*) and tertiary prevention (*i.e. rehabilitation*) services, and **provide** consultancy on these issues.

1.19.**provide** life-style consultancy and design services to sustain and improve individual and community health.

## **2) manage primary health care services.**

2.1.**manage** health care team in primary health care organization.

2.2.**lead** community with sense of responsibility, good behavior and manners in consideration of individual behaviors and social dynamics of community, and if there is a necessity, **develop** projects directed towards health care services.

2.3.**define** health management and economics principles, models for organization and finance of health care services.

2.4.**use** health care resources with cost-effective manners.

## **3) advocate individual and community health under all circumstances.**

3.1.**provide** consultancy services to sustain and promote the health of individual and community.

3.2.**explain** epidemiology of clinical conditions, and **define** measures to reduce frequencies.

3.3.**describe** completely all high risk factors for the community health (e.g. *natural disasters, nuclear accidents, fire, war, bio-terrorism, etc.*), and **implement** necessary measures in order to

prevent effects on health.

3.4. **explain** health determinants completely (e.g. *physical environment, social environment, genetic background, individual response -behavior, biology-, health care services, welfare, etc.*), including conditions that prevent access to health care.

**4) perform medical practices according to regulatory and ethical principles and in consideration of behavioral sciences, social sciences, and humanities.**

4.1. **recognize** determinants affecting individual behaviors and attitudes, and social dynamic

4.2. **recognize** basic ethical principles completely, and **distinguish** ethical and legal problems.

4.3. **recognize** regulations concerning national and international health systems.

4.4. **employ** safety, security and confidentiality principles completely for beneficiaries of health care services, companions and visitors, and health care workers.

4.5. **use** medical record and information systems according to regulations and ethical principles.

4.6. **value** informed consent taking in the framework of patients' rights, and **employ** fully.

4.7. **interpret** historical, anthropological and philosophical evolution of medicine, health and disease concepts, and **relate** to current medical practice

**5) establish correct and effective communication with all stakeholders of health care services and collaborate.**

5.1. **communicate** by using problem solving abilities during all of professional life with health care beneficiaries, co-workers, accompanying persons, visitors, patient's relatives, care givers, colleagues, other individuals and organizations.

5.2. **collaborate** with related organizations and institutions, with other professionals and health care workers as a team member through using problem solving abilities.

5.3. **communicate** with all stakeholders with consideration of socio-cultural differences.

**6) promote self medical knowledge and skills in view of the current scientific developments throughout own career.**

6.1. **adopt** and **implement** the importance of lifelong self-learning.

6.2. **recognize** importance of updating knowledge and skills; **search** current advancements and improve own knowledge and skills.

6.3. **speak** at least one foreign language at advanced level to follow the international literature and communicate with colleagues.

6.4. **recognize** methods to reach current scientific knowledge, and **use** available technology.

6.5. **recognize** principles of evidence-based medicine, and **implement** in health care services.

6.6. **develop** and **present** research projects.

**7) manage own postgraduate career.**

7.1. **recognize** and **investigate** postgraduate work domains and job opportunities.

7.2. **determine** postgraduate work domains, job opportunities and requirements for application, **distinguish** and **plan** requirements for further training and work experience.

7.3. **prepare** a resume, and **recognize** job interview methods.

7.4. **recognize** health technologies expected to be implemented in near future and emerging work areas.

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**PHASE V**

**PHASE V COORDINATION COMMITTEE**  
**(TEACHING YEAR 2013 – 2014)**

Başar Atalay, MD Prof. (Coordinator)  
Sibel Temür, MD Prof. (Co-coordinator)  
Vildan Öztürk, MD Assoc Prof. (Co-coordinator)  
Serdar Alpan, MD Prof. (Co-coordinator)  
Melih Güven, MD Assoc Prof. (Co-coordinator)  
Hakan Koyuncu, MD Assist Prof. (Co-coordinator)  
Soner Sanioğlu, MD Assoc Prof. (Co-coordinator)

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**DESCRIPTION OF PHASE V**

“Clinical Phase”; qualifications (competencies and proficiencies) for symptom-disease-patient management in domains of clerkships.

**PHASE CONTENT**

Anesthesia, Forensic Medicine, Pediatric Surgery, Pediatric Psychology, Psychology, Dermatology, Infectious Diseases, Physical Therapy and Rehabilitation, Public Health, Clinical Pharmacology, Otorhinolaryngology, Neurology, Neurosurgery, Nuclear Medicine, Ophthalmology, Orthopedics, Radiology, Urology

**EXECUTIVES OF ACADEMIC YEAR**

Anesthesia, Forensic Medicine, Pediatric Surgery, Pediatric Psychology, Psychology, Dermatology, Infectious Diseases, Physical Therapy and Rehabilitation, Public Health, Clinical Pharmacology, Otorhinolaryngology, Neurology, Neurosurgery, Nuclear Medicine, Ophthalmology, Orthopedics, Radiology, Urology

# YEDİTEPE UNIVERSITY

## FACULTY OF MEDICINE

### PHASE V

#### AIM and OBJECTIVES of PHASE V

##### AIM

In the 5th phase of the program, students are intended to be brought up to the competency level to use their knowledge, skills and attitudes gained in the first three years, to diagnose, follow-up and treat real patients including the outpatients and/or inpatients.

##### LEARNING OBJECTIVES OF PHASE V

*At the end of this phase, student should be able to:*

##### KNOWLEDGE

1. **explain** clinical conditions which are which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency
2. **tell** that taking a history based on systems is an important element of diagnosis
3. **count** properties of physical examination based on systems
4. **explain** interventions used for current medical and surgical methods
5. **recognize** basic ethical approaches completely
6. **distinguish** between legal and ethical issues

##### SKILLS

7. **take** history based on systems
8. **apply** physical examination methods based on systems
9. **select** appropriate tests to support clinical decisions
10. **interpret** test results to support clinical decisions
11. **do** frequently used diagnostic applications
12. **refer** patient to next level care

##### ATTITUDES

13. **participate** fully and timely in activities carried out during training
14. **take** responsibilities to be fulfilled

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**ACADEMIC CALENDAR 2013 - 2014**

<b>September 2, 2013 Monday</b>	<b>Beginning of Phase V</b>
<b>October 14 - 20, 2013</b>	<b>Religious Holiday</b>
<b>October 28 - 29 2013 (Monday - Tuesday)</b>	<b>Republic Day - National Holiday</b>
<b>November 8, 2013 (Friday, at 14:00 - 16:00)</b>	<b>Commemoration of Atatürk</b>
<b>January 01, 2014 Wednesday</b>	<b>New Year</b>
<b>January 02, 2014 Thursday</b>	<b>Coordination Committee Meeting</b>
<b>March 14, 2014 Friday</b>	<b>Physicians' Day</b>
<b>April 23, 2014 Wednesday</b>	<b>National Holiday</b>
<b>April 24, 2014 Thursday</b>	<b>Coordination Committee Meeting</b>
<b>May 01, 2014 Thursday</b>	<b>Labor's Day</b>
<b>May 19, 2014 Monday</b>	<b>National Holiday</b>
<b>May 30, 2014 Friday</b>	<b>End of Phase V</b>
<b>June 23 - 27, 2014</b>	<b>Incomplete Examination</b>

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**CLERKSHIP PROGRAMS**

- **ORTHOPAEDICS AND TRAUMATOLOGY**
- **PSYCHIATRY**
- **CHILD PSYCHIATRY**
- **NEUROSURGERY**
- **NEUROLOGY**
- **OPHTHALMOLOGY**
- **OTORHINOLARYNGOLOGY**
- **DERMATOLOGY**
- **PHYSICAL MEDICINE AND REHABILITATION**
- **RADIOLOGY**
- **NUCLEAR MEDICINE**
- **RADIATION ONCOLOGY**
- **ANESTHESIOLOGY AND REANIMATION**
- **UROLOGY TRAINING PROGRAM**
- **INFECTIOUS DISEASES AND CLINICAL MICROBIOLOGY**
- **PEDIATRIC SURGERY**
- **CLINICAL PHARMACOLOGY**
- **FORENSIC MEDICINE**

**PHASE V 2013 - 2014**

	1. Grup	2. Grup	3. Grup	4. Grup	5. Grup	6. Grup	7. Grup
02.09.2013-20.09.2013	ORTHOPAEDICS & TRAUMATOLOGY Y.Ü.T.F. (3 weeks)	PSYCHIATRY + CHILD PSY. Y.Ü.T.F + E.R.S.H. (2) + Y.Ü.T.F (1) (3 weeks)	NEUROSURGERY Y.Ü.T.F + K.L.K. (3 weeks)	NEUROLOGY Y.Ü.T.F + F.S.M.E.A.H. (3 weeks)	OPHTHALMOLOGY Y.Ü.T.F. (3 weeks)	ENT Y.Ü.T.F. (3 weeks)	DERMATOLOGY Y.Ü.T.F. (3 weeks)
23.09.2013-04.10.2013	PMR Y.Ü.T.F + G.E.A.H (2 weeks)	RADIOLOGY Y.Ü.T.F. (2 weeks)	NUCLEAR M. Y.Ü.T.F. (1 week) R.ONCOLOGY K.L.K (1 week)	ANESTHESIOLOGY Y.Ü.T.F. (2 weeks)	UROLOGY Y.Ü.T.F (2 weeks)	INFECTIOUS DISEASES Y.Ü.T.F + H.N.H. (2 weeks)	PEDIATRIC SURGERY Y.Ü.T.F + G.E.A.H. (2 weeks)
07.10.2013-01.11.2013	DERMATOLOGY Y.Ü.T.F. (3 weeks)	ORTHOPAEDICS & TRAUMATOLOGY Y.Ü.T.F. (3 weeks)	PSYCHIATRY + CHILD PSY. Y.Ü.T.F + E.R.S.H. (2) + Y.Ü.T.F (1) (3 weeks)	NEUROSURGERY Y.Ü.T.F + K.L.K. (3 weeks)	NEUROLOGY Y.Ü.T.F. + F.S.M.E.A.H. (3 weeks)	OPHTHALMOLOGY Y.Ü.T.F. (3 weeks)	ENT Y.Ü.T.F. (3 weeks)
04.11.2013-15.11.2013	PEDIATRIC SURGERY Y.Ü.T.F + G.E.A.H. (2 weeks)	PMR Y.Ü.T.F. + G.E.A.H (2 weeks)	RADIOLOGY Y.Ü.T.F. (2 weeks)	NUCLEAR M. Y.Ü.T.F. (1 week) R.ONCOLOGY K.L.K (1 week)	ANESTHESIOLOGY Y.Ü.T.F. (2 weeks)	UROLOGY Y.Ü.T.F (2 weeks)	INFECTIOUS DISEASES Y.Ü.T.F + H.N.H. (2 weeks)
18.11.2013-06.12.2013	ENT Y.Ü.T.F. (3 weeks)	DERMATOLOGY Y.Ü.T.F. (3 weeks)	ORTHOPAEDICS & TRAUMATOLOGY Y.Ü.T.F. (3 weeks)	PSYCHIATRY + CHILD PSY. Y.Ü.T.F + E.R.S.H. (2) + Y.Ü.T.F (1) (3 weeks)	NEUROSURGERY Y.Ü.T.F + K.L.K. (3 weeks)	NEUROLOGY Y.Ü.T.F. + F.S.M.E.A.H. (3 weeks)	OPHTHALMOLOGY Y.Ü.T.F. (3 weeks)
09.12.2013-20.12.2013	INFECTIOUS DISEASES Y.Ü.T.F + H.N.H. (2 weeks)	PEDIATRIC SURGERY Y.Ü.T.F + G.E.A.H. (2 weeks)	PMR Y.Ü.T.F. + G.E.A.H (2 weeks)	RADIOLOGY Y.Ü.T.F. (2 weeks)	NUCLEAR M. Y.Ü.T.F. (1 week) R.ONCOLOGY K.L.K (1 week)	ANESTHESIOLOGY Y.Ü.T.F. (2 weeks)	UROLOGY Y.Ü.T.F. (2 weeks)
23.12.2013-10.01.2014	OPHTHALMOLOGY Y.Ü.T.F. (3 weeks)	ENT Y.Ü.T.F. (3 weeks)	DERMATOLOGY Y.Ü.T.F. (3 weeks)	ORTHOPAEDICS & TRAUMATOLOGY Y.Ü.T.F. (3 weeks)	PSYCHIATRY + CHILD PSY. Y.Ü.T.F + E.R.S.H. (2) + Y.Ü.T.F (1) (3 weeks)	NEUROSURGERY Y.Ü.T.F + K.L.K. (3 weeks)	NEUROLOGY Y.Ü.T.F. + F.S.M.E.A.H. (3 weeks)
13.01.2014-24.01.2014	UROLOGY Y.Ü.T.F (2 weeks)	INFECTIOUS DISEASES Y.Ü.T.F + H.N.H. (2 weeks)	PEDIATRIC SURGERY Y.Ü.T.F + G.E.A.H. (2 weeks)	PMR Y.Ü.T.F. + G.E.A.H (2 weeks)	RADIOLOGY Y.Ü.T.F. (2 weeks)	NUCLEAR M. Y.Ü.T.F. (1 week) R.ONCOLOGY K.L.K (1 week)	ANESTHESIOLOGY Y.Ü.T.F. (2 weeks)
27.01.2014-14.02.2014	NEUROLOGY Y.Ü.T.F. + F.S.M.E.A.H. (3 weeks)	OPHTHALMOLOGY Y.Ü.T.F. (3 weeks)	ENT Y.Ü.T.F. (3 weeks)	DERMATOLOGY Y.Ü.T.F. (3 weeks)	ORTHOPAEDICS & TRAUMATOLOGY Y.Ü.T.F. (3 weeks)	PSYCHIATRY + CHILD PSY. Y.Ü.T.F + E.R.S.H. (2) + Y.Ü.T.F (1) (3 weeks)	NEUROSURGERY Y.Ü.T.F + K.L.K. (3 weeks)
17.02.2014-28.02.2014	ANESTHESIOLOGY Y.Ü.T.F. (2 weeks)	UROLOGY Y.Ü.T.F (2 weeks)	INFECTIOUS DISEASES Y.Ü.T.F + H.N.H. (2 weeks)	PEDIATRIC SURGERY Y.Ü.T.F + G.E.A.H. (2 weeks)	PMR Y.Ü.T.F. + G.E.A.H (2 weeks)	RADIOLOGY Y.Ü.T.F. (2 weeks)	NUCLEAR M. Y.Ü.T.F. (1 week) R.ONCOLOGY K.L.K. (1 week)
03.03.2014-21.03.2014	NEUROSURGERY Y.Ü.T.F + K.L.K. (3 weeks)	NEUROLOGY Y.Ü.T.F. + F.S.M.E.A.H. (3 weeks)	OPHTHALMOLOGY Y.Ü.T.F. (3 weeks)	ENT Y.Ü.T.F. (3 weeks)	DERMATOLOGY Y.Ü.T.F. (3 weeks)	ORTHOPAEDICS & TRAUMATOLOGY Y.Ü.T.F. (3 weeks)	PSYCHIATRY + CHILD PSY. Y.Ü.T.F + E.R.S.H. (2) + Y.Ü.T.F (1) (3 weeks)
24.03.2014-04.04.2014	NUCLEAR M. Y.Ü.T.F. (1 week) R.ONCOLOGY K.L.K. (1 week)	ANESTHESIOLOGY Y.Ü.T.F. (2 weeks)	UROLOGY Y.Ü.T.F (2 weeks)	INFECTIOUS DISEASES Y.Ü.T.F + H.N.H. (2 weeks)	PEDIATRIC SURGERY Y.Ü.T.F + G.E.A.H. (2 weeks)	PMR Y.Ü.T.F. + G.E.A.H (2 weeks)	RADIOLOGY Y.Ü.T.F. (2 weeks)
07.04.2014-25.04.2014	PSYCHIATRY + CHILD PSY. Y.Ü.T.F + E.R.S.H. (2) + Y.Ü.T.F (1) (3 weeks)	NEUROSURGERY Y.Ü.T.F + K.L.K. (3 weeks)	NEUROLOGY Y.Ü.T.F. + F.S.M.E.A.H. (3 weeks)	OPHTHALMOLOGY Y.Ü.T.F. (3 weeks)	ENT Y.Ü.T.F. (3 weeks)	DERMATOLOGY Y.Ü.T.F. (3 weeks)	ORTHOPAEDICS & TRAUMATOLOGY Y.Ü.T.F. (3 weeks)
28.04.2014-09.05.2014	RADIOLOGY Y.Ü.T.F. (2 weeks)	NUCLEAR M. Y.Ü.T.F. (1 week) R.ONCOLOGY K.L.K. (1 week)	ANESTHESIOLOGY Y.Ü.T.F. (2 weeks)	UROLOGY Y.Ü.T.F (2 weeks)	INFECTIOUS DISEASES Y.Ü.T.F + H.N.H. (2 weeks)	PEDIATRIC SURGERY Y.Ü.T.F + G.E.A.H. (2 weeks)	PMR Y.Ü.T.F. + G.E.A.H (2 weeks)
12-21.05.2014	CL. PHARMACOLOGY Y.Ü.T.F. (GROUP I)				FORENSIC MEDICINE Y.Ü.T.F. (GROUP II)		
22-30.05.2014	FORENSIC MEDICINE Y.Ü.T.F. (GROUP I)				CL. PHARMACOLOGY Y.Ü.T.F. (GROUP II)		

**23-27.06.2014 Incomplete Examination**

Y.Ü.T.F: Yeditepe University Hospital  
H.N.H: Haydarpapa Numune Training and Research Hospital  
F.S.M.E.A.H.: Fatih Sultan Mehmet Training and Research Hospital

G.E.A.H.: Ministry of Health Medeniyet University Göztepe Training and Research Hospital  
E.R.S.H: Erenköy Neuropsychiatric Training and Research Hospital  
K.L.K: Dr. Lütfi Kırdar Kartal Training and Research Hospital



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**STUDENT GROUPS**

**Group 1**

Furkan Batuhan Davun  
Mehmet Bekir Şen  
İbrahim Nahit Şendur  
Gizem Çetinkaya  
Irmak Tekeli  
Burçin Tuvana Us  
Ahmet Tuğrul Yaralı  
Mehmet Deniz Kesimer

**Group 2**

Yiğit Moğol  
Ahmet Saç  
Aliye Sevdem Gülcan  
Merve Deniz Tekin  
Betülhan Sönmez  
Ayşegül Yöner  
Gizem Onurel  
Dilek Damla Saymazlar  
Utkucan Acar

**Group 3**

Birant Boldan  
Alkım Gizem Yılmaz  
Derya Kaya  
Özgün Tolga Nazlıkul  
Hakan Akgün  
Murat Elçin  
Furgan Kasap  
Emrah Tekin

**Group 4**

Sevda Karakaya  
Tuğçe Akgün  
Ozan Başkurt  
Taner Tan  
Aylin İnaltekin  
İlayda Uyat  
Deniz Uluçeçen  
Emine Şahin  
Özge Selahi

**Group 5**

Işıl Kamberoğlu  
Batu Batuge  
Sibel Taner  
Ece Kurtul  
Ayşenur Yaman  
Ömer Faruk Bucak  
Ayfer Sun  
Sevim Didem Şeref  
Gül Köksal

**Group 6**

Beylem Bengi Döğüş  
Ceren Sultan Altay  
Özge Koç  
Buse Sarıgül  
Tevfik Giray Özkırım  
H. Bülent Mermer  
Özlem Sevinç  
Emine Şenkal  
K. Burcu Avanoğlu

**Group 7**

Elçin Bayık  
Arsen Güngör  
Ece Birincioğlu  
Ödül Öntaş  
Onur Küçüközer  
Batuhan Kartal  
Umut Ulutaş  
Fatih Kaya  
Hüseyin Harmanda  
Zeynep Karademir

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**STUDENT COUNSELING**

Student counseling is a structured development process established between the student and the consultant that aims to maximize student success by focusing the student to her/his target. Although the major component of this relationship is the student, the faculties also take part by bringing the requirements of this interaction to their systems. The targeted outcomes of the consultant-student interaction are success in the exams, success in the program, and preparation for the professional life. The aim of counseling is to help students to solve their problems, to give professional guidance, to provide coaching, to contribute to adopting the habit of lifelong learning, to provide information about the University and Faculty, to follow their success and failure and to help them select courses.

The consultants selected among Basic Medical Sciences instructors for the first three years transfer the students to Clinical Sciences instructors for the following three years.

***The topics that will be addressed by the consultants are as follows:***

- a. Inform students about the university, faculty and surrounding facilities
- b. Inform students about the courses and help them select courses
- c. Inform students about the education and assessment regulations
- d. Follow students attendance to lectures and success
- e. In case of failure, investigate the causes and cooperate with the students to overcome them
- f. Help students in career planning
- g. Contribute to students adapting the habit of lifelong learning
- h. Guide students to counseling services of the university
- i. Set a role model as long as the professional susceptibility, professional guidance, intellectual responsibility, interaction with peers, ethics, professional values are concerned
- j. Contribute to cultivation of professional and intellectual development in a rapidly changing world
- k. Inform the coordinator when there are unsolved problems of the students

Consultant-student relationship is a dynamic and mutual process carried out within the campus and the hospital. It is recommended that the consultant and the student meet at least twice during a semester.

***The expectations from the student are as follows:***

- a) Contribute to improvement of satisfaction level in the problem areas
- b) Report the social and economic conditions that require consultant's help
- c) Specify expectations from the education and the department from which this training is taken
- d) Give feedback on the counseling services regarding their satisfaction level

Each student is expected to contact his/her counsellor as soon as possible.

## LIST OF STUDENT COUNSELING

ADI	SOYADI	EĞİTİM DANIŞMANI
UTKUCAN	ACAR	PROF. DR. M EHMET ÇAĞLI KÜLEKÇİ
TUĞÇE	AKGÜN	PROF. DR. MEHMET ÇAĞLI KÜLEKÇİ
HAKAN	AKGÜN	YRD. DOÇ. DR. ASLI ÇETİN ÇELİK
CEREN SULTAN	ALTAY	YRD. DOÇ. DR. ASLI ÇETİN ÇELİK
KEZBAN BURCU	AVANOĞLU	YRD. DOÇ. DR. ASLI ÇETİN ÇELİK
A.BATU	BATUGE	YRD. DOÇ. DR. CAN AKTAŞ
OZAN	BAŞKURT	YRD. DOÇ. DR. CAN AKTAŞ
ELÇİN	BAYIK	YRD. DOÇ. DR. CAN AKTAŞ
ECE	BİRİNCİOĞLU	YRD.DOÇ.DR.OĞUZHAN ZAHMACIOĞLU
BİRANT	BOLDAN	YRD. DOÇ. DR. DİDEM AY
ÖMER FARUK	BUCAK	YRD. DOÇ. DR. DİDEM AY
GİZEM	ÇETİNKAYA	YRD. DOÇ. DR. DİDEM AY
FURKAN BATUHAN	DAVUN	YRD.DOÇ.DR.OĞUZHAN ZAHMACIOĞLU
BEYLEM BENGİ	DÖĞÜŞ	DOÇ. DR. SEZGİN SARIKAYA
MURAT	ERÇİN	DOÇ. DR. SEZGİN SARIKAYA
ALİYE SEVDEM	GÜLCAN	DOÇ. DR. SEZGİN SARIKAYA
ARSEN	GÜNGÖR	YRD.DOÇ.DR.OĞUZHAN ZAHMACIOĞLU
HÜSEYİN	HARMANDA	PROF. DR. FİLİZ BAKAR
AYLİN	İNALTEKİN	PROF. DR. FİLİZ BAKAR
SALİH BATUHAN	KARTAL	PROF. DR. FİLİZ BAKAR
SEVDA	KARAKAYA	PROF. DR. MEHMET REHA CENGİZLİER
IŞIL	KAMBEROĞLU	PROF. DR. MEHMET REHA CENGİZLİER
FURGAN	KASAP	YRD. DOÇ. DR. GÜLAY ÇİLER ERDAĞ
DERYA	KAYA	YRD. DOÇ. DR. GÜLAY ÇİLER ERDAĞ
FATİH	KAYA	YRD. DOÇ. DR. GÜLAY ÇİLER ERDAĞ
MEHMET DENİZ	KESİMER	YRD. DOÇ. DR. MELTEM UĞRAŞ
ZEYNEP	KARADEMİR	PROF. DR. GÜLÇİN KANTARCI
ÖZGE	KOÇ	YRD. DOÇ. DR. MELTEM UĞRAŞ
GÜL	KÖKSAL	YRD. DOÇ. DR. MELTEM UĞRAŞ
ECE	KURTUL	YRD. DOÇ. DR. SUAT BİÇER
ONUR	KÜÇÜKÖZER	YRD. DOÇ. DR. SUAT BİÇER
HÜSEYİN BÜLENT	MERMER	YRD. DOÇ. DR. SUAT BİÇER
YİĞİT	MOĞOL	YRD. DOÇ. DR. ÖZNUR KÜÇÜK
ÖZGÜN TOLGA	NAZLIKUL	YRD. DOÇ. DR. ÖZNUR KÜÇÜK
GİZEM	ONUREL	YRD. DOÇ. DR. ÖZNUR KÜÇÜK
ÖDÜL	ÖNTAŞ	PROF. DR. MEHMET OKTAY TAŞKAPAN
TEVFİK GİRAY	ÖZKIRIM	PROF. DR. MEHMET OKTAY TAŞKAPAN
AHMET	SAÇ	YRD. DOÇ. DR. ASUMAN CÖMERT
BUSE	SARIGÜL	YRD. DOÇ. DR. ASUMAN CÖMERT

DİLEK DAMLA	SAYMAZLAR	YRD. DOÇ. DR. ASUMAN CÖMERT
ÖZGE	SELAHİ	YRD. DOÇ. DR. ÖZLEM AKIN
ÖZLEM	SEVİNÇ	YRD. DOÇ. DR. ÖZLEM AKIN
BETÜLHAN	SÖNMEZ	YRD. DOÇ. DR. ÖZLEM AKIN
AYFER	SUN	DOÇ. DR. MERAL SÖNMEZOĞLU
EMİNE	ŞAHİN	DOÇ. DR. MERAL SÖNMEZOĞLU
SEVİM DİDEM	ŞEREF	DOÇ. DR. MERAL SÖNMEZOĞLU
MEHMET BEKİR	ŞEN	PROF. DR. ECE AYDOĞ
İBRAHİM NAHİT	ŞENDUR	PROF. DR. ECE AYDOĞ
EMİNE	ŞENKAL	PROF. DR. ECE AYDOĞ
TANER	TAN	PROF. DR. SELAMİ SÖZÜBİR
SİBEL	TANER	PROF. DR. EMİNE SEVDA ÖZDOĞAN
IRMAK	TEKELİ	PROF. DR. CENGİZ PATA
EMRAH	TEKİN	PROF. DR. EMİNE SEVDA ÖZDOĞAN
MERVE DENİZ	TEKİN	PROF. DR. EMİNE SEVDA ÖZDOĞAN
DENİZ	ULUÇEÇEN	PROF. DR. CENGİZ PATA
UMUT	ULUTAŞ	PROF. DR. CENGİZ PATA
BURÇİN TUVANA	US	PROF. DR. BAŞAK OYAN ULUÇ
İLAYDA	UYAT	PROF. DR. BAŞAK OYAN ULUÇ
AYŞENUR	YAMAN	PROF. DR. BAŞAK OYAN ULUÇ
AHMET TUĞRUL	YARALI	PROF. DR. GÜLÇİN KANTARCI
ALKİM GİZEM	YILMAZ	PROF. DR. GÜLÇİN KANTARCI
AYŞEGÜL	YÖNEM	PROF. DR. GÜLÇİN KANTARCI

**YEDİTEPE UNIVERSITY**  
**FACULTY OF MEDICINE**  
**PHASE V**

**ASSESSMENTS**

**Assessment details will be announced and explained in the introductory lectures at the beginning of the clerkship.**

**Clerkship Examination :**

- A) Written Assessment :** Written Examination  
Number of Questions in WE : 50-100  
Question Type Distribution \* : 60% Multiple Choice Questions (MCQ)  
20% Extended Match Questions (EMQ)  
20% Key Features Examination

**B) Clinical / Practical Assessments and Observation:**

Objective Structured Oral Examination  
Practical Examination  
Clerkship Guide  
Portfolio  
Presentation  
Seminars  
Mini Clinic Examination

**\*Figures are percentages of points in total written exam score.**

**\*Figures do not correspond to exact number of questions.**

**YEDİTEPE UNIVERSITY**  
**FACULTY OF MEDICINE**  
**PHASE V**

**HOSPITAL ORIENTATION PROGRAM**

(The program is held in conference hall in Yeditepe University Hospital on the 2nd of September 2013 between 10:00-13:00 hours. Every student should attend the orientation program.)

Prof. Dr. Selami Sözübir / Emine Kurt 45 min.....	Quality Improvement and Patient Safety
Prof. Dr. Selami Sözübir / Emine Kurt 60 min.....	International Patient Safety
Assoc.Prof.Dr. Meral Sönmezoğlu / Sevim Şen (Nurse) 60 min.....	Infection Control Program
Anıl Sönmez (Pharmacist) 45 min.....	Drug Safety
Mehmet Ünsal (Engineer) 60 min.....	Emergency Management

**ORTHOPAEDICS AND TRAUMATOLOGY CLERKSHIP**  
**(3 weeks)**  
**YEDİTEPE UNIVERSITY HOSPITAL**

Head of the Department of Orthopaedics and Traumatology: Faik Altıntaş, MD Prof.  
Melih Güven, MD Assoc. Prof.  
Çağatay Uluçay, MD Assist. Prof.  
Turhan Özler, MD Assist. Prof.  
Ayberk Önal, MD  
Burak Çağrı Aksu, MD  
Mehmet Eşref Ercan, MD  
Ömer Alp Taştan, MD

CLERKSHIP	ORTHOPAEDICS and TRAUMATOLOGY <i>Aim of this clerkship is to;</i>
AIM	<ol style="list-style-type: none"> <li>1. <b>convey</b> necessary knowledge on symptoms of congenital, acquired or traumatic clinical conditions related to musculoskeletal system,</li> <li>2. <b>equip</b> students <b>with</b> knowledge, skills and attitudes required to detect clinical sings in clinical conditions related to musculoskeletal system,</li> <li>3. <b>equip</b> students <b>with</b> knowledge, skills and attitudes required to employ diagnostic tools and treatment modalities in clinical conditions related to musculoskeletal system.</li> </ol>
<i>At the end of this term, student should be able to:</i>	
KNOWLEDGE	1. <b>explain</b> anatomy and physiology of musculoskeletal system, besides pathology of clinical conditions related to musculoskeletal system
	2. <b>describe</b> diagnosis of traumatic, skeletal and soft tissue pathologies, and their management in emergency states
	3. <b>describe</b> congenital pediatric orthopedic problems and general treatment strategies
	4. <b>describe</b> physiopathological causes of degenerative disorders and optimal managements
	5. <b>describe</b> degenerative spinal disorders, spine deformities and traumatic spine disorders
	6. <b>explain</b> diagnostic and therapeutic modalities in sports injury
	7. <b>describe</b> classification, diagnosis and treatment modalities in musculoskeletal tumors
SKILLS	<ol style="list-style-type: none"> <li>8. <b>perform</b> orthopedic examination of musculoskeletal system,</li> <li>9. <b>perform</b> first aid, wound care, bandaging, and management of temporary fracture stabilization, in case of fracture</li> </ol>
ATTITUDES	10. <b>be aware of</b> importance of differentiation of musculoskeletal diseases and fractures,
	<ol style="list-style-type: none"> <li>11. <b>make</b> guidance to patient about treatment,</li> <li>12. <b>have</b> good communication with patient and accompanying persons or care givers</li> </ol>

## Orthopaedics and Traumatology Phase V

### 1. Week

	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
8:00-9:00	<b>Dr F. Altıntaş</b> Introduction to Orthopaedics and Traumatology	Student Presentation Operation / Policlincs Preop-X Ray Round	Student Presentation Operation / Policlincs Preop-X Ray Round	Student Presentation Operation / Policlincs Preop-X Ray Round	Student Presentation Operation / Policlincs Postop X-Ray Round
9:00-12:00	Operation / Policlincs	Operation / Policlincs	Operation / Policlincs	Operation / Policlincs	Operation / Policlincs
12:00-13:00	<b>LUNCH BREAK</b>	<b>LUNCH BREAK</b>	<b>LUNCH BREAK</b>	<b>LUNCH BREAK</b>	<b>LUNCH BREAK</b>
14:00-16:00	<b>Dr M. Güven</b> Pelvis and Acetabular Fractures Open Fractures and Wound Treatment Fractures of Children	<b>Dr T. Özler</b> Dislocations and Fractures of the Lower Extremity	<b>Dr F. Altıntaş</b> Basic Principles of Fractures and Fracture Healing Osteomyelitis and Septic Arthritis	<b>Dr M. Güven</b> Benign and Malign Bone Tumors	<b>Dr Ç. Uluçay</b> Spinal Trauma and Fractures
16:00-17:00	Examination of Hip	Examination of Knee	Examination of Upper Extremity	Pediatric Examination	Cast Application

### 2. Week

8:00-9:00	Student Presentation Operation / Policlincs Preop-X Ray Round	Student Presentation Operation / Policlincs Preop-X Ray Round	Student Presentation Operation / Policlincs Preop-X Ray Round	Student Presentation Operation / Policlincs Preop-X Ray Round	Student Presentation Operation / Policlincs Postop X-Ray Round
9:00-12:00	Operation / Policlincs	Operation / Policlincs	Operation / Policlincs	Operation / Policlincs	Operation / Policlincs
12:00-13:00	<b>LUNCH BREAK</b>	<b>LUNCH BREAK</b>	<b>LUNCH BREAK</b>	<b>LUNCH BREAK</b>	<b>LUNCH BREAK</b>
14:00-16:00	<b>Dr. M. Güven</b> Developmental Dysplasia of The Hip Perthes Disease Slipped Capital Femoral Epiphysis	<b>Dr T. Ozler</b> Metabolic Bone Diseases Avascular Bone Necrosis and Management in Adults	<b>Dr F. Altıntaş</b> Cerebral Palsy Osteoarthritis and Arthroplasty	<b>Dr T. Ozler</b> Shoulder and Elbow Problems Knee Problems in Sports Medicine and Arthroscopy Cartilage Biology and Injuries	<b>Dr Ç. Uluçay</b> Scoliosis and Kyphosis Degenerative and Inflammatory Diseases of the Spine
16:00-17:00	Gait Evaluation	Wound Management	Management after Sports Injury	Examination of Spine	Examination of Cerebral Palsy



### 3. Week

	Student	Student	Student	Student	
	Presentation	Presentation	Presentation	Presentation	
8:00-9:00	Operation / Polyclinics	Operation / Polyclinics	Operation / Polyclinics	Operation / Polyclinics	
	Preop-X Ray	Preop-X Ray	Preop-X Ray	Preop-X Ray	
	Round	Round	Round	Round	
9:00-12:00	Operation / Polyclinics	Operation / Polyclinics	Operation / Polyclinics	Operation / Polyclinics	<b>Written Examination</b>
12:00-13:00	<b>LUNCH BREAK</b>	<b>LUNCH BREAK</b>	<b>LUNCH BREAK</b>	<b>LUNCH BREAK</b>	<b>LUNCH BREAK</b>
	<b>Dr M. Güven</b>	<b>Dr T. Ozler</b>	<b>Dr Ç. Uluçay</b>	<b>Dr Ç. Uluçay</b>	
14:00-16:00	Congenital Anomalies of the Lower Extremity PEV	Disorders of the Foot and Ankle	Dislocations and Fractures of the Upper Extremity	Microvascular Surgery and Replantations	<b>Oral Examination</b>
16:00-17:00	Evaluation of X- ray in Pediatric Orthopaedics	Evaluation of X-ray in Tumors	The Follow-up after Microsurgery		

**PSYCHIATRY CLERKSHIP**  
(2 weeks)  
**YEDİTEPE UNIVERSITY HOSPITAL**

Hakan Atalay, MD Assist. Prof.  
Naz Berfu Akbaş, MD Assist. Prof.

&

**ERENKÖY NEUROPSYCHIATRIC RESEARCH AND TRAINING HOSPITAL**  
Serkan Çıtak, MD Assoc.Prof.  
Ümit Başar Semiz, MD Assoc.Prof.

CLERKSHIP	PSYCHIATRY <i>Aim of this clerkship is to;</i>
AIM	<ol style="list-style-type: none"> <li>1. <b>convey</b> necessary knowledge on psychiatric disorders, diagnosis and differential diagnosis,</li> <li>2. <b>equip</b> students <b>with</b> knowledge, skills and attitudes required to start treatment of diseases,</li> <li>3. <b>equip</b> students <b>with</b> knowledge, skills and attitudes required to perform follow-up in primary health care services,</li> <li>4. <b>equip</b> students <b>with</b> knowledge, skills and attitudes required to inform patient and their relatives about disorder,</li> <li>5. <b>equip</b> students <b>with</b> knowledge, skills and attitudes required to direct patient to specialist when necessary.</li> </ol>
<i>At the end of this term, student should be able to:</i>	
KNOWLEDGE	<ol style="list-style-type: none"> <li>1. <b>describe</b> organic, physiological and psychological causes of depression, anxiety and panic attacks</li> <li>2. <b>describe</b> organic, physiological and psychological factors related with bipolar disorder, phobias, substance use disorders, psychosomatic disorders, ADHD</li> <li>3. <b>describe</b> personality disorders</li> </ol>
SKILLS	<ol style="list-style-type: none"> <li>4.1. <b>assess</b> mental status,</li> <li>4.2. <b>take</b> psychiatric history</li> <li>5. <b>make</b> psychiatric examination</li> </ol>
ATTITUDES	<ol style="list-style-type: none"> <li>6. <b>make</b> neutral, extra-judicial and indiscriminate approaches to patient</li> <li>7.1. <b>value</b> privacy of patients,</li> <li>7.2. <b>give</b> patients confidence</li> <li>8. <b>maintain</b> empathy and effective communication with patient and accompanying persons or care givers</li> </ol>
COMPETENCIES	<ol style="list-style-type: none"> <li>9.1. <b>distinguish</b> symptoms and signs of psychiatric conditions,</li> <li>9.2. <b>arrange</b> appropriate order for laboratory tests and consultations</li> <li>9.3. <b>diagnose</b> psychiatric conditions,</li> <li>9.4. <b>do</b> preliminary interventions,</li> <li>9.5. <b>make</b> stabilization of psychiatric emergency cases in emergency conditions like suicide, conversion disorder, manic episode, substance-related emergencies</li> <li>9.6. <b>arrange</b> appropriate initial treatment,</li> <li>9.7. <b>inform</b> patients and care givers on personality disorders</li> <li>9.8. <b>schedule</b> follow-up process</li> <li>9.9. <b>refer</b> to specialist when necessary</li> <li>10. <b>handle</b> self protection from a violent patient</li> </ol>

## EDUCATION SCHEDULE

	Lesson	Lecturer
<b>1</b>	Management of Patients with Psychiatric Problems in Emergent Situations	Hakan Atalay
<b>2</b>	Affective Disorders (Depression, Mania)	Naz Berfu Akbaş
<b>3</b>	Alcohol, Drug, and Substance Dependence, Withdrawal, and Intoxication	Naz Berfu Akbaş
<b>4</b>	Anxiety (Panic and Other Anxiety) Disorders	Naz Berfu Akbaş
<b>5</b>	Sexual (Function and Identity) Disorders	Naz Berfu Akbaş
<b>6</b>	Phobic Disorders	Naz Berfu Akbaş
<b>7</b>	Suicide	Hakan Atalay
<b>8</b>	Personality Disorders	Hakan Atalay
<b>9</b>	Cognitive Disorders	Naz Berfu Akbaş
<b>10</b>	Conversion Disorders (acute)	Naz Berfu Akbaş
<b>11</b>	Obsessive-Compulsive and Related Disorders	Hakan Atalay
<b>12</b>	Post-Traumatic Stress Disorder	Hakan Atalay
<b>13</b>	Psychiatric Examination and Interview	Hakan Atalay
<b>14</b>	Psychosomatic Disorders (including Fibromyalgia)	Naz Berfu Akbaş

<b>15</b>	Psychotic (Schizophrenia and Spectrum) Disorders	Hakan Atalay
<b>16</b>	Sleep-Wake Disorders	Hakan Atalay
<b>17</b>	Eating Disorders	Naz Berfu Akbaş

#### FIRST WEEK

	<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
09:00-10:00	Erenköy NRTH - Practice	Erenköy NRTH - Practice	Yeditepe University	Erenköy NRTH - Practice	Erenköy NRTH - Practice
10:00-11:00	Erenköy NRTH - Practice	Practice	Hospital and Bagdat Cad	Erenköy NRTH - Practice	Erenköy NRTH - Practice
11:00-12:00	Erenköy NRTH - Practice	Practice	Policlinic (Theoric Course)	Erenköy NRTH - Practice	Erenköy NRTH - Practice
12:00-14:00					
14:00-16:30	Yeditepe University Hospital (Theoric Course)	Yeditepe University Hospital (Theoric Course)	Yeditepe University Hospital or Bagdat Cad Policlinic (Theoric Course)	Yeditepe University Hospital (Theoric Course)	Yeditepe University Hospital (Theoric Course)
16:30-16:00	Supervision	Supervision	Supervision	Supervision	Supervision

Erenköy NRTH: Erenköy Neuropsychiatric Training and Research Hospital

## SECOND WEEK

	<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
09:00-10:00	Erenköy NRTH - Practice	Erenköy NRTH - Practice	Yeditepe University Hospital or Bagdat Cad Polyclinic (Theoric Course)	Erenköy NRTH - Practice	Erenköy NRTH - Practice
10:00-11:00	Erenköy NRTH - Practice	Practice		Erenköy NRTH - Practice	
11:00-12:00	Erenköy NRTH - Practice	Practice		Erenköy NRTH - Practice	Erenköy NRTH - Practice
12:00-13:00					Examination
14:00-16:30	Yeditepe University Hospital (Theoric Course)	Yeditepe University Hospital (Theoric Course)	Yeditepe University Hospital or Bagdat Cad Polyclinic (Theoric Course)	Yeditepe University Hospital or Bagdat Cad Polyclinic (Theoric Course)	Yeditepe University Hospital or Bagdat Cad Polyclinic (Theoric Course)
16:30-18:00	Supervision	Supervision	Supervision	Supervision	Supervision

**CHILD AND ADOLESCENT PSYCHIATRY CLERKSHIP**  
(1 week)

**YEDİTEPE UNIVERSITY HOSPITAL**

Oğuzhan Zahmacıoğlu, MD. Assist Prof.

CLERKSHIP	CHILD AND ADOLESCENT PSYCHIATRY <i>Aim of this clerkship is to;</i>
AIM	<ol style="list-style-type: none"> <li>1. <b>convey</b> necessary knowledge on psychiatric disorders, diagnosis and differential diagnosis,</li> <li>2. <b>equip</b> students <b>with</b> knowledge, skills and attitudes required to start treatment of diseases,</li> <li>3. <b>equip</b> students <b>with</b> knowledge, skills and attitudes required to perform follow-up in primary health care services,</li> <li>4. <b>equip</b> students <b>with</b> knowledge, skills and attitudes required to inform patient and their relatives about disorder,</li> <li>5. <b>equip</b> students <b>with</b> knowledge, skills and attitudes required to direct patient to specialist when necessary.</li> </ol>
<i>At the end of this term, student should be able to:</i>	
KNOWLEDGE	<ol style="list-style-type: none"> <li>1. <b>describe</b> organic, physiological and psychological causes of depression, anxiety and panic attacks</li> <li>2. <b>describe</b> organic, physiological and psychological factors related with bipolar disorder, phobias, substance use disorders, psychosomatic disorders, ADHD</li> <li>3. <b>describe</b> personality disorders</li> </ol>
SKILLS	<ol style="list-style-type: none"> <li>4.1. <b>assess</b> mental status,</li> <li>4.2. <b>take</b> psychiatric history</li> <li>5. <b>make</b> psychiatric examination</li> </ol>
ATTITUDES	<ol style="list-style-type: none"> <li>6. <b>make</b> neutral, extra-judicial and indiscriminate approaches to patient</li> <li>7.1. <b>value</b> privacy of patients,</li> <li>7.2. <b>give</b> patients confidence</li> <li>8. <b>maintain</b> empathy and effective communication with patient and accompanying persons or care givers</li> </ol>
COMPETENCIES	<ol style="list-style-type: none"> <li>9.1. <b>distinguish</b> symptoms and signs of psychiatric conditions,</li> <li>9.2. <b>arrange</b> appropriate order for laboratory tests and consultations</li> <li>9.3. <b>diagnose</b> psychiatric conditions,</li> <li>9.4. <b>do</b> preliminary interventions,</li> <li>9.5. <b>make</b> stabilization of psychiatric emergency cases in emergency conditions like suicide, conversion disorder, manic episode, substance-related emergencies</li> <li>9.6. <b>arrange</b> appropriate initial treatment,</li> <li>9.7. <b>inform</b> patients and care givers on personality disorders</li> <li>9.8. <b>schedule</b> follow-up process</li> <li>9.9. <b>refer</b> to specialist when necessary</li> <li>10. <b>handle</b> self protection from a violent patient</li> </ol>

## LECTURES

1. Introduction to child and adolescent psychiatry
2. Psychiatric assessment of the child
3. Understanding normal and deviant mental development
4. Risk and protective factors in child mental development
5. Assessing families
6. Child abuse and neglect
7. Normal development in adolescence
8. Common adolescent problems and relations with family
9. Pervasive developmental disorders
10. Mental retardation
11. Attention deficit hyperactivity disorder and conduct disorder.
12. Tics and Tourette's disorder
13. Enuresis and encopresis
14. Separation anxiety disorder and other childhood anxiety disorders.
15. Mood disorders in childhood and adolescence
16. Psychiatric treatments of child and adolescent mental disorders:
  - a) Psychotherapies
  - b) Pharmacologic treatments

**NEUROSURGERY CLERKSHIP**  
(3 weeks)

**YEDİTEPE UNIVERSITY HOSPITAL**

Head of the Department Neurosurgery: Uğur Türe, MD Prof.  
Başar Atalay, MD Prof.

&

**DR. LÜTFİ KIRDAR KARTAL TRAINING AND RESEARCH HOSPITAL**

Tufan Hiçdönmez, MD Assoc. Prof.

CLERKSHIP	NEUROSURGERY <i>Aim of this clerkship is to;</i>
AIM	1. <b>convey</b> necessary knowledge on common neurosurgical diseases including pathology, symptomatology and clinical findings of neurosurgical diseases required to organize early treatment and referral of patients to appropriate center upon indication
<i>At the end of this term, student should be able to:</i>	
KNOWLEDGE	1. <b>recognize</b> general clinical presentation in neurosurgical patients.
	2. <b>recognize</b> neurosurgical emergencies ( <i>head trauma and brain injury, vertebral dislocations and fractures, intracerebral hemorrhage, subarachnoid hemorrhage, epidural and subdural hematoma, peripheral nerve injuries and acute intervertebral disc herniation</i> )
	3.1 <b>recognize</b> intracranial hypertension and brain herniation syndromes after head trauma
	3.2 <b>recognize</b> open and closed skull base fractures and cerebrospinal fluid fistulas.
	4. <b>recognize</b> clinical findings in common brain tumors to refer patients to appropriate centers.
	5. <b>describe</b> spinal trauma and spinal cord injury in early period and transfer of patient to appropriate center based on knowledge of immobilization status.
	6. <b>recognize</b> non-traumatic neck, dorsal and low back pain ( <i>spinal stenosis, spondylitis, spondylosis, osteoarthritis, spondylolisthesis, intervertebral disc herniations</i> ) .
	7. <b>describe</b> differential diagnosis of metastatic spinal tumors and primary spinal tumors with other spinal disorders.
	8. <b>define</b> common peripheral nerve compression syndromes and peripheral nerve injuries ( <i>carpal tunnel syndrome, ulnar nerve entrapment, thoracic outlet syndrome, meralgia paresthetica, peroneal entrapment, tarsal tunnel syndrome</i> ).
	9. <b>describe</b> early diagnosis of hydrocephalus, craniosynostosis and spinal dysraphism.
	10. <b>recognize</b> common neurosurgical infections like meningitis, brain abscess, tuberculosis, brucella spondylitis
	11. <b>describe</b> management of plegic patients to prevent bedsores, encourage mobilization and hygiene.
SKILLS	12.1 <b>do</b> patient history taking 12.2. <b>make</b> neurological examination in neurosurgical patients.



	13.1 <b>perform</b> resuscitation, intravenous catheter placement, wound cleaning and closure in neurosurgical emergencies. 13.2 <b>make</b> immobilization, apply corset in spinal trauma and knows how to transfer patient in penetrating head trauma to start early emergent treatment 14. <b>plan</b> initial treatment of increased intracranial pressure. 15. <b>do</b> initial treatment of neurogenic shock, spinal shock and hemorrhagic shock. 16. <b>do</b> wound cleaning and dress changing in patients with meningocele and meningomyelocele for protection of sac. 17.1. <b>make</b> advices about protective precautions in degenerative spinal diseases 17.2. <b>start</b> conservative treatment.
<b>ATTITUDES</b>	18. <b>be aware of</b> importance of early treatment in neurosurgical emergencies and referral of patients to appropriate center when necessary 19.1. <b>prefer</b> conservative treatment 19.2. <b>take</b> protective precautions in neurosurgical patients in addition to referring patients to appropriate centers when necessary.
<b>COMPETENCIES</b>	20.1. <b>start</b> emergency and early treatment in neurosurgical emergencies 20.2. <b>organize</b> referral of patients.

### Medical Student's Neurosurgery Curriculum Main Topics

#### 1. General Introduction to Neurosurgery: Uğur Türe, Başar Atalay

Lecture 1: Introduction to Neurosurgery

Lectures 2: Intracranial Hypertension

#### 2. Intracranial Disease Topics: Uğur Türe, Başar Atalay

**Lecture 3:** Diagnosis and Management of Head Trauma

**Lecture 4:** Diagnosis and Management of Brain Tumor

**Lecture 5:** Diagnosis and Management of Cerebrovascular Disease

#### 3. Spinal Disease: Başar Atalay

Lecture 6: Diagnosis and Management of Spinal Trauma and Spinal Cord Injury

Lecture 7: Diagnosis and Management of Nontraumatic Neck and Back Problems and Degenerative Spinal Diseases

#### 4. Peripheral Nerve Disease: Başar Atalay

Lecture 8: Diagnosis and Management of Peripheral Nerve Injury and Entrapment

#### 5. Pediatric Neurosurgical Problems: Tufan Hiçdönmez

Lecture 9: Diagnosis and Management of Hydrocephalus and Spinal Dysraphism

#### 6. Functional Neurosurgery: Tufan Hiçdönmez

Lecture 10: Diagnosis and Management of Surgically Treatable Pain Problems, Movement Disorders and Epilepsy

**1st Week Yeditepe University Hospital****Monday**

9.00-10.00	Introduction to Neurosurgery
10.30-12.00	Grand Round
13.30-15.30	Practice (Neurosurgical Ward)
15.30-17.00	Practice (Outpatient Clinic)

**Tuesday**

9.00-10.00	Grand Round
10.00-13.00	Operating Room
13.30-15.30	Practice (Neurosurgical Ward)
15.30-17.00	Practice (Outpatient Clinic)

**Wednesday**

9.00-10.00	Grand Round
10.30-12.00	Lectures and Seminars
12.30-15.30	Hospital Conferences
15.30-17.30	Lectures and Seminars

**Thursday**

9.00-10.00	Grand Round
10.30-13.00	Operating Room
13.30-15.30	Practice (Neurosurgical Ward)
15.30-17.00	Lectures and Seminars

**Friday**

9.00-10.00	Student Seminar and Journal Club
10.30-12.00	Lectures and Seminars
13.30-15.00	Practice (Neurosurgical Ward)
15.00-17.00	Lectures and Seminars

**Saturday**

10.00-12.00	Neurosurgery, Pathology and Radiology Joint Meeting
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**2nd Week Yeditepe University Hospital****Monday**

9.00-10.00	Grand Round
10.30-12.00	Lectures and Seminars
13.30-15.30	Practice (Neurosurgical Ward)
15.30-17.00	Lectures and Seminars

**Tuesday**

9.00-10.00	Grand Round
10.00-13.00	Operating Room
13.30-15.30	Practice (Neurosurgical Ward)
15.30-17.30	Lectures and Seminars

**Wednesday**

9.00-10.00	Grand Round
10.30-12.00	Lectures and Seminars
12.30-15.30	Hospital Conferences
15.30-17.30	Lectures and Seminars

**Thursday**

9.00-10.00	Grand Round
10.30-13.00	Operating Room
13.30-15.30	Practice (Neurosurgical Ward)
15.30-17.30	Lectures and Seminars

**Friday**

9.00-10.00	Student Seminar and Journal Club
10.30-12.00	Lectures and Seminars
13.30-15.00	Practice (Neurosurgical Ward)
15.00-16.00	Lectures and Seminars

**Saturday**

10.00-12.00	Neurosurgery, Pathology and Radiology Joint Meeting
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**3rd Week      DR. Lütfi Kırdar Kartal Training and Research Hospital , 2<sup>nd</sup> Neurosurgery Clinic**

**Tufan Hiçdönmez**

<b>Monday</b>	
8.30-9.00	Grand Round
10.30-12.00	Lecture
14.00-15.30	Practice (Neurosurgical Ward)
<b>Tuesday</b>	
8.30-9.00	Grand Round
10.30-12.00	Lecture
14.00-15.30	Practice (Neurosurgical Ward)
<b>Wednesday</b>	
8.30-9.00	Grand Round
10.30-12.00	Lecture
14.00-15.30	Practice (Neurosurgical Ward)
<b>Thursday</b>	
8.30-9.00	Grand Round
10.30-12.00	Lecture
14.00-15.30	Practice (Neurosurgical Ward)
<b>Friday</b>	
8.30-9.00	Grand Round
10.30-12.00	Lecture
14.00-15.30	Practice (Neurosurgical Ward)

**Saturday**

<b>8.00-12.00</b>	<b>Neurosurgery Written and Oral Examination (Yeditepe University Department of Neurosurgery)</b>
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**NEUROLOGY CLERKSHIP**  
(3 weeks)  
**YEDİTEPE UNIVERSITY HOSPITAL**

Head of the Department Neurology: **Berrin Aktekin, MD Prof.**  
**Burcu Uğurel, MD Assist. Prof.**

**&**

**FATİH SULTAN MEHMET TRAINING AND RESEARCH HOSPITAL**

Cheif of Neurlogy Department: **Eren Gözke, MD Assoc. Prof.**

CLERKSHIP	NEUROLOGY <i>Aim of this clerkship is to;</i>
AIM	<ol style="list-style-type: none"> <li><b>equip</b> students <b>with</b> necessary knowledge, skills and attitudes to recognize pathology, symptomatology and clinical properties of clinical conditions related to neurology,</li> <li><b>equip</b> students <b>with</b> necessary knowledge, skills and attitudes to initiate neurologic medical treatment in emergency cases, and to refer patients to specialized medical departments</li> </ol>
<i>At the end of this term, student should be able to:</i>	
KNOWLEDGE	1. <b>describe</b> clinical presentations of clinical conditions related to neurology ( <i>headache, demyelinating diseases, movement disorders, dementia, epilepsy, sleep disorders, cerebrovascular diseases, muscle disorders, peripheral nerve and spinal cord diseases</i> )
	2. <b>explain</b> early interventions in clinical conditions related to neurology
	3. <b>explain</b> prognosis of clinical conditions related to neurology
	4. <b>recognize</b> drugs which should not be used in neurological diseases
SKILLS	5. <b>take</b> relevant medical history of clinical conditions related to neurology
	6. <b>make</b> neurological examination
	7. <b>apply</b> examinations to make differential diagnosis ( <i>to exclude cardiac and metabolic pathologies</i> )
	8. <b>design</b> initial interventions to keep blood pressure in normal limits or to stop drugs in use in stroke patients with hypertension
	9. <b>evaluate</b> Glasgow coma scoring of unconscious patients
	10. <b>plan</b> and <b>request</b> medical tests to investigate etiology of unconsciousness
ATTITUDES	11. <b>be aware of</b> importance of differentiation of neurological complaints
	12. <b>prioritize</b> urgent examinations
	13. <b>value</b> early invention
	14. <b>support</b> patients with information for protective measures
	15. <b>warn</b> patients for drugs which should not be used in neurological diseases
COMPETENCIES	16. <b>start</b> urgent medical interventions in neurological emergencies ( <i>epileptic seizure, status epilepticus, ischemic and hemorrhagic stroke, myasthenia crisis, CNS infections, acute autoimmune polyneuropathies, headaches with secondary etiologies and/or with primer etiologies which need early intervention</i> )
	17. <b>make</b> patient referrals to appropriate specialized medical departments
	18. <b>make</b> basic treatment of patients with chronic neurological conditions ( <i>following hydration situation of immobile patients, nourishment of patients, preventing of decubitus, checking drug convergence of patients and giving information</i> )

**Lectures:**

1. Neurological examination.....	Eren Gözke,MD
2. Coma.....	Nuket Yıldız Manukyan,MD
3. Headache .....	Burcu Uğurel ,MD
4. Encephalopathies.....	Burcu Örmeci,MD
5. Cerebrovascular diseases.....	Işıl Kalyoncu Aslan,MD
6. Parkinson and Extrapramidal system disorders.....	Burcu Uğurel,MD
7. Multiple Sclerosis and demyelinating disorders.....	Eren Gözke,MD
8. Epilepsy .....	Berrin Aktekin,MD
9. CNS infections.....	Burcu Uğurel,MD
10. Myasthenia Gravis ve Neuromuscular junction disorders.....	Berrin Aktekin ,MD
11. Muscle diseases.....	Berrin Aktekin ,MD
12. ALS and motor neuron diseases.....	Gökçen Akar,MD
13. Polyneuropathies.....	Eren Gözke,MD
14. Dementia.....	Burcu Uğurel,MD
15. Sleep disorders.....	Burcu Uğurel,MD
16. Spinal Cord Diseases .....	Berrin Aktekin ,MD

**Seminars:**

1. Approach to neurological ill patient
2. Examination of eye movements
3. Neurological examination
4. Pyramidal, extrapyramidal, cerebellar systems
5. Cerebral lobes
6. Cranial nerves
7. Emergency states in neurology
8. Speech disorders
9. Fundoscopic examination and clinical utilisation
10. Neuroradiology
11. Lumbar puncture and clinical utility
12. Examination of motor and sensory pathways
13. Mental disease
14. Examination of an aphasic patient
15. Approach to a patient with behavioral disorders
16. Status epilepticus
17. Approach to paraplegic patient

Case presentation	x	4 hrs
Grand round	x	12 hrs
Outpatient clinics	x	20 hrs
Pratic	x	20 hrs
Emergency	x	1 night/ per person

**Monday 1.**

08.00-09.20	Grand Round	
09.20-10.20	Grand Round	
10.30-11.20	Grand Round	
11.30-12.20	Grand Round	
13.30-14.20	Lecture Movement Disorders	Burcu Uğurel,MD
14.30-15.20	Lecture Movement Disorders	Burcu Uğurel,MD
15.30-16.20	Bed Side Teaching	Eren Gözke,MD
16.30-17.20	Bed Side Teaching	Eren Gözke,MD

**Tuesday**

08.00-09.20	Grand Round	
09.20-10.20	Grand Round	
10.30-11.20	Lecture Neurologic Examination	Eren Gözke,MD
11.30-12.20	Lecture Neurologic Examination	Eren Gözke,MD
13.30-14.20	Case presentation	Eren Gözke,MD
14.30-15.20	Case presentation	Eren Gözke,MD
15.30-16.20	Case presentation	Eren Gözke,MD
16.30-17.20	Case presentation	Eren Gözke,MD

**Wednesday**

08.00-09.20	Lecture Coma	Nuket Yıldız,MD
09.20-10.20	Grand Round	
10.30-11.20	Grand Round	
11.30-12.20	Grand Round	
13.30-14.20	Bed Side Teaching	Eren Gözke,MD
14.30-15.20	Bed Side Teaching	Eren Gözke,MD
15.30-16.20	Bed Side Teaching	Eren Gözke,MD
16.30-17.20	Bed Side Teaching	Eren Gözke,MD

**Thursday**

08.00-09.20	Grand Round	
09.20-10.20	Grand Round	
10.30-11.20	Lecture Multiple sclerosis	Eren Gözke,MD
11.30-12.20	Lecture Multiple sclerosis	Eren Gözke,MD
13.30-14.20	Case presentation	Eren Gözke,MD
14.30-15.20	Case presentation	Eren Gözke,MD
15.30-16.20	Case presentation	Eren Gözke,MD
16.30-17.20	Case presentation	Eren Gözke,MD

**Friday**

08.00-09.20	Grand Round	
09.20-10.20	Grand Round	
10.30-11.20	Grand Round	
11.30-12.20	Grand Round	
13.30-17.20	Literatüre	

**Monday 2.**

08.00-09.20	Grand Round	
09.20-10.20	Lecture Headache	Burcu Uğurel,MD
10.30-11.20	Lecture Headache	Burcu Uğurel,MD
11.30-12.20	Lecture Cerebro -Vascular Diseases	Işıl Kalyoncu,MD
13.30-14.20	Lecture Cerebro -Vascular Diseases	Işıl Kalyoncu,MD
14.30-15.20	Out patient Clinic	
15.30-16.20	Out patient Clinic	
16.30-17.20	Case presentation	Burcu Uğurel,MD

**Tuesday**

08.00-09.20	Grand Round	
09.20-10.20	Lecture Infections of nervous systems	Burcu Uğurel,MD
10.30-11.20	Lecture Infections of nervous systems	Burcu Uğurel,MD
11.30-12.20	Lecture Motor neuron Disorders	Gökçen Akar,MD
13.30-14.20	Lecture Motor neuron Disorders	Gökçen Akar,MD
14.30-15.20	Lecture Sleep Disorders	Burcu Uğurel,MD
15.30-16.20	Lecture Sleep Disorders	Burcu Uğurel,MD
16.30-17.20	Case presentation	Burcu Uğurel,MD

**Wednesday**

08.00-09.20	Grand Round	
09.20-10.20	Lecture Epilepsy	Berrin Aktekin,MD
10.30-11.20	Lecture Epilepsy	Berrin Aktekin,MD
11.30-12.20	Lecture Epilepsy	Berrin Aktekin,MD
13.30-14.20	Lecture NMJ Diseases	Berrin Aktekin,MD
14.30-15.20	Lecture NMJ Diseases	Berrin Aktekin,MD
15.30-16.20	Lecture Spinal Cord Diseases	Berrin Aktekin,MD
16.30-17.20	Lecture Spinal Cord Diseases	Berrin Aktekin,MD

**Thursday**

08.00-09.20	Grand Round	
09.20-10.20	Lecture Encephalopathies	Burcu Uğurel,MD
10.30-11.20	Lecture Encephalopathies	Burcu Uğurel,MD
11.30-12.20	Lecture Muscle Diseases	Berrin Aktekin,MD
13.30-14.20	Lecture Muscle Diseases	Berrin Aktekin,MD
14.30-15.20	Lecture Disorders of peripheral Nerves	Berrin Aktekin,MD
15.30-16.20	Lecture Disorders of peripheral Nerves	Berrin Aktekin,MD
16.30-17.20	Case presentation	Berrin Aktekin,MD

**Friday**

08.00-09.20	Grand Round	
09.20-10.20	Lecture Muscle Diseases	Berrin Aktekin,MD
10.30-11.20	Lecture Dementia	Burcu Uğurel,MD
11.30-12.20	Lecture Dementia	Burcu Uğurel,MD
13.30-17.20	Case presentation	Berrin Aktekin,MD



**Monday 3.**

08.00-09.20	Grand Round	
09.20-10.20	Grand Round	
10.30-12.00	Grand Round	
13.30-14.20	Bed Side Teaching	Eren Gözke,MD
14.30-1700	Bed Side Teaching	Eren Gözke,MD

**Tuesday**

08.30-09.20	Grand Round	
09.30-10.20	Grand Round	
10.30-12.00	Grand Round	
13.30-14.20	Bed Side Teaching	Eren Gözke,MD
14.30-1700	Bed Side Teaching	Eren Gözke,MD

**Wednesday**

08.30-09.20	Grand Round	
09.30-10.20	Grand Round	
10.30-12.00	Out patient Clinic	
13.30-14.20	Out patient Clinic	
14.30-1700	Out patient Clinic	

**Thursday**

08.30-09.20	Grand Round	
09.30-10.20	Grand Round	
10.30-12.00	Grand Round	
13.30-14.20	Out patient Clinic	
14.30-1700	Out patient Clinic	

**Friday**

09.00-14.30	Exam	

**OPHTHALMOLOGY CLERKSHIP**  
**YEDİTEPE UNIVERSITY HOSPITAL**  
**(3 weeks)**

Head of the Department of Ophthalmology: Ferda Çiftçi, MD Prof.

Belkıs Ilgaz Yalvaç, MD Prof.

Sinan Tatlıpınar, MD Prof.

Şule Ziylan, MD Assoc. Prof.

Raciha Beril Küçümen, MD Assoc. Prof.

Canan Aslı Yıldırım (Utime) MD Assoc. Prof.

Muhsin Altunsoy, MD Assist. Prof.

Vildan Öztürk, MD Assoc. Prof.

CLERKSHIP	OPHTHALMOLOGY <i>Aim of this clerkship is to;</i>
AIM	1. <b>convey</b> necessary knowledge on pathology, symptomatology, clinics and pharmacology of eye diseases
<i>At the end of this term, student should be able to:</i>	
KNOWLEDGE	1. <b>describe</b> anatomy of eye and appendages and orbit,
	2. <b>classify</b> refractive errors and different methods of treatment
	3. <b>describe</b> pathologies of the cornea, conjunctiva, lacrimal system, eyelids and the orbit, mechanisms of occurrence, signs and symptoms, methods of examination and ancillary tests, and treatment options of these pathologies
	4. <b>describe</b> signs and symptoms of different lenticular diseases including cataracts, indications and methods of surgical treatments,
	5. <b>explain</b> mechanisms of occurrence, diagnostic and treatment methods and pharmacology of various glaucoma types,
	6. <b>classify</b> uveitis syndromes with respect to affected anatomical sites, signs and symptoms and <b>describe</b> different treatment options
	7. <b>describe</b> mechanisms of occurrence, signs and symptoms, methods of examination and ancillary tests, and treatment options of vascular and age related diseases of retina,
	8. <b>describe</b> pathophysiology, risk factors, signs and symptoms, preventive measures and different treatment methods of retinal detachment,
	9.1. <b>describe</b> signs, symptoms and examination methods of neuroophthalmological diseases,
	9.2. <b>interpret</b> relationship with neurological diseases and anatomical locations of lesions.
SKILLS	10. <b>describe</b> signs, symptoms and examination methods of pediatric ophthalmological diseases and strabismus types and <b>classify</b> the treatment options
	11. <b>perform</b> anterior segment examination with biomicroscope (slit-lamp) and fundus examination with direct ophthalmoscope,
ATTITUDES	12. <b>examine</b> direct and indirect light reflexes and eye motions,
	13. <b>value</b> impact of eyes diseases on personal health,
COMPETENCIES	14. <b>differentiate</b> eye diseases
	15.1. <b>judge</b> systemic conditions to refer patients to ophthalmologists,
	15.2. <b>schedule</b> intervals for routine eye examinations for different age groups,
	15.3. <b>direct</b> patients to ophthalmologist
	16. <b>manage</b> and <b>perform</b> urgent interventions in cases of eye trauma and chemical burns

## **SUBJECTS**

Anatomy and Methods of Examination

Refractive Errors

Lids and Orbit

Tear Film and Lacrymal Apparatus

Conjunctiva and Cornea

Uveal Tract

Diseases of the Lens

Glaucoma

Retinal Vascular Diseases

Macular Degenerations and Retinal Dystrophies

Retinal Detachment

Pediatric Ophthalmology and Strabismus

Neuro –Ophthalmology

Ophthalmological Emergency and Trauma

**THEORETICAL EDUCATION PROGRAM  
(2013-2014)**

<b>WEEK 1</b>	<b>DAY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
	1	Anatomy and Methods of Examination	M. ALTUNSOY
	2	Lids and Orbit	F. ÇİFTÇİ
	3	Refractive Errors	C.A.YILDIRIM
	4	Tear Film and Lacrymal Apparatus	F. ÇİFTÇİ
	5	Uveal Tract	M. ALTUNSOY
<b>WEEK 2</b>	<b>DAY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
	1	Diseases of the Lens	B. KÜÇÜMEN
	2	Glaucoma	B.I. YALVAÇ
	3	Conjunctiva and Cornea	V. ÖZTÜRK
	4	Retinal Vascular Diseases	S. TATLIPINAR
	5	Macular Degeneration and Hereditary Retinal Dystrophies	S.TATLIPINAR
<b>WEEK 3</b>	<b>DAY</b>	<b>SUBJECT</b>	<b>LECTURER</b>
	1	Retinal Detachment	D. BAŞAR
	2	Pediatric Ophthalmology and Strabismus	S. ZIYLAN
	3	Neuro – Ophthalmology	B.I.YALVAÇ
	4	Trauma and Emergency in Ophthalmology	C.A. YILDIRIM

**OTORHINOLARYNGOLOGY & HEAD AND NECK SURGERY CLERKSHIP**  
**(3 weeks)**  
**&**  
**YEDİTEPE UNIVERSITY HOSPITAL**

Head of the Department of Otorhinolaryngology: Yavuz Selim Pata, MD Prof.  
İlhan Topaloğlu, MD Prof.  
Müzeyyen Doğan, MD Assist. Prof.  
Emre Türkmen, Assist. MD.  
Ayşenur Küçük Ceyhan (Educational Audiologist)

CLERKSHIP	OTORHINOLARYNGOLOGY <i>Aim of this clerkship is to;</i>
AIM	<ol style="list-style-type: none"> <li>1. <b>convey</b> necessary knowledge on historical development of otorhinolaryngology, current and future applications of diagnostic and treatment methods,</li> <li>2. <b>convey</b> necessary knowledge on clinical conditions related to otorhinolaryngology (<i>head and neck oncology, rhinology, laryngology, otology, facial plastic and reconstructive surgery, voice and speech disorders, neuro-otology, audiology and hearing sciences, vestibular system, congenital and genetic diseases, head and neck cancers, allergic and immunologic diseases</i>),</li> <li>3. <b>equip</b> students <b>with</b> knowledge, skills and attitudes required to manage clinical conditions related to otorhinolaryngology at primary care setting</li> </ol>
<i>At the end of this term, student should be able to:</i>	
KNOWLEDGE	1. <b>describe</b> external, middle and inner ear diseases
	2. <b>explain</b> tinnitus, hearing loss and balance problems
	3. <b>explain</b> basics of inner and external implant application and purpose
	4. <b>distinguish</b> between benign and malign tumors at basic level in oropharyngeal diseases
	5. <b>distinguish</b> between benign and malign tumors at basic level in nasopharyngeal diseases
	6. <b>describe</b> diagnosis and medical treatment of paranasal sinus diseases
	7. <b>explain</b> interventions to otorhinolaryngological emergencies
	8. <b>describe</b> diseases related to adenoid and tonsillary tissue
	9. <b>describe</b> diagnosis and treatment of salivary gland diseases
	10. <b>explain</b> assessment of laryngeal diseases at basic level
	11. <b>distinguish</b> between benign and malign laryngeal diseases
	12. <b>explain</b> basics of temporomandibular joint diseases
	13. <b>explain</b> basics of maxillofacial traumas and ortognatic surgery
	14. <b>outline</b> basics of genetic disorders related to otorhinolaryngology
	15. <b>describe</b> interpretation of audiological and early screening tests at basic level
	16. <b>describe</b> acustic and psychoacustic assessments
	17. <b>outline</b> diseases related to smelling and tasting
	18. <b>describe</b> stomatological diseases
	19. <b>explain</b> basics of conventional hearing devices and their indications for use
	20. <b>describe</b> basics and medical treatment of laryngopharyngeal reflux
	21. <b>describe</b> sleep apnea and snoring problem and surgical treatment of those diseases

	22. <b>describe</b> swallowing disorders
	23. <b>tell</b> surgical techniques of incision in tracheostomy, tracheotomy, coniotomy
	24. <b>describe</b> voice and speech disorders and treatments of those diseases
	25. <b>tell</b> basics of head-neck tumors and skull base diseases
<b>SKILLS</b>	26. <b>make</b> rhinolaryngological examination
	27. <b>use</b> laryngoscope and otoscope
	28. <b>design</b> medical treatments in ear, nose and throat infections
<b>COMPETENCIES</b>	29.1. <b>do</b> diagnosis of ear, nose and throat diseases,
	29.2. <b>transfer</b> patient to specialized center upon indication
	30.1. <b>prepare</b> nasal packages,
	30.2. <b>remove</b> foreign body from ear and nose in emergency situations

**Name of the lesson: SALIVARY GLAND DISEASES**

**Lecturer:** İlhan Topaloğlu, MD Prof.

**Duration:** 1 hour

**Name of the lesson: ANATOMY AND PHYSIOLOGY OF THE LARYNX**

**Lecturer:** Müzeyyen Doğan, MD Assist. Prof.

**Duration:** 1 hour

**Name of the lesson: CONGENITAL LARYNGEAL AND VOICE DISORDERS**

**Lecturer:** Müzeyyen Doğan, MD Assist. Prof.

**Duration:** 2 hour

**Name of the lesson: MALIGNANT TUMORS OF THE LARYNX**

**Lecturer:** Müzeyyen Doğan, MD Assist. Prof.

**Duration:** 1 hour

**Name of the lesson: ESSENTIALS OF AUDIOLOGY**

**Lecturer:** Ayşenur Küçük Ceyhan

**Duration:** 1 hour

**Name of the lesson: HEARING LOSS**

**Lecturer:** Müzeyyen Doğan, MD Assist. Prof.

**Duration:** 1 hour

**Name of the lesson: TINNITUS**

**Lecturer:** Müzeyyen Doğan, MD Assist. Prof.

**Duration:** 1 hour

**Name of the lesson: VERTIGO**

**Lecturer:** Müzeyyen Doğan, MD Assist. Prof.

**Duration:** 1 hour

**Name of the lesson: ACUTE AND CHRONIC OTITIS MEDIA**

**Lecturer:** İlhan Topaloğlu, MD Prof.

**Duration:** 2 hour

**Name of the lesson: RHINITIS AND SINUSITIS**

**Öğretim üyesi:** Yavuz Selim Pata, MD. Prof.

**Ders süresi:** 2 saat

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**Name of the lesson: ANATOMY AND PHYSIOLOGY OF THE EAR**

**Lecturer:** Müzeyyen Doğan, MD Assist. Prof.

**Duration:** 1 hour

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**Name of the lesson: DISEASES OF THE ORAL CAVITY AND OROPHARYNX**

**Lecturer:** İlhan Topaloğlu, MD Prof.

**Duration:** 2 hour

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**Name of the lesson: LYMPH NODES PATHOLOGIES AND NECK MASSES**

**Lecturer:** Yavuz Selim Pata, MD Prof.

**Duration:** 1 hour

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**Name of the lesson: SLEEP APNEA, SNORING AND THEIR TREATMENTS**

**Lecturer:** İlhan Topaloğlu, MD Prof.

**Duration:** 1 hour

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**Name of the lesson: ENT EMERGENCIES**

**Lecturer:** Yavuz Selim Pata, MD Prof.

**Duration:** 2 hour

1st Week					
PLACE		TIME	TYPE OF EDUCATION	LECTURER	SUBJECT
MONDAY	HOSPITAL	09:00-10:00	Lecture	Yavuz Selim Pata	<b>Learning goal of the lesson and Objectives of the ENT module</b> <b>ANATOMY AND PHYSIOLOGY OF THE EAR</b>  Clinical practise Clinical practise Clinical practise
	HOSPITAL	10:00-11:00	Lecture	Müzeyyen Doğan	
		11:00-12:00	Practise		
		13:00-14:00 14:00-15:00	Practise Practise		
TUESDAY	HOSPITAL	09:00-11:00	Lecture	İlhan Topaloğlu	<b>ACUTE AND CHRONIC OTITIS MEDIA</b>  Clinical practise Clinical practise Clinical practise
		11:00-12:00	Practise		
		13:00-14:00	Practise		
		14:00-15:00	Practise		
WEDNESDAY	HOSPITAL	09:00-11:00	Lecture	Müzeyyen Doğan	<b>HEARING LOSS</b>  Clinical practise Clinical practise Clinical practise
		11:00-12:00	Practise		
		13:00-14:00	Practise		
		14:00-15:00	Practise		
THURSDAY	Bagdat Outpatient Clinic	09:00-11:00	Lecture	Müzeyyen Doğan	<b>VERTIGO AND TINNITUS</b>  Clinical practise Clinical practise Clinical practise
		11:00-12:00	Practise		
		13:00-14:00	Practise		
		14:00-15:00	Practise		
FRIDAY	HOSPITAL	09:00-11:00	Lecture	İlhan Topaloğlu	<b>DISEASES OF THE ORAL CAVITY AND OROPHARYNX</b>  Clinical practise Clinical practise Clinical practise
		11:00-12:00	Practise		
		13:00-14:00	Practise		
		14:00-15:00	Practise		



2nd Week					
MONDAY	HOSPITAL	09:00-11:00 11:00-12:00 13:00-14:00 14:00-15:00	Lecture Practise Practise Practise	Yavuz Selim	<b>RHINITIS AND SINUSITIS</b>  Clinical practise Clinical practise Clinical practise
TUESDAY	HOSPITAL	09:00-10:00	Lecture	Yavuz Selim Pata	<b>LYMPH NODES PATHOLOGIES AND NECK MASSES</b>
	HOSPITAL	10:00-11:00	Lecture  Practise Practise Practise	İlhan Topaloğlu	<b>SLEEP APNEA, SNORING AND THEIR TREATMENTS</b>  Clinical practise Clinical practise Clinical practise
WEDNESDAY	HOSPITAL	09:00-10:00 11:00-12:00 13:00-14:00 14:00-15:00	Lecture	Müzeyyen Doğan	<b>ANATOMY AND PHYSIOLOGY OF THE LARYNX</b>  Clinical practise Clinical practise Clinical practise
	HOSPITAL	10:00-11:00 11:00-12:00 13:00-14:00 14:00-15:00	Lecture Practise Practise Practise	Müzeyyen Doğan	<b>MALIGNANT TUMORS OF THE LARYNX</b>  Clinical practise Clinical practise Clinical practise
THURSDAY	Bagdat Outpatient Clinic	09:00-11:00 11:00-12:00 13:00-14:00 14:00-15:00	Lecture Practise Practise Practise	Educational Audiologist Ayşenur Küçük Ceyhan	<b>ESSENTIAL OF AUDIOLOGY</b>  Clinical practise Clinical practise Clinical practise
FRIDAY	HOSPITAL	09:00-10:00 11:00-12:00 13:00-14:00 14:00-15:00	Lecture Practise Practise Practise	İlhan Topaloğlu	<b>SALIVARY GLAND DISEASES</b>  Clinical practise Clinical practise Clinical practise

3rd Week					
MONDAY	HOSPITAL	09:00-11:00 11:00-12:00 13:00-14:00 14:00-15:00	Lecture Practise Practise Practise	Yavuz Selim Pata	<b>ENT EMERGENCIES</b>  Clinical practise Clinical practise Clinical practise
TUESDAY	HOSPITAL	09:00-10:00 10:00-11:00 11:00-12:00 13:00-14:00	Practise Practise Practise Practise	Yavuz Selim Pata.	
WEDNESDAY	HOSPITAL	09:00-11:00 11:00-12:00 13:00-14:00 14:00-15:00	Lecture  Practise Practise Practise	Müzeyyen Doğan	<b>CONGENITAL LARYNGEAL AND VOICE DISORDERS</b>  Clinical practise Clinical practise Clinical practise
THURSDAY	HOSPITAL	09:00-10:00 10:00-11:00 11:00-12:00 13:00-14:00	Practise Practise Practise Practise	Müzeyyen Doğan	
FRIDAY	HOSPITAL		<b>Examination</b>		

**DERMATOLOGY CLERKSHIP**  
(3 weeks)  
&  
**YEDİTEPE UNIVERSITY HOSPITAL**

Head of the Department of Dermatology: M. Oktay Taşkapan, MD Prof.  
Özlem Akın, MD Assist. Prof.  
Asuman Cömert Erkılınç, MD Assist. Prof.

CLERKSHIP	DERMATOLOGY <i>Aim of this clerkship is to;</i>
AIM	1. <b>equip</b> students <b>with</b> necessary knowledge, skills and attitudes required for diagnosis, treatment and prevention of frequently observed dermatologic and sexually transmitted diseases
<i>At the end of this term, student should be able to:</i>	
KNOWLEDGE	1. <b>evaluate</b> patient and dermatovenereological examination methods
	2. <b>make</b> diagnosis and differential diagnosis of dermatologic diseases
	3. <b>perform</b> basic diagnostic methods ( <i>search of fungal infection with KOH, wood light</i> )
	4. <b>tell</b> dermatologic emergencies and to choose patients who should be sent to a specialist
	5. <b>make</b> diagnosis and treatment of frequently seen cutaneous infections (bacterial, fungal, viral) and infestations
	6. <b>describe</b> frequently observed sexually transmitted diseases
SKILLS	7. <b>perform</b> a relevant dermatovenereologic history taking
	8. <b>perform</b> superficial wound care
ATTITUDES	9. <b>make</b> identification of elementary lesions successfully
	10. <b>differentiate</b> dermatologic lesions which are related to systemic diseases and send patient to a dermatologist

		Asuman Cömert Erkılınç MD Asist. Prof.	Özlem Akın, MD Asist. Prof.	M. Oktay Taşkapan, MD Prof.
1. Week	Monday	<b>HOSPITAL</b>	<b>HOSPITAL</b>	<b>Bağdat Cad. P.</b>
		09:00-12:00 Practice	09:00-12:00 Practice	09:00-12:00 Practice
		<b>HOSPITAL</b>	<b>HOSPITAL</b>	<b>HOSPITAL</b>
		-	-	14:30-15:20 Basic structure & functions of the skin 15:30-17:30 Principles of dermatologic diagnosis
	Tuesday	<b>Bağdat Cad. P.</b>	<b>HOSPITAL</b>	<b>Bağdat Cad. P.</b>
		14:00-17:00 Practice	09:00-10:50 Bacterial skin infections 11:00-13:00 Viral skin infections 14:00-17:00 Practice	14:00-17:00 Practice
	Wednesday	<b>HOSPITAL</b>	<b>Bağdat Cad. P.</b>	<b>HOSPITAL</b>
		09:00-10:50 Treatment modalities in dermatology 11:00-11:50 Behçet's Disease		
		-	-	14:00-16:00 Dermatitis
	Thursday	-	-	-
	Friday	<b>Bağdat Cad. P.</b>	<b>HOSPITAL</b>	<b>Bağdat Cad. P.</b>
		13:00-17:00 Practice	09:00-11:00 Fungal skin infections 13:00-17:00 Practice	13:00-17:00 Practice
2. Week	Monday	<b>HOSPITAL</b>	<b>HOSPITAL</b>	<b>HOSPITAL</b>
		09:00-10:50 Acne and acneiform dermatoses 11:00-12:00 Alopecia (1)	-	15:00-17:00 Urticaria and angioedema
	Tuesday	<b>Bağdat Cad. P.</b>	<b>HOSPITAL</b>	<b>Bağdat Cad. P.</b>
		13:00-17:00 Practice	09:00-10:50 Parasitic skin diseases 11:00-11:50 Melanocytic naevi 13:00-17:00 Practice	13:00-17:00 Practice

	Wednesday	<b>HOSPITAL</b>	<b>Bağdat Cad. P.</b>	<b>HOSPITAL</b>
		09:00-09:50 Alopecia (2) 10:00-12:00 Papulosquamous skin disorders	-	14:00-16:00 Connective tissue diseases and vasculitis
	Thursday	-	-	-
	Friday	<b>Bağdat Cad. P.</b>	<b>HOSPITAL</b>	<b>Bağdat Cad. P.</b>
		13:00-17:00 Practice	09:00-09:50 Melanoma 10:00-12:00 Chronic autoimmune blistering dermatoses 13:00-17:00 Practice	13:00-17:00 Practice
3. Week	Monday	<b>HOSPITAL</b>	<b>HOSPITAL</b>	<b>Bağdat Cad. P.</b>
		09:00-09:50 Precancerous skin disorders 10:00-12:00 Skin cancers 13:00-17:00 Practice	13:00-17:00 Practice	13:00-17:00 Practice
	Tuesday	<b>Bağdat Cad. P.</b>	<b>HOSPITAL</b>	<b>Bağdat Cad. P.</b>
		13:00-17:00 Practice	09:00-11:00 Cutaneous tuberculosis, leprosy and erythema nodosum 13:00-17:00 Practice	13:00-17:00 Practice
	Wednesday	<b>HOSPITAL</b>	<b>Bağdat Cad. P.</b>	<b>HOSPITAL</b>
		09:00-09:50 Vitiligo 10:00-12:00 Sexually transmitted diseases		14:00-16:00 Adverse cutaneous reactions to the drugs
	Thursday	-	-	-
	Friday	<b>09:00-12:00 Examination</b>		

**PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP**  
**(2 weeks)**  
**YEDİTEPE UNIVERSITY HOSPITAL**

Head of the Department of Physical Medicine and Rehabilitation: Ece Aydoğ, MD Prof.

&

**İSTANBUL MEDENİYET UNIVERSITY GÖZTEPE TRAINING AND RESEARCH**  
**HOSPITAL**

Head of the Deptmnt of Physical Medicine and Rehabilitation: Ercan Madenci, MD Assoc. Prof.

CLERKSHIP	PHYSICAL MEDICINE and REHABILITATION <i>Aim of this clerkship is to;</i>
AIM	1. <b>convey</b> necessary knowledge on pathology, symptomatology, clinical findings and treatment of musculoskeletal system diseases, 2. <b>equip</b> students <b>with</b> basic knowledge, skills and attitudes on rehabilitation medicine, 3. <b>equip</b> students <b>with</b> general approach to patients with physical disabilities.
<i>At the end of this term, student should be able to:</i>	
KNOWLEDGE	1.1. <b>explain</b> etiopathogenesis of degenerative joint diseases, 1.2. <b>describe</b> general treatment approaches
	2.1. <b>explain</b> etiopathogenesis of inflammatory joint diseases, 2.2. <b>describe</b> general treatment approaches
	3. <b>explain</b> etiopathogenesis of osteoporosis and metabolic bone disease, osteoporosis risk factors, prevention and treatment of osteoporosis
	4. <b>explain</b> pathophysiology of pain, pain assessment, and medical treatment or physiotherapy of different types of pain.
	5. <b>describe</b> approach to patients with physical disabilities,
	6. <b>classify</b> etiology and principles of general rehabilitation of stroke and other neurologic disorders.
	7.1. <b>discriminate</b> early and late period complications of spinal cord injuries, 7.2. <b>describe</b> treatment
	8. <b>evaluate</b> radiology of spine and joints in musculoskeletal system diseases.
	9. <b>describe</b> physical therapy agents used in rehabilitation and their indications and contraindications.
	10.1. <b>describe</b> symptoms and signs of peripheral nerve injuries, polyneuropathies, 10.2. <b>explain</b> rehabilitation principles of peripheral nerve injuries and treatment approaches.
SKILLS	11.1. <b>perform</b> relevant history taking from patient with musculoskeletal system disorder 11.2. <b>do</b> musculoskeletal system and neurologic examination
	12.1. <b>evaluate</b> muscle strength and spasticity, 12.2. <b>do</b> detailed neurologic examination in patients with stroke and spinal cord injury.

	13.1. <b>handle</b> patient immobilization regarding complications, 13.2. <b>give</b> correct bed position, 13.3. <b>follow up</b> decubitus, 13.4. <b>apply</b> range of motion exercises.
<b>ATTITUDES</b>	14. <b>prioritize</b> conservative treatments and preventions in patients with musculoskeletal system disease,
	15. <b>have</b> good relationship with patients and patient's companions
	16. <b>value</b> importance of quality of life
<b>COMPETENCIES</b>	17. <b>do</b> differential diagnosis in degenerative joint diseases,
	18. <b>do</b> differential diagnosis in inflammatory joint diseases,
	19. <b>do</b> differential diagnosis and treatment of cervical and upper extremity, back and lower extremity pain
	20. <b>request</b> correct laboratory and radiological examinations
	21. <b>arrange</b> exercise types, kind of exercise given according to patient's diagnosis,
	22. <b>refer</b> patient to convenient centers when necessary

## LECTURES

1. Physical agents, orthotic and prosthetic use in rehabilitation
2. Degenerative arthritis (Osteoarthritis)
3. Osteoporosis and metabolic bone diseases
4. Differential diagnosis and treatment of low back and lower extremity
5. Peripheral nerve diseases
6. Seronegative spondyloarthropathies (Spa)
7. Inflammatory joint diseases
8. Drug use in diseases of the musculoskeletal system
9. Symptoms and Signs of Musculoskeletal System
10. Physical Examination of Specific Joints
11. Radiologic evaluation of Musculoskeletal System Diseases
12. Therapeutic exercises
13. The pathophysiology of pain, treatment and classification
14. Cervical and upper extremity pain
15. Rehabilitation of neurologic disorders
16. Spinal Cord Diseases

LECTURE SCHEDULE				
First Week	Time	Room	Lesson	
Monday	09.00-10.30	İst. Yeditepe Univ. PM&R	Osteoporosis and metabolic bone diseases	Ece Aydoğ
	11.00-12.00	İst. Yeditepe Univ. PM&R	Degenerative Arthritis	Ece Aydoğ
	13.00-16.00	İst. Yeditepe Univ. PM&R	Clinical Practise	Ece Aydoğ
Tuesday	10.00-12.00	İst. Medeniyet Univ. GT&RH - PM&R	Clinical Practise	Ercan Madenci
	13.00-14.30	İst. Medeniyet Univ. GT&RH- PM&R	Musculoskeletal (locomotor) system symptom and signs	Ercan Madenci
	15.00-16.30	İst. Medeniyet Univ. GT&RH- PM&R	Musculoskeletal (locomotor) system examination	Ercan Madenci
Wednesday	10.00-12.00	İst. Medeniyet Univ. GT&RH- PM&R	Clinical Practise	Ercan Madenci
	13.00-14.30	İst. Medeniyet Univ. GT&RH- PM&R	Radiologic evaluation of musculoskeletal disorders	Ercan Madenci
	15.00-16.30	İst. Medeniyet Univ. GT&RH- PM&R	Diagnosis and treatment of cervical and upper extremity pain	Ercan Madenci
Thursday	09.00-10.30	İst. Yeditepe Univ. PM&R	Diffirential diagnosis and treatment of lowback and lower extremity pain	Ece Aydoğ
	11.00-12.00	İst. Yeditepe Univ. PM&R	Periferic nerve diseases	Ece Aydoğ
	13.00-16.00	İst. Yeditepe Univ. PM&R	Clinical Practise	Ece Aydoğ
Friday	09.00-10.30	İst. Yeditepe Univ. PM&R	Seronegative spondyloarthropathies	Ece Aydoğ
	11.00-12.00	İst. Yeditepe Univ. PM&R	Physical medicine agents and ortosis and prothetics in rehabilitation	Ece Aydoğ
	13.00-16.00	İst. Yeditepe Univ. PM&R	Clinical Practise	Ece Aydoğ



LECTURE SCHEDULE (2013 - 2014)				
Second Week	Time	Room	Lesson	
<b>Monday</b>	09.00-10.30	İst. Yeditepe Univ. PM&R	Inflammatory joint diseases	<b>Ece Aydoğ</b>
	11.00-12.00	İst. Yeditepe Univ. PM&R	Drug use in musculoskeletal system disorders	<b>Ece Aydoğ</b>
	13.00-16.00	İst. Yeditepe Univ. PM&R	Clinical Practise	<b>Ece Aydoğ</b>
<b>Tuesday</b>	10.00-12.00	İst. Medeniyet Univ. GT&RH - PM&R	Clinical Practise	<b>Ercan Madenci</b>
	13.00-14.30	İst. Medeniyet Univ. GT&RH - PM&R	Rehabilitation of Neurologic Diseases	<b>Ercan Madenci</b>
	15.00-16.30	İst. Medeniyet Univ. GT&RH - PM&R	Diseases of spine and spinal cord	<b>Ercan Madenci</b>
<b>Wednesday</b>	10.00-12.00	İst. Medeniyet Univ. GT&RH - PM&R	Clinical Practise	<b>Ercan Madenci</b>
	13.00-14.30	İst. Medeniyet Univ. GT&RH - PM&R	Pain pathophysiology classification and treatment	<b>Ercan Madenci</b>
	15.00-16.30	İst. Medeniyet Univ. GT&RH - PM&R	Therapeutic exercises	<b>Ercan Madenci</b>
<b>Thursday</b>	09.00-12.00	İst. Yeditepe Univ. PM&R	Clinical Practise	<b>Ece Aydoğ</b>
	13.00-16.0	İst. Yeditepe Univ. PM&R	Clinical Practise	<b>Ece Aydoğ</b>
<b>Friday</b>	9.00-12.00		<b>EXAM</b>	

**RADIOLOGY CLERKSHIP**  
(2 weeks)  
**YEDİTEPE UNIVERSITY HOSPITAL**

Başar Sarıkaya, MD Assoc. Prof.  
Neslihan Taşdelen, MD Assoc. Prof.  
Bengi Gürses, MD Assoc. Prof.  
Ayşegül Sarıkaya, MD Assoc. Prof.

CLERKSHIP	RADIOLOGY <i>Aim of this clerkship is to;</i>
AIM	<ol style="list-style-type: none"> <li>1. <b>equip</b> students with necessary knowledge and skills to recognize indications of basic and most commonly used radiological modalities,</li> <li>2. <b>equip</b> students with necessary knowledge and skills to evaluate results of basic and most commonly used radiological modalities</li> </ol>
<i>At the end of this term, student should be able to:</i>	
KNOWLEDGE	<ol style="list-style-type: none"> <li>1. <b>outline</b> basic knowledge on physical principles and mechanisms of basic radiological modalities (<i>direct roentgenogram, ultrasound, computed tomography, magnetic resonance imaging</i>).</li> <li>2.1. <b>recognize</b> unwanted effects of x-ray radiation,</li> <li>2.2. <b>explain</b> ways of protection</li> </ol>
SKILLS	<ol style="list-style-type: none"> <li>3. <b>choose</b> optimal radiological modality in most commonly encountered pathologies and in emergency medical conditions</li> <li>4.1. <b>identify</b> basic emergency conditions on radiological images,</li> <li>4.2. <b>inform</b> responsible clinician</li> </ol>

**A. Lectures**

Week 1:

- Monday: **Introduction to Radiology** (9:00-9:40, 10:00-10:40)  
Başar Sarıkaya-Neslihan Taşdelen
- Tuesday: **Introduction to Modalities in Radiology.** (9:00-9:40, 10:00-10:40)  
Ayşegül Sarsılmaz
- Wednesday: **Conventional Radiology.** (10:00-10:40, 11:00-11:40)  
Neslihan Taşdelen, Ayşegül Sarsılmaz
- Thursday: **Radiology of the Musculoskeletal System** (9:00-9:40, 10:00-10:40)  
Neslihan Taşdelen,  
**Radiology of the Urogenital System** (13:00-14:40)  
Bengi Gürses
- Friday: **Radiology of the Gastrointestinal System.** (10:00-10:40, 11:00-11:40)  
Bengi Gürses

Week 2:

- Monday: **Neuroradiology.** (10:00-10:40, 11:00-11:40)  
Ayşegül Sarsılmaz
- Tuesday: **Radiology of the Thorax** (9:00-9:40,10:00-10:40) .  
Bengi Gürses  
**Radiology of the Vascular System** (13:00-14:40)  
Başar Sarıkaya
- Wednesday: **Interventional Radiology** (10:00-10:40, 11:00-11:40)  
Başar Sarıkaya
- Thursday: **Breast Imaging** (9:00-9:40,10:00-10:40)  
Bengi Gürses
- Friday: Radiology Exam (930)

**B. Practice**

**Week 1:**

**Monday:**

Tour of the Radiology Department, Digital X-ray imaging, understanding the equipment and the technique (13.00-16.00)

Başar Sarıkaya, M.D., Sertan Küçük

**Tuesday:**

CT and MRI suits, basic principles (13.00-16.00)

Bengi Gürses, M.D., Ebru Karasu

**Wednesday:**

Practising ultrasound (13.00-16.00)

Neslihan Taşdelen, M.D.

**Thursday:**

Body imaging reading room (13.00-16.00)

Neslihan Taşdelen, M.D., Bengi Gürses, M.D.

**Friday:**

Advanced neuroimaging modalities and postprocessing (13.00-16.00)

Ayşegül Sarsılmaz, M.D., Zeynep Fırat

**Week 2:**

**Monday:**

Needles, wires, catheters and other equipment used in interventional radiology (13.00-16.00)

Başar Sarıkaya, M.D.

**Tuesday:**

Case Review, Neuroradiology (13.00-16.00)

Başar Sarıkaya, M.D., Ayşegül Sarsılmaz, M.D.

**Wednesday:**

Contrast materials used in radiology, management of allergic reactions (13.00-16.00)

Başar Sarıkaya, M.D.

**Thursday:**

Free Reading (13.00-16.00)

**NUCLEAR MEDICINE CLERKSHIP**  
(1 week)  
**YEDİTEPE UNIVERSITY HOSPITAL**

Nalan Alan Selcuk, MD Assist. Prof.

Türkey Toklu, M.Sc.

CLERKSHIP	NUCLEAR MEDICINE <i>Aim of this clerkship is to;</i>
AIM	1. <b>convey</b> necessary knowledge on nuclear medicine , working principles, nuclear physics, radiopharmacy, besides where, when and which survey is suitable or needed
<i>At the end of this term, student should be able to:</i>	
KNOWLEDGE	1. <b>describe</b> PET/CT for status follow-up of patients
	2. <b>describe</b> diagnostic imaging of infection or tumor
	3. <b>describe</b> radionuclide therapy and its application areas
	4. <b>describe</b> physics of nuclear medicine and methods of projection
	5. <b>describe</b> gamma probe and its application method
	6. <b>describe</b> scintigraphy reading techniques
SKILLS	7. <b>prepare</b> radiopharmaceuticals
	8. <b>do</b> radiopharmaceutical injections to patients
	9. <b>make</b> examination of thyroid gland
	10.1. <b>use</b> monitor,
	10.2. <b>show</b> imaging of patient on monitor
	<b>differentiate</b> normal, pathological and phantoms of images

1. Basic radiation physics and radiation detectors used in Nuclear Medicine
2. Introduction to Nuclear Medicine
3. Radiation safety and effects of radiation
4. Thyroid and parathyroid scintigraphy
5. Nuclear medicine in hyperparathyroidism
6. Nuclear medicine in thyroid carcinoma
7. Bone scintigraphy
8. Infection imaging
9. Dynamic and static renal scan
10. Brain scintigraphy
11. Myocardial perfusion scan
12. Captoprail renography, transplant scan
13. Lung perfusion and ventilation scan (V/Q scan)
14. Hepatobiliary scan
15. GIS bleeding scan
16. FDG PET in oncology, cardiology and neurology
17. Radionuclide Therapy

## NUCLEAR MEDICINE EDUCATIONAL PROGRAM

### 1.Day

#### TIME

09.00-10.30  
10.45-11.30  
11.30-12.00  
13.00-13.30  
System  
13.45-14.30  
14.45-15.30  
15.45-16.30

#### SUBJECT

Basic radiation physics and radiation detectors used in Nuclear Medicine  
Practice: Radiation detectors, hotlab  
Introduction to Nuclear Medicine  
Practice: Radiopharmaceuticals, Gamma Camera, PET/CT, Thyroid Uptake  
Radiation safety and effects of radiation  
Brain Imaging and neurologic PET Application  
Bone scintigraphy and other tumor agents

### 2.Day

09.00-10.00  
10.15-10.45  
11.00-11.30  
11.30-12.00  
13.00-13.45  
14.00-14.45  
15.00-16.30

Thyroid and parathyroid Scintigraphy  
Nuclear Medicine in Hyperthyroidism  
Nuclear Medicine in Thyroid Cancer  
Practice: Thyroid  
FDG-PET in lung cancer  
FDG-PET in breast cancer  
Practice: PET imaging

### 3.Day

09.00-10.00  
10.15-11.00  
11.15-12.00  
13.00-14.00  
14.15-15.30  
15.40-16.30

Myocardial perfusion scan (MPS): Indications, techniques  
Practice: MPS  
Cardiologic PET Application  
Lung perfusion and ventilation scintigraphy (V/Q scan)  
Hepatobiliary scan and GIS Bleeding Scan  
Practice: Lung and GIS system imaging

### 4.Day

09.00-09.45  
10.00-10.45  
11.00-12.00  
13.00-13.45  
14.00-14.45  
15.00-16.30

Dynamic and static renal scintigraphy  
Captopril Renography and Transplant Scan  
Practice: Renal scintigraphy  
Radionuclide Therapy  
FDG-PET in lymphoma  
Practice: Radionuclide therapy

### 5.Day

09.00-09.45  
10.00-10.45  
11.00-12.00  
13.00-13.45  
14.00-14.45  
15.00-16.00  
16.00-17.00

Infection Imaging part 1: FDG-PET,  
Infection Imaging part 2: Leucocyte and Gallium 67 Scintigraphies  
Practice : infection imaging  
FDG-PET in Head and Neck Cancer  
FDG-PET in GIS and gynecologic cancers  
Practice: PET imaging  
EXAM

**RADIATION ONCOLOGY**  
**(1 week)**  
**&**  
**DR. LÜTFİ KIRDAR KARTAL TRAINING AND RESEARCH HOSPITAL**

**Alpaslan Mayadağlı, MD. (Chief)**  
**Cengiz Gemici, MD. (Course Coordinator )**  
**Sevgi Özden, MD.**  
**Mihriban Koçak, MD.**  
**Makbule Eren, MD.**  
**Hazan Özyurt, MD.**  
**Atınç Aksu, MD.**  
**Naciye Özşeker, MD.**  
**Saliha Peksu, MD.**

**LECTURES**

1. Introduction to Radiation Oncology
2. Basic terminology
3. Physics and biology of therapeutic radiation
4. Radiation treatment planning
5. Types of therapeutic radiation
6. Cancer types and role of radiotherapy in cancer management
7. Combined treatment with chemotherapy and radiation and its importance in organ preservation
8. Role of radiotherapy in cancer palliation and pain
9. Role of radiotherapy in benign diseases
10. New technology and its role in cancer management

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
09:40 10:30	Introduction and Radiation Oncology Terminology <b>CENGİZ GEMİCİ, MD</b>	Types of Radiotherapy <b>ATINÇ AKSU, MD</b>	Breast Cancer <b>HAZAN ÖZYURT, MD</b>	Lymphomas <b>HAZAN ÖZYURT, MD</b>	RT of Benign Diseases <b>SEVGİ ÖZDEN, MD</b>
10:40 11:30	Basics of Radiation Physics <b>ATINÇ AKSU, MD</b>	External beam radiation and brachytherapy <b>HAZAN ÖZYURT, MD</b>	Lung Cancer <b>Mihriban Koçak, MD</b>	Gynecologic Cancers <b>Makbule Eren, MD.</b>	Skin Cancer <b>ATINÇ AKSU, MD</b>
11:40 12:30	Basics of Radiation Biology <b>CENGİZ GEMİCİ, MD</b>	3-D Conformal RT, Intensity Modulated RT, Sterotaxic Radiosurgery <b>SEVGİ ÖZDEN, MD</b>	Gastrointestinal Cancers <b>CENGİZ GEMİCİ, MD</b>	Urinary System Cancers <b>NACİYE ÖZŞEKER, MD</b>	Student Presentations <b>CENGİZ GEMİCİ, MD</b>
13:40 14:30	Treatment Planning and Aim of Simulation <b>ATINÇ AKSU, MD</b>	Cancer Management, Cancer Treatment Options <b>SEVGİ ÖZDEN, MD</b>	Head and Neck Cancers <b>SALİHA PEKSU, MD</b>	Pediatric Cancers <b>HAZAN ÖZYURT, MD</b>	Student Presentations <b>CENGİZ GEMİCİ, MD</b>
14:40 15:30	Treatment Set-up, Simulation Procedure <b>ALPASLAN MAYADAĞLI, MD</b>	Radioprotection, Radiosensitization <b>CENGİZ GEMİCİ, MD</b>	Brain Tumors <b>NACİYE ÖZŞEKER, MD</b>	Palliative Radiotherapy <b>NACİYE ÖZŞEKER, MD</b>	Quiz <b>CENGİZ GEMİCİ, MD</b>
15:40 16:30	Radiation Techniques <b>ATINÇ AKSU, MD</b>	Clinical Practice 1. <b>HAZAN ÖZYURT, MD</b>	Clinical Practice 2. <b>NACİYE ÖZŞEKER, MD</b>	Clinical Practice 3. <b>SEVGİ ÖZDEN, MD</b>	Discussion <b>ALPASLAN MAYADAĞLI, MD</b>

**ANESTHESIOLOGY AND REANIMATION CLERKSHIP**  
**(2 weeks)**  
**YEDİTEPE UNIVERSITY HOSPITAL**

Head of the Department Anesthesiology: Özge Köner, MD Prof.

Sibel Temür, MD Prof.

Ferdi Menda, MD Assoc. Prof.

Özgül Keskin, MD Assoc. Prof.

Sevgi Bilgen, MD Assist. Prof.

Nurcan Sancar, MD

CLERKSHIP	ANESTHESIOLOGY AND REANIMATION <i>Aim of this clerkship is to;</i>
AIM	<ol style="list-style-type: none"> <li>1. <b>convey</b> necessary knowledge on anesthesia and anesthesia methods, pharmacologic properties of anesthetic agents and their clinical practice.</li> <li>2. <b>equip</b> students <b>with</b> skills and attitudes required to manage patients in intensive care unit.</li> </ol>
<i>At the end of this term, student should be able to:</i>	
KNOWLEDGE	1. <b>define</b> anesthesia and explain theory of anesthesia.
	2. <b>define</b> anesthetic agents and their pharmacologic properties.
	3. <b>describe</b> anesthesia methods and practices.
	4. <b>evaluate</b> anatomy of airway
	5. <b>list</b> airway management equipment
SKILLS	6. <b>use</b> transport ventilator
	7. <b>manage</b> airway ( <i>face mask ventilation, mayo tube -guide airway-insertion, laryngeal mask airway insertion</i> ).
	8. <b>do</b> endotracheal intubation on proper patient or on training model.
	9. <b>perform</b> cardiopulmonary resuscitation.
	10. <b>practice</b> hemodynamic monitoring
	11. <b>analyze</b> hemodynamic monitoring.
ATTITUDES	12. <b>be prepared</b> for cardiopulmonary resuscitation process
	13. <b>follow</b> clinical reflections of anesthetic drugs
	14. <b>analyze</b> which situations and patients require intensive care unit.
	15. <b>hold</b> confidentiality of patients
COMPETENCIES	16. <b>practice</b> basic life support



## ANESTHESIOLOGY AND REANIMATION

### LECTURES

1.1. Introduction to the principles of general anesthesia and postoperative complications

Özge Köner, MD Prof.

1.2. Regional anesthesia and local anesthetics

Sevgi Bilgen, MD Assist.Prof.

1.3. Basic Life Support

Sibel Temür, MD Prof.

1.4. Advanced Life Support

Sibel Temür, MD Prof.

1.5. Coma / Brain death

Sibel Temür, MD Prof.

1.6. Intoxications

Özge Köner, MD Prof.

1.7. Anaphylaxis

Ferdi Menda, MD Assoc.Prof.

1.8. Sepsis

Sibel Temür, MD Prof.

1.9. Intravenous/Volatile Anesthetics

Özge Köner, MD Prof.

Nurcan Sancar, MD

1.10. Pain

Ferdi Menda, MD Assoc. Prof.

1.11. Acute respiratory insufficiency

Nurcan Sancar, MD

1.12. Acid-base disorders and arterial blood gas evaluation Özge Köner, MD Prof.

1.13. Fluid electrolyte balance

Özge Köner, MD Prof.

1.14. Shock

Sevgi Bilgen, MD Assist. Prof.

1.15. Thermoregulation (hypo/hyperthermia)

Özgül Keskin, MD Assoc. Prof.

1.16. Blood transfusion and complications

Ferdi Menda, MD Assoc. Prof.

1.17. Anesthesia for the head trauma patient

Özgül Keskin, MD

1.18. Drowning and near drowning

Özgül Keskin, MD

## ANESTHESIOLOGY AND REANIMATION (2 WEEKS)

### FIRST WEEK:

TIME	Monday	Tuesday	Wednesday	Thursday	Friday
<b>08.30-12.30</b>	Practice	Practice	Practice	Practice	Practice
<b>14.00-14.50</b>	Introduction to general anesthesia	Regional anesthesia and local anesthetics	Coma / Brain death	Acid-base disorders and arterial blood gas evaluation	Basic Life Support
<b>15.00-15.50</b>	Anesthetic agents	Pain	Sepsis	Fluid-electrolyte balance	Advanced Life Support

### SECOND WEEK:

TIME	Monday	Tuesday	Wednesday	Thursday	Friday
<b>08.00-12.30</b>	Practice	Practice	Practice	Practice	Practice
<b>14.00-14.50</b>	Acute respiratory insufficiency	Anaphylaxis	Anesthesia for the head trauma patient	Intoxications	EXAM
<b>15.00-15.50</b>	Shock	Blood transfusion and complications	Thermoregulation	Drowning and near drowning	

**UROLOGY CLERKSHIP**  
(2 weeks)  
**YEDİTEPE UNIVERSITY HOSPITAL**

Head of the Department Urology: Faruk Yencilek, MD Assoc Prof.  
Hakan Koyuncu, MD Assist Prof.  
Ahmet Tunç Özdemir, MD Assist Prof.

CLERKSHIP	UROLOGY <i>Aim of this clerkship is to;</i>
AIM	<ol style="list-style-type: none"> <li>1. <b>convey</b> necessary knowledge on symptomatology, clinical features and pathology of urinary and genital system disorders,</li> <li>2. <b>equip</b> students <b>with</b> knowledge, skills and attitudes required to manage clinical conditions related to urology at primary care setting</li> </ol>
<i>At the end of this term, student should be able to:</i>	
KNOWLEDGE	1. <b>explain</b> mechanisms for urine formation and renal hemodynamics.
	2. <b>describe</b> urgent urological disorders
	3. <b>describe</b> disorders of kidney, ureter and bladder
	4. <b>describe</b> genital system disorders of male
	5. <b>describe</b> male sexual and reproductive system disorders
	6. <b>explain</b> underlying reasons and pathologies of female incontinence
	7. <b>evaluate</b> urinary system pathologies
SKILLS	8. <b>make</b> physical examination of male urogenital system, female urinary system and female continence
	9. <b>interpret</b> results of laboratory and radiological examinations related to urologic disorders
	10. <b>perform</b> attachment of urethral catheter for male and female
COMPETENCIES	11. <b>manage</b> urgent urological and urogenital diseases

## UROLOGY LECTURES

Introduction to Urology Duration: 1 hour	Faruk YENCİLEK
Urinary Stone Disease Duration: 3 hours	Faruk YENCİLEK Hakan KOYUNCU
Prostate Cancer Duration: 2 hours	Ahmet Tunç ÖZDEMİR
Renal Neoplasms Duration: 2 hours	Ahmet Tunç ÖZDEMİR
Scrotal and Related Diseases Duration: 2 hours	Hakan KOYUNCU
Tumors of Testis Duration: 2 hours	Faruk YENCİLEK
Bladder Tumors Duration: 2 hours	Ahmet Tunç ÖZDEMİR
Urogenital Abnormalities (Horseshoe kidney and Cystic Disease of Kidney) Duration: 2 hours	Faruk YENCİLEK Ahmet Tunç ÖZDEMİR
Benign Prostatic Hyperplasia Duration: 2 hours	Hakan KOYUNCU
Urogenital Trauma Duration: 1 hours	Hakan KOYUNCU
Urological Emergencies Duration: 2 hours	Hakan KOYUNCU

**INFECTIOUS DISEASES AND CLINICAL MICROBIOLOGY CLERKSHIP**  
**( 2 weeks)**  
**YEDİTEPE UNIVERSITY HOSPITAL**

Meral Sönmezoğlu, MD Assoc Prof.  
 Gül den Çelik, MD Prof  
 Yeşim Gürol, MD Assoc Prof.  
 Çağatay Acuner, MD Assist Prof.

&

**HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL**

Chief of the Department of Infectious Diseases: Seyfi Çelik Özyürek, MD  
 Nurgül Ceran, MD Assoc. Prof.  
 Derya Öztürk Engin, MD  
 Emin Karagül, MD  
 Asumaninan, MD

CLERKSHIP	INFECTIOUS DISEASES <i>Aim of this clerkship is to;</i>
AIM	1. <b>equip</b> students <b>with</b> necessary knowledge, skills and attitudes to manage infectious diseases including diagnosis and evaluation of pathology and clinical manifestations, treatment and prevention methods.
<i>At the end of this term, student should be able to:</i>	
KNOWLEDGE	1. <b>describe</b> required approach to patients with infectious diseases including evaluation of microbiological test results
	2. <b>recognize</b> epidemiology, diagnosis and differential diagnosis of infectious diseases endemic in our country and/or in world.
	3. <b>explain</b> infectious disease emergencies, diagnosis and approach to treatment modalities, antibiotic usage rationale, and basic antibiotic usage guidelines.
SKILLS	4. <b>record</b> clinical history from infectious disease patients.
	5. <b>perform</b> physical examination, following-up, requesting and analyzing diagnostic tests in light of signs and symptoms of patients; both on inpatient and outpatient clinical settings.
	6. <b>perform</b> nonspecific tests used in diagnosis of infectious diseases ( <i>white blood cell counting, blood smear examination, urine sample microscopy, etc.</i> )
	7. <b>evaluate</b> patient samples microbiologically ( <i>for presence of bacteria, parasites, blood cells, etc.</i> )
	8. <b>plan</b> treatment of patients.
	9. <b>practice</b> active and passive vaccination
	10. <b>plan</b> regulations to solve patients problems along with treatment
ATTITUDES	11. <b>hold</b> confidentiality of patients
COMPETENCIES	12. <b>diagnose</b> infectious diseases
	13. <b>analyze</b> laboratory test results
	14. <b>plan</b> treatment of infections
	15. <b>monitor</b> patients' clinical progress.

**YEDİTEPE UNIVERSITY HOSPITAL**  
**DEPARTMENT OF INFECTIOUS DISEASES AND CLINICAL MICROBIOLOGY**

2013-2014

Date /Day	Time	Subject	Lecturer
	08.30-12.00	Haydarpaşa Numune	Practice (hospital visits)
Monday	13.00-13.10	Welcome, adaptation	Meral Sönmezoğlu
	13.10-13.50	Specimen selection, collection and processing in infectious disease	Yeşim Gürol
	14.00-14.50	Direct and indirect diagnostic methods in infectious diseases	Güliden Çelik
	15.00-15.50	Antimicrobial resistance	Çağatay Acuner
	08.30-12.00	Haydarpaşa Numune	Practice (hospital visits)
Tuesday	13.00-13.50	Central nervous system infections	Meral Sönmezoğlu
	14.00-14.50	HIV infection and AIDS	Meral Sönmezoğlu
	08.30-12.00	Haydarpaşa Numune	Practice (hospital visits)
Wednesday	13.00-13.50	Gastroenteritidis and food poisoning	Meral Sönmezoğlu
	14.00-14.50	Tuberculosis	Meral Sönmezoğlu
	15.00-15.50	Nosocomial infections	Meral Sönmezoğlu
	08.30-12.00	Haydarpaşa Numune	Practice (hospital visits)
Thursday	13.00-13.50	Infective endocarditis	Meral Sönmezoğlu
	14.00-14.50	Sepsis	Meral Sönmezoğlu
	08.30-12.00	Haydarpaşa Numune	Practice (hospital visits)
Friday	13.00-13.50	Pneumonia in immunocompetent and HIV patient	Meral Sönmezoğlu
	14.00-14.50	Brucellosis	Meral Sönmezoğlu
	15.00-15.50	Salmonellosis	Meral Sönmezoğlu

	08.30-12.00	Haydarpaşa Numune	Practice (hospital visits)
Monday	13.00-13.50	Rational Antibiotic Usage	Meral Sönmezoğlu
	14.00-14.50	Acute viral hepatitis	Meral Sönmezoğlu
	08.30-12.00	Haydarpaşa Numune	Practice (hospital visits)
Tuesday	13.00-13.50	Upper respiratory tract infections	Meral Sönmezoğlu
	14.00-14.50	Fever and fever of unknown origin	Meral Sönmezoğlu
	15.00-15.50	Viral exanthems	Meral Sönmezoğlu
	08.30-12.00	Haydarpaşa Numune	Practice (hospital visits)
Wednesday	13.00-13.50	Sterilization, disinfection and antisepsi	Meral Sönmezoğlu
	14.00-14.50	Crimean Congo Hemorrhagic Fever	Meral Sönmezoğlu
	15.00-15.50	H1N1 Influenza	Meral Sönmezoğlu
	08.30-12.00	Haydarpaşa Numune	Practice (hospital visits)
Thursday	13.00-13.50	Immunization and prophylaxis	Meral Sönmezoğlu
	14.00-14.50	Skin and soft tissue infections	Meral Sönmezoğlu
	15.00-15.50	Urinary tract infections	Meral Sönmezoğlu
	08.30-12.00	Haydarpaşa Numune	Practice (hospital visits)
Friday	13.00-14.50	EXAMINATION	Meral Sönmezoğlu

**PEDIATRIC SURGERY CLERKSHIP  
YEDİTEPE UNIVERSITY HOSPITAL  
(2 weeks)**

**Head of the Department of Pediatric Surgery: Selami Sözübir, MD Prof.**

**&**

**TC İSTANBUL MEDENİYET UNIVERSITY GÖZTEPE TRAINING AND RESEARCH  
HOSPITAL**

**Chief of the Department of Pediatric Surgery: Hamit Okur, MD Prof.**

**Çiğdem Ulukaya-Durakbaşı, MD Assoc. Prof.**

**Burhan Aksu, MD Assoc. Prof.**

**Murat Mutuş, MD**

**Meltem Çağlar, MD**

**Neslihan Gülçin, MD**

**Definition**

Pediatric Surgery is the field of medicine that encompasses a broad range of diseases and malformations, both operative and non-operative, from the fetal period until the end of childhood (0-18 years). In addition to the body systems covered by general surgery, Pediatric Surgery also deals with non-cardiac thoracic conditions and specific genito-urinary and gynecological problems in children.

**Aims**

- To become familiar with the recognition, natural history, and general and specific treatment of those pediatric surgical conditions that one would expect to encounter in general medical practice in a community lacking the immediate availability of a pediatric surgeon.
- To familiarize oneself with the pathophysiology of pediatric surgical conditions, and the response of a child to surgery and trauma.

**Educational Goals**

The 5th year program in Pediatric Surgery is intended to build on students' knowledge of surgical principles and the practice of General Surgery and Pediatrics acquired in years 1-4, and to introduce the student to the surgical treatment of diseases of the following parts of the children's body: the head and neck, digestive tract, the skin, the soft tissues, the genitourinary tract and the respiratory tract. Students are expected to continue to demonstrate their mastery of learning objectives in the domains of Learning Skills, Clinical Skills, Practical Skills and Principles of Surgery.



## **Educational Objectives**

### **Clinical Skills**

Given a patient with a pediatric general surgical disease, the student will be able to do the following to the satisfaction of his/her supervisor(s):

- Take a relevant history.
- Perform an acceptable physical exam concentrating on the relevant areas.
- Arrive at an appropriate differential diagnosis.

### **Cognitive Knowledge**

The student will be expected to demonstrate a fundamental knowledge and understanding of the following general areas and disease processes. The student's knowledge base must be adequate to permit appropriate assessment, investigation, diagnosis, and treatment.

- Common pediatric surgical and urological problems in the emergency department
- The "Acute Abdomen" in children (acute appendicitis, acute gastroenteritis, bowel obstruction, intussusception, malrotation and volvulus etc.)
- Hernias and common surgical problems of inguinal region
- Rectal bleeding in children (fissure-in-ano, juvenile polyp, Meckel's diverticulum, medical conditions that may cause rectal bleeding)
- Common anorectal problems
- The constipated child
- Non-bilious and bilious vomiting in children (pyloric stenosis, gastroesophageal reflux and intestinal obstructions)
- The abdominal mass and solid tumors in childhood (Wilms tumor, neuroblastoma, etc.)
- Common neonatal surgical conditions (neonatal intestinal obstruction, & gastroschisis, necrotizing enterocolitis, imperforate anus, abdominal masses)
- Trauma (general approach to the multiply injured child)
- Prenatal diagnosed disease related to pediatric general and urological conditions
- Common pediatric urological conditions
- Surgical aspects in urinary tract infections in childhood
- Surgical fluid and electrolyte hemostasis
- Congenital anomalies of genito-urinary tract

- **Format**

Students complete 2-week rotation. During phase 2 main type of lessons held; practices and theoretical lessons. In addition, every student gives one article brief from JPS. In the last day of phase students enter the examination. If the student does not exist more than 20 % of lessons or practices without available reason, the student does not have right to enter examination. Examination starts with written exam in test format with 50 questions. Then the student enters oral exam.

The total mark of student calculates in this format: 60% oral (in this 10% from seminar) and 40% from written exam.

Activity	Numbers
Orientation	1
Lectures	28
Interactive Case Studies	7
Student Seminars	Every student gives one article brief from JPS (5mins)
Total	36 + Student Seminars

**PEDIATRIC SURGERY**  
**PHASE V PROGRAM**

**YUH : Yeditepe University Hospital**  
**MUGH : Medeniyet University Göztepe Hospital**

**1st Week**

**Monday**

09.00-10.00	Phase of Pediatric Surgery Orientation Selami Sözübir (YUH)
10.15-11.00	Lecture (Child and Surgery) Selami Sözübir (YUH)
11.15-12.00	Lecture (The Newborn as a Surgical Patient) Selami Sözübir (YUH)

13.15-14.00	Practice and ward round - Çiğdem Ulukaya Durakbaşı
14.15-15.00	Lecture (Fluid and Electrolyte Balance) Çiğdem Ulukaya Durakbaşı
15.15-16.00	Lecture (Nonbilious Vomiting in Children) Çiğdem Ulukaya Durakbaşı

**Tuesday**

08.00-08.45	Practice and ward round -
9.00-09.45	Lecture (Inguinal and Scrotal Pathologies-I) Hamit Okur
10.15-11.00	Lecture (Inguinal and Scrotal Pathologies – II) Hamit Okur
11.15-12.00	Lecture (Hirschsprung's Disease and Constipation) Hamit Okur

13.15-16.00	Practice Outpatients Clinics and Operating Theatre
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**Wednesday**

08.00-08.45	Practice and ward round
09.00-09.45	Lecture (Solid Tumors in Childhood-I) Meltem Çağlar
10.00-11.00	Lecture (Solid Tumors in Childhood-I) Meltem Çağlar
11.15-12.00	Interactive Case Studies (Pediatric Surgical Emergencies) Murat Mutuş

13.15-14.00	Lecture (Abdominal Wall Defects and Umbilical Pathologies) Selami Sözübir (YUH)
14.15-15.00	Lecture (GI Bleeding in Childhood - I) Selami Sözübir (YUH)
15.15-16.00	Lecture (GI Bleeding in Childhood - II) Selami Sozubir (YUH)

**Thursday**

08.00-08.45	Practice and ward round
9.00-10.00	Interactive Case Studies (Pediatric Urologic Cases) Hamit Okur
10.15-11.00	Lecture (Surgical Diseases of Lung and Pleura) Burhan Aksu
11.15-12.00	Lecture (Diaphragmatic Pathologies) Burhan Aksu

  

13.15-16.00	Practice- Outpatients Clinics and Operating Theatre
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**Friday**

08.00-08.45	Ward round and Practice
9.00-10.00	Lecture (Anorectal Malformations) Murat Mutuş
10.15-11.00	Lecture (Voiding Dysfunction and Urinary Incontinence) Murat Mutuş
11.15-12.00	Lecture (Biliary Atresia and Obstructive Jaundice) Murat Mutuş

  

13.15-16.00	Practice- Outpatients Clinic and Operating Theatre
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**2nd Week****Monday**

08.00-08.45	Ward round and Practice
9.00-10.00	Lecture (Prenatal Diagnosis in Pediatric Surgery and Urology) Neslihan Gülçin
10.15-11.00	Lecture (Acute Abdomen) Neslihan Gülçin
11.15-12.00	Lecture (Trauma) Neslihan Gülçin

  

13.15-14.00	Lecture (Obstructive Pediatric Urological Pathologies) Selami Sözübir (YUH)
14.15-15.00	Lecture (Non Obstructive Pediatric Urological Pathologies) Selami Sözübir (YUH)
15.15-16.00	Interactive Case Studies ( <u>Pediatric Surgical Emergencies</u> ) (YUH)

**Tuesday**

08.00-08.45	Prctice and ward round-
09.00-12.00	Practice Oupatients clinics and Operating Theatre
13.15-15.00	Lecture (Neonatal Gastrointestinal Obstruction-I) Çiğdem Ulukaya Durakbaşı
14.15-15.00	Lecture (Neonatal Gastrointestinal Obstruction-I) Çiğdem Ulukaya Durakbaşı
15.15-16.00	Interactive Case Studies (Newborn Surgery) Çiğdem Ulukaya Durakbaşı

**Wednesday**

08.00-08.45	Ward round and Practice
09.00-10.00	Lecture (External genital abnormalities and circumcision) Burhan Aksu
10.15-11.00	Lecture (Esophageal atresia) Burhan Aksu
11.15-12.00	Interactive case studies (Pediatric Thoracic Surgery) Burhan Aksu
13.00-14.30	Grand Round and Practice - Selami Sözübir (YUH)
15 .00- 16.30	Seminars of students - Selami Sözübir (YUH)

**Thursday**

08.00-0845	Practice and ward round-
09.00-10.00	Lecture (Head and Neck Pathologies) Meltem Çağlar
10.15-11.00	Interactive Case Studies (Pediatric Oncology) Meltem Çağlar
11.15-12.00	Interactive Case Studies (Genaral Pediatric Surgery) Neslihan Gülçin
13.15-15.00	Grand Round and Practice

**Friday**

9.00-10.00	Written Examination
10.00- 11.00	Evaluation of results
11.00-13.00	Oral Examination

**CLINICAL PHARMACOLOGY CLERKSHIP**  
**RATIONAL PHARMACOTHERAPY – RATIONAL DRUG USE**  
**(1,5 weeks)**  
**YEDİTEPE UNIVERSITY FACULTY OF MEDICINE**

Head of the Department of Clinical Pharmacology: Ece Genç, PhD Prof.

Serdar Alpan, MD Prof.

Zafer Gören, MD Prof.

CLERKSHIP	CLINICAL PHARMACOLOGY <i>Aim of this clerkship is to;</i>
AIM	<ol style="list-style-type: none"> <li>1. <b>convey</b> necessary knowledge on rational drug use in medical practice.</li> <li>2. <b>equip</b> students <b>with</b> necessary skills and attitudes required for pharmacotherapy</li> </ol>
<i>At the end of this term, student should be able to:</i>	
KNOWLEDGE	1. <b>define</b> patient's problem
	2. <b>list</b> aims of therapy
	3. <b>list</b> effective drug groups
	4. <b>list</b> personal drugs
	5. <b>identify</b> "proper" drug according to certain criteria
SKILLS	6. <b>do</b> preparation of personal formulary
	7. <b>enhance</b> prescription writing skills.
ATTITUDES	8. <b>use</b> the right drug at the right dose at appropriate intervals with a special attention to economic aspects of therapy

<b>DAY</b>	<b>TOPIC</b>
<b>MONDAY</b>	
9:00 - 9:45	Introduction to the program, OSCE Examination and its specifications
10:00 -10:45	“Groningen” model in Rational Pharmacotherapy
11:00 - 12:00	Good Prescribing Guide
12:00 – 13:00	LUNCH BREAK
13:00 – 13:45	Personal Drugs, Introduction of the MAUA forms
14:00 – 16:00	Clinical Pharmacology of antihypertensive drugs
<b>TUESDAY</b>	
9:00 – 12:00	Student presentations of antihypertensive drugs
12:00 – 13:00	LUNCH BREAK
13:00 – 15:00	Personal drugs for hypertension 1
<b>WEDNESDAY</b>	
9:00 - 11:00	Personal drugs for hypertension 2
11:00 - 12:00	Solving case studies for hypertension
12:00 – 13:00	LUNCH BREAK
13:00 - 15:00	Further case studies on hypertension
<b>THURSDAY</b>	
10:00 - 12:00	Urinary tract infections, goals of therapy and non-pharmacological therapy methods
12:00 – 13:00	LUNCH BREAK
13:00 – 16:00	Personal drugs for urinary tract infections
<b>FRIDAY</b>	
9:00 - 12:00	Solving case studies for urinary tract infections
12:00 – 13:00	LUNCH BREAK
13:00 – 16:00	Further case studies on urinary tract infections

<b>DAY</b>	<b>TOPIC</b>
<b>MONDAY</b>	
9:00 – 12:00	Antimicrobials for sinusitis
12:00 – 13:00	LUNCH BREAK
13:00 – 16:00	Determination of P-drugs for sinusitis 1
<b>TUESDAY</b>	
9:00 – 12:00	Determination of P-drugs for sinusitis 2
12:00 – 13:00	LUNCH BREAK
13:00 – 15:00	Solving case studies in sinusitis
<b>WEDNESDAY</b>	
9:00 – 12:00	OSCE
12:00 – 13:00	LUNCH BREAK
13:00 – 16:00	Evaluation of the rational drug therapy clerkship



**FORENSIC MEDICINE CLERKSHIP**  
**(1,5 weeks)**  
**YEDİTEPE UNIVERSITY FACULTY OF MEDICINE**

Oğuz Polat, MD Prof.  
M. Ercüment Aksoy, MD Prof.

CLERKSHIP	FORENSIC MEDICINE <i>Aim of this clerkship is to;</i>
AIM	1. <b>convey</b> necessary knowledge on evaluation and reporting of forensic cases.
<i>At the end of this term, student should be able to:</i>	
KNOWLEDGE	1. <b>evaluate</b> forensic cases and to report cases.
	2. <b>describe</b> fundamentals of forensic autopsy.
	3. <b>define</b> cause, origin and mechanism of death in forensic cases.
	4. <b>outline</b> legal responsibilities in medical practice.
	5. <b>explain</b> fundamentals of crime scene investigation and identification
SKILLS	6. <b>make</b> physical examination of forensic deaths.
	7. <b>manage</b> forensic death examination document filling.
	8. <b>evaluate</b> traumatized patients.
	9. <b>arrange</b> forensic reports.
	10. <b>evaluate</b> and <b>report</b> sexual crimes.
ATTITUDES	11. <b>do</b> definition and management of forensic cases.

**GROUP I.**

Time					
09:00-09:45	Forensic System and Physician Polat O. MD.	Forensic Autopsy I. Polat O. MD.	Sexual offences I. Polat O. MD.		The pathophysiology of death Aksoy ME MD.
10:00-10:45	Child rights Polat O. MD.	Forensic Autopsy II. Polat O. MD.	Sexual offences II. Polat O. MD.		Post Mortem Changes Aksoy ME MD.
11:00-11:45	Child abuse and neglect Polat O. MD.	Forensic Autopsy III. Polat O. MD.	Crime scene Investigation Polat O. MD.		Time of death Aksoy ME MD.
13:00-13:45	Elder Abuse Polat O. MD.	Suffocation and asphyxia Polat O. MD.	Forensic Autopsy Practice Polat O. MD.		The establishment of identity of human remains Aksoy ME MD.
14:00-14:45	Legal aspects of child abuse Polat O. MD.	Fatal pressure on the neck Polat O. MD.	Forensic Autopsy Practice Polat O. MD.		Turkish Penalty Code and physician Aksoy ME MD.
15:00-15:45	Forensic psychiatry Polat O. MD.	Human Rights Violations Polat O. MD.	Forensic Autopsy Practice Polat O. MD.		Evaluation of Legal Cases Aksoy ME MD.

Time					
09:00-09:45	The pathology of wounds I. Polat O. MD.	Report Writing I. Aksoy ME MD.	Forensic aspects of alcohol Aksoy ME MD.		
10:00-10:45	The pathology of wounds II. Polat O. MD.	Report Writing II. Aksoy ME MD.	Poisoning with medicines Aksoy ME MD.		
11:00-11:45	Sharp force injuries Polat O. MD.	Electrical injuries Aksoy ME MD.	Narcotic and hallucinogenic drugs Aksoy ME MD.		
13:00-13:45	Blunt force injuries Aksoy ME MD.	Immersion deaths Aksoy ME MD.	The pathology of sudden death Aksoy ME MD.		
14:00-14:45	Gunshot and explosion deaths I. Aksoy ME MD.	Poisoning Aksoy ME MD.	Exam Aksoy ME MD.		
15:00-15:45	Gunshot and explosion deaths II. Aksoy ME MD.	Carbon monoxide poisoning Aksoy ME MD.	Exam Aksoy ME MD.		

**GROUP II.**

Time					
09:00-09:45				Forensic System and Physician Polat O. MD.	Forensic Autopsy I. Polat O. MD.
10:00-10:45				Child rights Polat O. MD.	Forensic Autopsy II. Polat O. MD.
11:00-11:45				Child abuse and neglect Polat O. MD.	Forensic Autopsy III. Polat O. MD.
13:00-13:45				Elder Abuse Polat O. MD.	Suffocation and asphyxia Polat O. MD.
14:00-14:45				Legal aspects of child abuse Polat O. MD.	Fatal pressure on the neck Polat O. MD.
15:00-15:45				Forensic psychiatry Polat O. MD.	Human Rights Violations Polat O. MD.

Time					
09:00-09:45	Sexual offences I. Polat O. MD.	The pathophysiology of death Aksoy ME MD.	The pathology of wounds I. Polat O. MD.	Report Writing I. Aksoy ME MD.	Forensic aspects of alcohol Aksoy ME MD.
10:00-10:45	Sexual offences II. Polat O. MD.	Post mortem changes Aksoy ME MD.	The pathology of wounds II. Polat O. MD.	Report Writing II. Aksoy ME MD.	Poisoning with medicines Aksoy ME MD.
11:00-11:45	Crime scene Investigation Polat O. MD.	Time of death Aksoy ME MD.	Sharp force injuries Polat O. MD.	Electrical injuries Aksoy ME MD.	Narcotic and hallucinogenic drugs Aksoy ME MD.
13:00-13:45	Forensic Autopsy Practice Polat O. MD.	The establishment of identity of human remains Aksoy ME MD.	Blunt force injuries Aksoy ME MD.	Immersion deaths Aksoy ME MD.	The pathology of sudden death Aksoy ME MD.
14:00-14:45	Forensic Autopsy Practice Polat O. MD.	Turkish Penalty Code and physician Aksoy ME MD.	Gunshot and explosion deaths I. Aksoy ME MD.	Poisoning Aksoy ME MD.	Exam Aksoy ME MD.
15:00-15:45	Forensic Autopsy Practice Polat O. MD.	Evaluation of Legal Cases Aksoy ME MD.	Gunshot and explosion deaths II. Aksoy ME MD.	Carbon monoxide poisoning Aksoy ME MD.	Exam Aksoy ME MD.



**T.C.**  
**YEDİTEPE ÜNİVERSİTESİ TIP FAKÜLTESİ**  
**2013 - 2014**  
**STAJ DEĞERLENDİRME FORMU**

**V. SINIF STAJ DEĞERLENDİRME FORMU**

Adı Soyadı :  
Numarası :  
Çalıştığı Bölüm :  
Başladığı Tarih :  
Bitirdiği Tarih :  
Stajı Tekrarladıysa Kaçıncı :  
Tekrar olduğu

	Harfle	Rakamla
<b>Takdir Edilen Not:</b>		

**Staja Devam Etmedi :**

**Staja Devam etti, Sınava girmede :**

**Klinik Şefi veya Sorumlu :**  
**Öğretim Üyesi :**  
**İmza :**  
**Tarih :**

**85-100 AA**

**75-84 BA**

**65-74 BB**

**60-64 CB**

**50-59 CC**

**0-49 F (Geçmez)**

**F2 (Devamsız)**

Notlarından birisi takdir edilecektir. Not takdiri yapılırken aşağıdaki hususlarda göz önünde tutulmalıdır : İşinin kalitesi, işinin miktarı, görünüşü, hasta ve hasta sahipleri ile ilişkisi, görevine bağlılık derecesi, mesleki bilgisi, klinikte işbirliği kabiliyeti, toplantılara katılması ve ilgisi.

## Contact

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### Faculty Secretary :

Tel: +90 216 578 05 93

### Dean Secretary:

Tel: +90 216 578 05 05 – 06

Fax: +90 216 578 05 75

### Student Affairs :

Tel: 0216 578 06 86

### Documents Affairs:

Tel: 0216 578 05 23

### Coordinator/ Co-coordinator:

Başar Atalay, MD Prof. (Coordinator): 216 578 40 00 (4272) / batalay@yeditepe.edu.tr

Sibel Temür, MD Prof. (Co-coordinator): 216 578 40 00 (4285) / stemur@yeditepe.edu.tr

Serdar Alpan, MD Prof. (Co-coordinator): 216 578 00 00 (1551) / salpan@yeditepe.edu.tr

Vildan Öztürk, MD Assoc. Prof. (Co-coordinator): 216 578 00 00 (4110) / vozturk@yeditepe.edu.tr

Melih Güven, MD Assoc Prof. (Co-coordinator): 216 578 40 00 (4046)/ melih.guven@yeditepe.edu.tr

Hakan Koyuncu, MD Assist Prof. (Co-coordinator): 216 578 40 00 (4810)/ hakan.koyuncu@yeditepe.edu.tr

Soner Sanioglu, MD Assoc Prof. (Co-coordinator) 216 578 40 00 (4220)/ soner.sanioglu@yeditepe.edu.tr

### Address:

Yeditepe University Faculty of Medicine  
İnönü Mah. Kayışdağı Caddesi,

26 Ağustos Yerleşimi,  
34755 Ataşehir, İstanbul

**Web:** [www.yeditepe.edu.tr](http://www.yeditepe.edu.tr)

<http://www.yeditepe.edu.tr/fakulteler/tip-fakultesi>

**e-mail:** [tipfakdek@yeditepe.edu.tr](mailto:tipfakdek@yeditepe.edu.tr)

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**YEDİTEPE UNIVERSITY**  
**FACULTY of MEDICINE**

İnönü Mah. Kayışdağı Caddesi, 26 Ağustos Yerleşimi,  
34755 Ataşehir, İstanbul

+ 90 216 578 00 00

Student Affairs  
+90 216 578 06 86

[www.yeditepe.edu.tr](http://www.yeditepe.edu.tr)  
<http://www.yeditepe.edu.tr/fakulteler/tip-fakultesi>

[tipfakdek@yeditepe.edu.tr](mailto:tipfakdek@yeditepe.edu.tr)

**TIPE.P.01-B.B.02 Rev 00**