

YEDİTEPE UNIVERSITY

FACULTY of MEDICINE

PHASE V

ACADEMIC PROGRAM BOOK

2012 – 2013

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 dynamics.
- 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.

YEDİTEPE UNIVERSITY
FACULTY of MEDICINE
PHASE V

PHASE V COORDINATION COMMITTEE
(TEACHING YEAR 2012 – 2013)

Ilgaz Yalvaç, MD. Prof. (Coordinator)
Başar Atalay, MD. Prof. (Co-coordinator)
Sibel Temür, MD. Prof. (Co-coordinator)
Serdar Alpan, MD. Prof. (Co-coordinator)
Melih Güven, MD. Assoc. Prof. (Co-coordinator)
Hakan Koyuncu, MD. Assist. Prof. (Co-coordinator)
Şafak Karaçay, MD. Assist. Prof. (Co-coordinator)

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PHASE V

DESCRIPTION OF THE 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

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AIM OF PHASE V

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

**YEDİTEPE UNIVERSITY
FACULTY OF MEDICINE
PHASE V
ACADEMIC CALENDAR 2012 - 2013**

September 3, 2012 Monday	Beginning of Phase IV
October 22 – 28, 2012	Religious Holiday
October 29, 2012 Monday	Republic Day National Holiday
November 10, 2012 Saturday	Anniversary of Atatürk's Death
January 1, 2013 Tuesday	New Year
March 14, 2013 Thursday	Physicians' Day
April 23, 2013 Tuesday	National Holiday
May 1, 2013 Wednesday	Labor's Day
May 19, 2013 Sunday	National Holiday
May 31, 2013 Thursday	End of Phase V
17-21 June 2013	Incomplete Examination

**YEDİTEPE UNIVERSITY
FACULTY OF MEDICINE
PHASE V**

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 CLINIC MICROBIOLOGY**
- **PEDIATRIC SURGERY**
- **CLINICAL PHARMACOLOGY**
- **FORENSIC MEDICINE**

PHASE V 2012 - 2013

	1. GROUP	2. GROUP	3. GROUP	4. GROUP	5. GROUP	6. GROUP	7. GROUP	
03-21.09.2012	ORTHOPAEDICS & TRAUMATOLOGY Y.Ü.T.F. (3 weeks)	PSYCHIATRY + CHILD PSY. Y.Ü.T.F.+E.R.S.H+ Y.Ü.T.F(1) (3 weeks)	NEUROSURGERY Y.Ü.T.F+ K.L.K. (3 weeks)	NEUROLOGY Y.Ü.T.F.+G.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)	
	PMR Y.Ü.T.F. (2 weeks)	RADIOLOGY G.E.A.H. (2 weeks)	NUCLEAR M. Y.Ü.T.F.(1weeks) R.ONCOLOGY K.L.K. (1 weeks)	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)	
24.09-05.10.2012	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+ Y.Ü.T.F(1) (3 weeks)	NEUROSURGERY Y.Ü.T.F+ K.L.K. (3 weeks)	NEUROLOGY Y.Ü.T.F.+G.E.A.H. (3 weeks)	OPHTHALMOLOGY Y.Ü.T.F. (3 weeks)	ENT Y.Ü.T.F. (3 weeks)	
	PEDIATRIC SURGERY Y.Ü.T.F+G.E.A.H. (2 weeks)	PMR Y.Ü.T.F. (2 weeks)	RADIOLOGY G.E.A.H. (2 weeks)	NUCLEAR M. Y.Ü.T.F.(1weeks) R.ONCOLOGY K.L.K.(1 weeks)	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)	
08.10-02.11.2012	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+ Y.Ü.T.F(1) (3 weeks)	NEUROSURGERY Y.Ü.T.F+ K.L.K. (3 weeks)	NEUROLOGY Y.Ü.T.F.+G.E.A.H. (3 weeks)	OPHTHALMOLOGY Y.Ü.T.F. (3 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. (2 weeks)	RADIOLOGY G.E.A.H. (2 weeks)	NUCLEAR M. Y.Ü.T.F.(1weeks) R.ONCOLOGY K.L.K.(1 weeks)	ANESTHESIOLOGY Y.Ü.T.F. (2 weeks)	UROLOGY Y.Ü.T.F (2 weeks)	
10-21.12.2012	OPHTHALMOLOGY Y.Ü.T.F. (3 weeks)	ENT Y.Ü.T.F. (3 weeks)	ORTHOPAEDICS & TRAUMATOLOGY 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+ Y.Ü.T.F(1) (3 weeks)	NEUROLOGY Y.Ü.T.F.+G.E.A.H. (3 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. (2 weeks)	RADIOLOGY G.E.A.H. (2 weeks)	NUCLEAR M. Y.Ü.T.F.(1weeks) R.ONCOLOGY K.L.K.(1 weeks)	ANESTHESIOLOGY Y.Ü.T.F. (2 weeks)	
24.12.2012-11.01.2013	NEUROLOGY Y.Ü.T.F.+G.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+ Y.Ü.T.F(1) (3 weeks)	NEUROSURGERY Y.Ü.T.F+ K.L.K. (3 weeks)	
	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. (2 weeks)	RADIOLOGY G.E.A.H. (2 weeks)	NUCLEAR M. Y.Ü.T.F.(1weeks) R.ONCOLOGY K.L.K.(1 weeks)	
28.01-15.02.2013	NEUROLOGY Y.Ü.T.F.+G.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+ Y.Ü.T.F(1) (3 weeks)	NEUROSURGERY Y.Ü.T.F+ K.L.K. (3 weeks)	
	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. (2 weeks)	RADIOLOGY G.E.A.H. (2 weeks)	NUCLEAR M. Y.Ü.T.F.(1weeks) R.ONCOLOGY K.L.K.(1 weeks)	
18.02-01.03.2013	NEUROSURGERY Y.Ü.T.F+ K.L.K. (3 weeks)	NEUROLOGY Y.Ü.T.F.+G.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+ Y.Ü.T.F(1) (3 weeks)	
	NUCLEAR M. Y.Ü.T.F.(1weeks) R.ONCOLOGY K.L.K.(1 weeks)	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. (2 weeks)	RADIOLOGY G.E.A.H. (2 weeks)	
25.03-05.04.2013	PSYCHIATRY + CHILD PSY. Y.Ü.T.F.+E.R.S.H+ Y.Ü.T.F(1) (3 weeks)	NEUROSURGERY Y.Ü.T.F+ K.L.K. (3 weeks)	NEUROLOGY Y.Ü.T.F.+G.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)	
	RADIOLOGY G.E.A.H. (2 weeks)	NUCLEAR M. Y.Ü.T.F.(1weeks) R.ONCOLOGY K.L.K.(1 weeks)	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. (2 weeks)	
08-26.04.2013	RADIOLOGY G.E.A.H. (2 weeks)	NUCLEAR M. Y.Ü.T.F.(1weeks) R.ONCOLOGY K.L.K.(1 weeks)	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. (2 weeks)	
	13-22.05.2013 CL.PHARMACOLOGY Y.U.T.F. (GROUP I)				FORENSIC MEDICINE Y.U.T.F. (GROUP II)			
23-31.05.2013	FORENSIC MEDICINE Y.U.T.F. (GROUP I)				CL.PHARMACOLOGY Y.U.T.F. (GROUP II)			

17-21.06.2013 Incomplete

Y.Ü.T.F: Yeditepe University Hospital

E.R.S.H: Erenköy Neuropsychiatric Research and Training Hospital

K.L.K: Dr.Lütfi Kırdar Kartal Research And Training Hospital

G.E.A.H.: Ministry Of Health Medeniyet University Göztepe Research And Training Hospital

H.N.H:Haydarapa Numune Research And Training Hospital

YEDİTEPE UNIVERSITY
FACULTY OF MEDICINE PHASE V STUDENT GROUPS

GROUP 1

ECE GÜMÜŞOĞLU
ECE CANSU OKUR
ZEYNEP NUR DEMİROK
RUBA İBRAHİM
BELİN KAMILOĞLU
ÇELİK SÜMER
ŞEYMA TUĞÇE ÜNALDI
CAN OĞUZHAN DURSUN
BERENT ALDIKAÇTI
MUHAMMED EMİN DAĞÜSTÜ

GROUP 2

İHSAN AYHAN
ÖMÜR GÖRGÜLÜ
ARAZ ALİYEYEV
ELVİN ALİYEYEV
İDRİS AVCI
BERKAY BOZKURT
EMİR ÜNAL
AYDIN TALAT BAYDAR
ÇAĞATAY BÜYÜKÇELEN
KAAN UTKU CAN

GROUP 3

ÇAĞLA BAHAR BÜLBÜL
MERVE DEMİR
BÜŞRA DEMİREL
CEMİL ALPAK
SİMGE FAYDALI
ESRA ODUNKIRAN
SEMİH ÖZTÜRK
TUĞBA ŞAHİN
GÜNIŞİL YALÇIN
KÜBRA YILMAZ

GROUP 4

BETÜL AKBAY
GÜL DİLAN BOSTAN
YUNUS EMRE BULUM
PAKİZE CENNETOĞLU
CANER KÖSE
EMİN PALA
MEHMET BAKİ ŞENYÜREK
ABDULLAH TAŞÇI
SELİM TURAN
KEMAL USLU

GROUP 5

DUYGU ERSOY
MAHMUT TALHA KANER
BARAN ERDİK
ZEYNEP KAYA
MUSTAFA SENCER
ÖZKEÇECİ
ELİF ÇİĞDEM ŞİRAZİ
MEHMET CERRAH KIRAN

GROUP 6

YAŞAR CAN ALTINIŞIK
CEYDA AYDIN
BARAN ÇALIŞGAN
ONUR BURAK ÇEĞİLLİ
ECE GİZEM ÇELİKBAŞ
MERVE DİZDAR
HAKAN ERSÖZ
EMİNE GÖKÇE GÜN
ALİ ÖNDER OTURAN
ZEYNEP YILMAZ

GROUP 7

GÖZDE BALKAYA
YASEMİN ÇINAR
EZGİ ER
BETÜL ERCAN
DAMLA EREN
İPEK BUSE GÜZELCE
ZELİHA BAŞAK POLAT
FEYZA SARI
SİMGE TEKTAŞ
LEYLA ZEYNEP TİGREL

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
Portfolia
Presentation
Seminars
Mini clinic examination

***Figures are percentages of points in total written exam score.
Figures do not correspond to exact number of questions.**

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

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

Faik Altıntaş, MD Prof.

Tahsin Beyzadeoğlu, MD Assoc. Prof.

Melih Güven, MD Assoc. Prof.

Çağatay Uluçay, MD Assist. Prof.

Turhan Özler, MD Assist. Prof.

Onur Kocadal MD, Ayberk Önal MD

Burak Çağrı Aksu MD, Mehmet Eşref Ercan MD

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	Dr F. Altıntaş Introduction to Orthopaedics and Traumatology	Student presentation Operation / Policlinics Preop-x ray round	Student presentation Operation / Policlinics Preop-x ray round	Student presentation Operation / Policlinics Preop-x ray round	Student presentation Operation / Policlinics Postop x-ray round
9:00-12:00	Operation / Policlinics	Operation / Policlinics	Operation / Policlinics	Operation / Policlinics	Operation / Policlinics
12:00-13:00	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK
14:00-16:00	M. Güven, MD Pelvis and acetabular fractures Open fractures and wound treatment	T. Ozler, MD Dislocations and fractures of the lower extremity Fractures of children	F. Altıntaş, MD Basic principles of fractures and fracture healing Osteomyelitis and septic arthritis	T. Beyzadeoğlu, MD Benign and malignant bone tumors	Ç. Uluçay, MD Spinal trauma and fractures Cast and bandaj applications(OSCE)
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 / Policlinics Preop-x ray round	Student presentation Operation / Policlinics Preop-x ray round	Student presentation Operation / Policlinics Preop-x ray round	Student presentation Operation / Policlinics Preop-x ray round	Student presentation Operation / Policlinics Postop x-ray round
9:00-12:00	Operation / Policlinics	Operation / Policlinics	Operation / Policlinics	Operation / Policlinics	Operation / Policlinics
12:00-13:00	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK
14:00-16:00	M. Güven, MD Developmental dysplasia of the hip Perthes disease Slipped capital femoral epiphysis	T. Ozler, MD Metabolic bone diseases Avascular bone necrosis and management in adults	F. Altıntaş, MD Cerebral Palsy Osteoarthritis and arthroplasty	T. Beyzadeoğlu, MD Shoulder and Elbow problems Knee problems in sports medicine and arthroscopy Cartilage biology and injuries	Ç. Uluçay, MD 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

8:00-9:00	Student presentation Operation / Polyclinics Preop-x ray round	Student presentation Operation / Polyclinics Preop-x ray round	Student presentation Operation / Polyclinics Preop-x ray round	Student presentation Operation / Polyclinics Preop-x ray round	
9:00-12:00	Operation / Polyclinics	Operation / Polyclinics	Operation / Polyclinics	Operation / Polyclinics	Written Examination
12:00-13:00	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK
14:00-16:00	M. Güven, MD Congenital anomalies of the lower extremity PEV	T. Ozler, MD Disorders of the Foot and Ankle	Ç. Uluçay, MD Dislocations and fractures of the upper extremity	T. Beyzadeoğlu, MD Microvascular surgery and replantations	Oral Examination
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
&
ERENKÖY NEUROPSYCHIATRY TRAINING AND RESEARCH HOSPITAL

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

Hakan Atalay, MD. Assist. Prof.

Naz Berfu Akbaş, MD. Assist. Prof.

LECTURES

1. Introduction to psychiatry and history of psychiatry
2. Psychiatric ethics and patient-physician relations
3. Psychiatric interview and mental status examination
4. Signs and symptoms in psychiatry
5. Diagnosis and classification of psychiatric disorders
6. Mental disorders due to a general medical condition
7. Schizophrenia and other psychotic disorders
8. Alcohol related disorders
9. Substance abuse and related disorders
10. Mood disorders
11. Anxiety disorders
12. Psychiatric emergencies
13. Somatoform disorders, factitious disorders and simulation
14. Eating and sleep disorders
15. Somatic therapies
16. Dissociative disorders
17. Sexual dysfunctions, paraphilias and gender identity disorders
18. Impulse-control and adjustment disorders
19. Psychopharmacology
20. Forensic psychiatry
21. Consultation-Liaison psychiatry and geriatric psychiatry
22. Psychotherapies
23. Child and adolescent psychiatry
24. Personality disorders

FIRST WEEK					
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
09:00-10:00	Erenköy NTRH - Practice	Erenköy NTRH - Practice	Bağdat Caddesi Plk - Psychological Theories (Hakan Atalay)	Erenköy NTRH - Practice	Erenköy NTRH - Practice
10:00-11:00	Erenköy NTRH - Practice	Practice	Bağdat Caddesi - Psychiatry Dep. Meeting	Erenköy NTRH - Practice	Erenköy NTRH - Practice
11:00-12:00	Erenköy NTRH - Practice	Practice	Bağdat Caddesi - Psychiatry Dep. Meeting	Erenköy NTRH - Practice	Erenköy NTRH - Practice
12:00-14:00					
13:00-14:30	Yeditepe Ün. Hosp. - Introduction to Psychiatry (Hakan Atalay)	Yeditepe Ün. Hosp. - Neuroscience and Psychiatry (Hakan Atalay)	Supervision	Bağdat Caddesi - Psychiatric Interview (Naz B. Akbaş)	Bağdat Caddesi - Delirium and Other Cognitive Disorders (Naz B. Akbaş)
14:30-16:00	Supervision	Supervision	Supervision	Supervision	Supervision

Erenköy NTRH: Erenköy Neuropsychiatry Training and Research Hospital

SECOND WEEK					
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
09:00-10:00	Erenköy NTRH - Practice	Erenköy NTRH - Practice	Bağdat Caddesi Plk - Substance Related Disorders (Naz B. Akbaş)	Erenköy NTRH - Practice	Erenköy NTRH - Practice
10:00-11:00	Erenköy NTRH - Practice	Practice	Bağdat Caddesi - Psychiatry Dep. Meeting	Erenköy NTRH - Practice	Erenköy NTRH - Practice
11:00-12:00	Erenköy NTRH - Practice	Practice	Bağdat Caddesi - Psychiatry Dep. Meeting	Erenköy NTRH - Practice	Erenköy NTRH - Practice
12:00-13:00					
13:00-14:30	Yeditepe Ün. Hosp. - Schizophrenia and Other Psychoses (Hakan Atalay)	Yeditepe Ün. Hosp. - Treatment in Psychiatry (Hakan Atalay)	Supervision	Bağdat Caddesi - Mood Disorders (Naz B. Akbaş)	Bağdat Caddesi - Anxiety Disorders (Naz B. Akbaş)
14:30-16:00	Supervision	Supervision	Supervision	Supervision	Supervision

CHILD AND ADOLESCENT PSYCHIATRY CLERKSHIP
(1 weeks)

YEDİTEPE UNIVERSITY HOSPITAL

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

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**

&

DR. LÜTFİ KIRDAR KARTAL TRAINING AND RESEARCH HOSPITAL

CLERKSHIP	NEUROSURGERY <i>Aim of this clerkship is to;</i>
AIM	<p>1. convey 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</p>
<i>At the end of this term, student should be able to:</i>	
KNOWLEDGE	<p>1. recognize general clinical presentation in neurosurgical patients.</p> <p>2.1. recognize 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>)</p> <p>1. recognize intracranial hypertension and brain herniation syndromes after head trauma</p> <p>3.2. recognize open and closed skull base fractures and cerebrospinal fluid fistulas.</p> <p>4. recognize clinical findings in common brain tumors to refer patients to appropriate centers.</p> <p>5. describe spinal trauma and spinal cord injury in early period and transfer of patient to appropriate center based on knowledge of immobilization status.</p> <p>6. recognize non-traumatic neck, dorsal and low back pain (<i>spinal stenosis, spondylitis, spondylosis, osteoarthritis, spondylolisthesis, intervertebral disc herniations</i>) .</p> <p>7. describe differential diagnosis of metastatic spinal tumors and primary spinal tumors with other spinal disorders.</p> <p>8. define 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>).</p> <p>9. describe early diagnosis of hydrocephalus, craniosynostosis and spinal dysraphism.</p> <p>10. recognize common neurosurgical infections like meningitis, brain abscess, tuberculosis, brucella spondylitis</p> <p>11. describe management of plegic patients to prevent bedsores, encourage mobilization and hygiene.</p>
SKILLS	<p>12.1 do patient history taking</p> <p>12.2. make neurological examination in neurosurgical patients.</p> <p>13.1 perform resuscitation, intravenous catheter placement, wound cleaning and closure in neurosurgical emergencies.</p> <p>13.2 make immobilization, apply corset in spinal trauma and knows how to transfer patient in penetrating head trauma to start early emergent treatment</p> <p>14. plan initial treatment of increased intracranial pressure.</p>

	15. do initial treatment of neurogenic shock, spinal shock and hemorrhagic shock.
	16. do wound cleaning and dress changing in patients with meningocele and meningomyelocele for protection of sac.
	17.1. make advices about protective precautions in degenerative spinal diseases 17.2. start conservative treatment.
ATTITUDES	18. be aware of importance of early treatment in neurosurgical emergencies and referral of patients to appropriate center when necessary 19.1. prefer conservative treatment 19.2. take protective precautions in neurosurgical patients in addition to referring patients to appropriate centers when necessary.
COMPETENCIES	20.1. start emergency and early treatment in neurosurgical emergencies 20.2. organize referral of patients.

Uğur Türe MD. Professor of Neurosurgery,
Yeditepe University Faculty of Medicine
Başar Atalay MD. Professor of Neurosurgery
Yeditepe University Faculty of Medicine
Tufan Hiçdönmez MD. Assoc. Professor of Neurosurgery
Lütfi Kırdar Kartal Training and Research Hospital

Medical Student's Neurosurgery Curriculum Main Topics

1. General Introduction to Neurosurgery: Uğur Türe M.D. Professor of Neurosurgery, Başar Atalay MD Professor of Neurosurgery

Lecture 1: Introduction to Neurosurgery

Lectures 2: Intracranial Hypertension

2. Intracranial Disease Topics: Uğur Türe M.D. Professor of Neurosurgery, Başar Atalay MD Professor of Neurosurgery

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 MD Professor of Neurosurgery

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 MD Professor of Neurosurgery

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

5. Pediatric Neurosurgical Problems: Tufan Hiçdönmez M.D. Associate Professor of Neurosurgery

Lecture 9: Diagnosis and Management of Hydrocephalus and Spinal Dysraphism

6. Functional Neurosurgery: Tufan Hiçdönmez M.D. Associate Professor of Neurosurgery

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 Raund
13.30-15.30	Practice (Neurosurgical ward)
15.30-17.00	Practice (Outpatient clinic)

Tuesday

9.00-10.00	Grand Raund
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 Raund
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 Raund
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 Raund
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 Raund
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 Raund
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 Raund
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. Neurosurgery Clinic
Tufan Hiçdönmez, Assoc. Professor of Neurosurgery**

Monday

8.30-9.00	Grand Raund
10.30-12.00	Lecture
14.00-15.30	Practice (Neurosurgical ward)

Tuesday

8.30-9.00	Grand Raund
10.30-12.00	Lecture
14.00-15.30	Practice (Neurosurgical ward)

Wednesday

8.30-9.00	Grand Raund
10.30-12.00	Lecture
14.00-15.30	Practice (Neurosurgical ward)

Thursday

8.30-9.00	Grand Raund
10.30-12.00	Lecture
14.00-15.30	Practice (Neurosurgical ward)

Friday

8.30-9.00	Grand Raund
10.30-12.00	Lecture
14.00-15.30	Practice (Neurosurgical ward)

Saturday

8.00-12.00	Neurosurgery Written and Oral Examination (Yeditepe University Department of Neurosurgery)
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NEUROLOGY CLERKSHIP
(3 Weeks)
YEDİTEPE UNIVERSITY HOSPITAL
&
TR MINISTRY OF HEALTH İSTANBUL MEDENİYET UNIVERSITY
GÖZTEPE TRAINING AND RESEARCH HOSPITAL

CLERKSHIP	NEUROLOGY <i>Aim of this clerkship is to;</i>
AIM	<ol style="list-style-type: none"> 1. equip students with necessary knowledge, skills and attitudes to recognize pathology, symptomatology and clinical properties of clinical conditions related to neurology, 2. equip students with necessary knowledge, skills and attitudes to initiate neurologic medical treatment in emergency cases, and to refer patients to specialized medical departments
<i>At the end of this term, student should be able to:</i>	
KNOWLEDGE	<ol style="list-style-type: none"> 1. describe 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. explain early interventions in clinical conditions related to neurology 3. explain prognosis of clinical conditions related to neurology 4. recognize drugs which should not be used in neurological diseases
SKILLS	<ol style="list-style-type: none"> 5. take relevant medical history of clinical conditions related to neurology 6. make neurological examination 7. apply examinations to make differential diagnosis (<i>to exclude cardiac and metabolic pathologies</i>) 8. design initial interventions to keep blood pressure in normal limits or to stop drugs in use in stroke patients with hypertension 9. evaluate Glasgow coma scoring of unconscious patients 10. plan and request medical tests to investigate etiology of unconsciousness
ATTITUDES	<ol style="list-style-type: none"> 11. be aware of importance of differentiation of neurological complaints 12. prioritize urgent examinations 13. value early invention 14. support patients with information for protective measures 15. warn patients for drugs which should not be used in neurological diseases
COMPETENCIES	<ol style="list-style-type: none"> 16. start 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. make patient referrals to appropriate specialized medical departments 18. make 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>)

Neurology Department Members;

Berrin Aktekin, MD, Prof.

Burcu Uğurel MD, Assist. Prof.

Education and Research HOSPITAL, Neurology

Clinical Chief Nihal Işık, MD, Neurology Specialist

Lectures:

- 1- Neurological examination
- 2- Coma
- 3- Headache
- 4- Encephalopathies
- 5- Cerebrovascular diseases
- 6- Parkinson and Extrapyramidal system disorders
- 7- Multiple Sclerosis and demyelinating disorders
- 8- Epilepsy
- 9- CNS infections
- 10- Myasthenia Gravis ve Neuromuscular junction disorders
- 11- Muscle diseases
- 12- ALS and motor neuron diseases
- 13- Polyneuropathies
- 14- Dementia
- 15- Sleep disorders
- 16- Spinal Cord Diseases

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	Nihal Işık,MD
14.30-15.20	Lecture Movement Disorders	Nihal Işık,MD
15.30-16.20	Bed Side Teaching	Nihal Işık,MD
16.30-17.20	Bed Side Teaching	Nihal Işık,MD

Tuesday

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

Wednesday

08.00-09.20	Lecture Coma	Nihal Işık,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	Nihal Işık,MD
14.30-15.20	Bed Side Teaching	Nihal Işık,MD
15.30-16.20	Bed Side Teaching	Nihal Işık,MD
16.30-17.20	Bed Side Teaching	Nihal Işık,MD

Thursday

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

Literature

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	Burcu Uğurel,MD
13.30-14.20	Lecture Cerebro -Vascular Diseases	Burcu Uğurel,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	Burcu Uğurel,MD
13.30-14.20	Lecture Motor neuron Disorders	Burcu Uğurel,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	Berrin Aktekin,MD
10.30-11.20	Lecture Encephalopathies	Berrin Aktekin,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
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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	Nihal Işık,MD
14.30-1700	Bed Side Teaching	Nihal Işık,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	Nihal Işık,MD
14.30-1700	Bed Side Teaching	Nihal Işık,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)

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

Ferda ifti, MD Prof.
Demir Bařar, MD Prof.
Belkıs Ilgaz Yalva, MD Prof.
Sinan Tatlıpınar, MD Prof.
řule Ziylan, MD Assoc.Prof.
Raciha Beril Kmen, MD Assoc.Prof.
Canan Aslı Yıldırım (Utine), MD Assist.Prof.
Muhsin Altunsoy , MD Assist.Prof.
Vildan ztrk, MD Assist.Prof.

SUBJECTS

Anatomy and Methods of Examination
Refractive Errors
Lids and Orbit
Tear Film and Lacrymal Apparatus
Conjunctiva and Cornea
Uveal Tract
Dieases of the Lens
Glaucoma
Retinal Vascular Diseases
Macular Degenerations and Retinal Dystrophies
Retinal Detachment
Pediatric Ophthalmology and Strabismus
Neuro –Ophthalmology
Ophthalmological Emergency and Trauma

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THEORETICAL EDUCATION PROGRAM

(2012 - 2013)

WEEK 1	DAY	SUBJECT	LECTURER
	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
WEEK 2	DAY	SUBJECT	LECTURER
	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
WEEK 3	DAY	SUBJECT	LECTURER
	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

CLERKSHIP	OTORHINOLARYNGOLOGY <i>Aim of this clerkship is to;</i>
AIM	<ol style="list-style-type: none"> 1. convey necessary knowledge on historical development of otorhinolaryngology, current and future applications of diagnostic and treatment methods, 2. convey 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>), 3. equip students with knowledge, skills and attitudes required to manage clinical conditions related to otorhinolaryngology at primary care setting
<i>At the end of this term, student should be able to:</i>	
KNOWLEDGE	<ol style="list-style-type: none"> 1. describe external, middle and inner ear diseases 2. explain tinnitus, hearing loss and balance problems 3. explain basics of inner and external implant application and purpose 4. distinguish between benign and malign tumors at basic level in oropharyngeal diseases 5. distinguish between benign and malign tumors at basic level in nasopharyngeal diseases 6. describe diagnosis and medical treatment of paranasal sinus diseases 7. explain interventions to otorhinolaryngological emergencies 8. describe diseases related to adenoid and tonsillary tissue 9. describe diagnosis and treatment of salivary gland diseases 10. explain assessment of laryngeal diseases at basic level 11. distinguish between benign and malign laryngeal diseases 12. explain basics of temporomandibular joint diseases 13. explain basics of maxillofacial traumas and ortognatic surgery 14. outline basics of genetic disorders related to otorhinolaryngology 15. describe interpretation of audiological and early screening tests at basic level 16. describe acustic and psychoacustic assessments 17. outline diseases related to smelling and tasting 18. describe stomatological diseases 19. explain basics of conventional hearing devices and their indications for use 20. describe basics and medical treatment of laryngopharyngeal reflux 21. describe sleep apnea and snoring problem and surgical treatment of those diseases 22. describe swallowing disorders 23. tell surgical techniques of incision in tracheostomy, tracheotomy, coniotomy 24. describe voice and speech disorders and treatments of those diseases 25. tell basics of head-neck tumors and skull base diseases
SKILLS	<ol style="list-style-type: none"> 26. make rhinolaryngological examination 27. use laryngoscope and otoscope 28. design medical treatments in ear, nose and throat infections

COMPETENCIES	29.1 do diagnosis of ear, nose and throat diseases, 29.2 transfer patient to specialized center upon indication
	30.1. prepare nasal packages, 30.2. remove foreign body from ear and nose in emergency situations

Yavuz Selim Pata, MD Prof.
Müzeyyen Doğan, MD Assist. Prof.
Educational Audiologist Ayşenur Küçük Ceyhan
Emre Türkmen, Assist. MD.

Name of the lesson: SALIVARY GLAND DISEASES

Lecturer: Müzeyyen Doğan MD Assist. 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 hours

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: HERING 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: Yavuz Selim Pata MD. Prof.

Duration: 2 hours

Name of the lesson: RHINITIS AND SINUSITIS

Lecturer: Yavuz Selim Pata MD. Prof.

Duration: 2 hours

Name of the lesson: ANATOMY AND PHYSIOLOGY OF THE EAR

Lecturer: Müzeyyen Doğan MD Assist. Prof.

Duration: 1 hour

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

Lecturer: Müzeyyen Doğan MD Assist. Prof.

Duration: 2 hours

Name of the lesson: LYMPH NODES PATHOLOGIES AND NECK MASSES

Lecturer: Yavuz Selim Pata MD Prof.

Duration: 1 hour

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

Lecturer: Yavuz Selim Pata MD Prof.

Duration: 1 hour

Name of the lesson: ENT EMERGENCIES

Lecturer: Yavuz Selim Pata MD Prof.

Duration: 2 hours

	PLACE	TIME	TYPE OF EDUCATION	DURATION	LECTURER	SUBJECT
MONDAY	HOSPITAL	09:00-10:00	lecture	1 HOUR	Yavuz Selim Pata,MD Prof.	ANATOMY AND PHYSIOLOGY OF THE EAR Clinical practise Clinical practise Clinical practise
	HOSPITAL	10:00-11:00	lecture	1 HOUR	Assist. Prof. Müzeyyen Doğan	
		11:00-12:00	practise			
		13:00-14:00 14:00-15:00	practise Practise			
TUESDAY	HOSPITAL	09:00-11:00	lecture	2 HOURS	Yavuz Selim Pata,MD Prof	ACUTE AND CHRONIC OTITIS MEDIA Clinical practise Clinical practise Clinical practise
		11:00-12:00	Practise			
		13:00-14:00 14:00-15:00	Practise Practise			
WEDNSDAY	HOSPITAL	09:00-11:00	Lecture	2 HOURS	Assist. Prof. Müzeyyen Doğan	HEARING LOSS Clinical practise Clinical practise Clinical practise
		11:00-12:00	Practise			
		13:00-14:00 14:00-15:00	Practise Practise			
THURSDAY	Bagdat Outpatient Clinic	09:00-11:00	Lecture	2 HOURS	Assist. Prof. Müzeyyen Doğan	VERTIGO AND TINNITUS Clinical practise Clinical practise Clinical practise
		11:00-12:00	Practise			
		13:00-14:00 14:00-15:00	Practise Practise			
FRIDAY	HOSPITAL	09:00-11:00	Lecture	2 HOURS	Assist. Prof. Müzeyyen Doğan	DISEASES OF THE ORAL CAVITY AND OROPHARYNX Clinical practise Clinical practise Clinical practise
		11:00-12:00	Practise			
		13:00-14:00 14:00-15:00	Practise Practise			

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MONDAY	HOSPITAL	09:00-11:00	Lecture	2 HOURS	Yavuz Selim Pata,MD Prof.	RHINITIS AND SINUSITIS Clinical practise Clinical practise Clinical practise
		11:00-12:00	Practise			
		13:00-14:00	Practise			
		14:00-15:00	Practise			
TUESDAY	HOSPITAL	09:00-10:00	Lecture	1 HOUR	Yavuz Selim Pata,MD Prof.	LYMPH NODES PATHOLOGIES AND NECK MASSES
	HOSPITAL	10:00-11:00	Lecture Practise Practise Practise	1 HOUR	Yavuz Selim Pata,MD Prof.	SLEEP APNEA, SNORING AND THEIR TREATMENTS Clinical practise Clinical practise Clinical practise
WEDNSDAY	HOSPITAL	09:00-10:00	Lecture	1 HOUR	Assist. Prof. Müzeyyen Doğan	ANATOMY AND PHYSIOLOGY OF THE LARYNX Clinical practise Clinical practise Clinical practise
		11:00-12:00				
		13:00-14:00				
	HOSPITAL	10:00-11:00	Lecture	2 HOURS	Assist. Prof. Müzeyyen Doğan	MALIGNANT TUMORS OF THE LARYNX Clinical practise Clinical practise Clinical practise
THURSDAY	Bagdat Outpatient Clinic	09:00-11:00	Lecture	2 HOURS	Educational Audiologist Ayşenur Küçük Ceyhan	ESSENTIAL OF AUDIOLOGY Clinical practise Clinical practise Clinical practise
		11:00-12:00	Practise			
		13:00-14:00	Practise			
		14:00-15:00	Practise			
FRIDAY	HOSPITAL	09:00-10:00	Lecture	1 HOUR	Assist. Prof. Müzeyyen Doğan	SALIVARY GLAND DISEASES Clinical practise Clinical practise Clinical practise
		11:00-12:00	Practise			
		13:00-14:00	Practise			
		14:00-15:00	Practise			

MONDAY	HOSPITAL	09:00-11:00	Lecture	2 HOURS	Yavuz Selim Pata,MD Prof.	ENT EMERGENCIES
		11:00-12:00	Practise			Clinical practise
		13:00-14:00	Practise			Clinical practise
		14:00-15:00	Practise			Clinical practise
TUESDAY	HOSPITAL	09:00-10:00	Practise		Yavuz Selim Pata,MD Prof.	
		10:00-11:00	Practise			
		11:00-12:00	Practise			
		13:00-14:00	Practise			
WEDNSDAY	HOSPITAL	09:00-11:00	Lecture	2 HOURS	Assist. Prof. Müzeyyen Doğan	CONGENITAL LARYNGEAL AND VOICE DISORDERS
		11:00-12:00	Practise			Clinical practise
		13:00-14:00	Practise			Clinical practise
		14:00-15:00	Practise			Clinical practise
THURSDAY	HOSPITAL	09:00-10:00	Practise		Assist. Prof. Müzeyyen Doğan	
		10:00-11:00	Practise			
		11:00-12:00	Practise			
		13:00-14:00	Practise			
FRIDAY	HOSPITAL		examination	1 HOUR		

DERMATOLOGY CLERKSHIP
(3 weeks)
YEDİTEPE UNIVERSITY HOSPITAL

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

M. Oktay Taşkapan , MD Prof.

Özlem Akın , MD Assist. Prof.

Asuman Cömert Erkılınç, MD Assist. Prof.

		Asist. Prof. Asuman Cömert Erkılınç	Asist. Prof. Özlem Akın	Prof. M. Oktay Taşkapan
1. Week	Monday	HOSPITAL	HOSPITAL	Bağdat P.
		09:00-12:00 Practice	09:00-12:00 Practice	09:00-12:00 Practice
		HOSPITAL	HOSPITAL	HOSPITAL
		-	-	14:30-15:20 Basic structure & functions of the skin 15:30-17:30 Principles of dermatologic diagnosis
	Tuesday	Bağdat P.	HOSPITAL	Bağdat P.
		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	HOSPITAL	Bağdat P.	HOSPITAL
		09:00-10:50 Treatment modalities in dermatology 11:00-11:50 Behçet's Disease		
		-	-	14:00-16:00 Dermatitis
	Thursday	-	-	-
Friday	Bağdat P.	HOSPITAL	Bağdat P.	
	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	HOSPITAL	HOSPITAL	HOSPITAL
		09:00-10:50 Acne and acneiform dermatoses 11:00-12:00 Alopecia (1)		15:00-17:00 Urticaria and angioedema
	Tuesday	Bağdat P.	HOSPITAL	Bağdat P.
		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	HOSPITAL	Bağdat P.	HOSPITAL
		09:00-09:50 Alopecia (2) 10:00-12:00 Papulosquamous skin disorders	-	14:00-16:00 Connective tissue diseases and vasculitis
	Thursday	-	-	-
	Friday	Bağdat .	HOSPITAL	Bağdat P.
		09:00-09:50 Melanoma 10:00-12:00 Chronic autoimmune		

		13:00-17:00 Practice	blistering dermatoses 13:00-17:00 Practice	13:00-17:00 Practice
3. Week	Monday	HOSPITAL	HOSPITAL	Bağdat P.
		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	Bağdat P.	HOSPITAL	Bağdat P.
		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	HOSPITAL	Bağdat P.	HOSPITAL
		09:00-09:50 Vitiligo 10:00-12:00 Sexually transmitted diseases		14:00-16:00 Adverse cutaneous reactions to the drugs
	Thursday	-	-	-
Friday	09:00-12:00 Examination			

**PHYSICAL MEDICINE AND REHABILITATION CLERKSHIP
(2 weeks)**

YEDİTEPE UNIVERSITY HOSPITAL

CLERKSHIP	PHYSICAL MEDICINE and REHABILITATION <i>Aim of this clerkship is to;</i>
AIM	<ol style="list-style-type: none"> 1. convey necessary knowledge on pathology, symptomatology, clinical findings and treatment of musculoskeletal system diseases, 2. equip students with basic knowledge, skills and attitudes on rehabilitation medicine, 3. equip students with general approach to patients with physical disabilities.
<i>At the end of this term, student should be able to:</i>	
KNOWLEDGE	<ol style="list-style-type: none"> 1.1. explain etiopathogenesis of degenerative joint diseases, 1.2. describe general treatment approaches 2.1. explain etiopathogenesis of inflammatory joint diseases, 2.2. describe general treatment approaches 3. explain etiopathogenesis of osteoporosis and metabolic bone disease, osteoporosis risk factors, prevention and treatment of osteoporosis 4. explain pathophysiology of pain, pain assessment, and medical treatment or physiotherapy of different types of pain. 5. describe approach to patients with physical disabilities, 6. classify etiology and principles of general rehabilitation of stroke and other neurologic disorders. 7.1. discriminate early and late period complications of spinal cord injuries, 7.2. describe treatment 8. evaluate radiology of spine and joints in musculoskeletal system diseases. 9. describe physical therapy agents used in rehabilitation and their indications and contraindications. 10.1. describe symptoms and signs of peripheral nerve injuries, polyneuropathies, 10.2. explain rehabilitation principles of peripheral nerve injuries and treatment approaches.
SKILLS	<ol style="list-style-type: none"> 11.1. perform relevant history taking from patient with musculoskeletal system disorder 11.2. do musculoskeletal system and neurologic examination 12.1. evaluate muscle strength and spasticity, 12.2. do detailed neurologic examination in patients with stroke and spinal cord injury. 13.1. handle patient immobilization regarding complications, 13.2. give correct bed position, 13.3. follow up decubitus, 13.4. apply range of motion exercises.
ATTITUDES	<ol style="list-style-type: none"> 14. prioritize conservative treatments and preventions in patients with musculoskeletal system disease,

	15. have good relationship with patients and patient's companions
	16.value importance of quality of life
COMPETENCIES	17. do differential diagnosis in degenerative joint diseases,
	18. do differential diagnosis in inflammatory joint diseases,
	19. do differential diagnosis and treatment of cervical and upper extremity, back and lower extremity pain
	20.request correct laboratory and radiological examinations
	21.arrange exercise types, kind of exercise given according to patient's diagnosis,
	22. refer patient to convenient centers when necessary

Ece Aydoğ, MD Prof.

Duygu Geler Külcü, MD Assoc. Prof.

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 spesific joints
11. Radiologic evaluation of musculoskeletal system diseases
12. Therapeutic exercises
13. The pathophysiology of pain, treatqment and classification
14. Cervical and upper extremity pain
15. Rehabilitation of neurologic disorders
16. Spinal cord diseases

17. FIRST WEEK

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
09:00-10:45	Musculoskeletal (locomotor) system symptom and signs D. G. Külcü, MD	Seronegative spondyloarthropathies E. Aydoğ, MD	Differential diagnosis and treatment of lowback and lower extremity pain E. Aydoğ, MD	Diagnosis and treatment of servical and upper extremity pain D. G. Külcü, MD	Seminar Rehabilitation of Neurologic Diseases D. G. Külcü, MD
11:00-12:15	Musculoskeletal (locomotor) system examination D. G. Külcü, MD	Degenerative Arthritis E. Aydoğ, MD	Physical medicine agents And ortosis and prothetics in rehabilitation E. Aydoğ, MD	Radiologic evaluation of musculoskeletal disorders D. G. Külcü, MD	Diseases of spine and spinal cord D. G. Külcü, MD
13:30-16:30	Clinical practice	Clinical practice	Clinical practice	Clinical practice	Clinical practice

SECOND WEEK

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
09:00-10:45	Pain pathophysiology Classification and treatment D. G. Külcü MD	Osteoporosis and metabolic bone diseases E. Aydoğ MD	Periferic nerve diseases E. Aydoğ MD	Clinical practice	Exam
11:00-12:15	Therapeutic exercises D. G. Külcü MD	Drug use in musculoskeletal system disorders E. Aydoğ MD	Enflamatory joint diseases E. Aydoğ MD		
13:30-16:30	Clinical practice	Clinical practice	Clinical practice	Clinical practice	

RADIOLOGY CLERKSHIP
(2 weeks)
YEDİTEPE UNIVERSITY MEDICAL FACULTY
&
İSTANBUL MEDENİYET UNIVERSITY GÖZTEPE TRAINING AND RESEARCH
HOSPITAL

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

A. Lectures

Week 1:

- Monday: No lectures
Tuesday: Introduction to Radiology. (9:00-9:40, 10:00-10:40)
Wednesday: Radiology of the Musculoskeletal System. (10:00-10:40, 11:00-11:40)
Thursday: Radiology of the Pediatrics. (9:00-9:40,10:00-10:40)
Radiology of the Vascular System. (13:00-14:40)
Friday: Radiology of the Gastrointestinal System. (10:00-10:40, 11:00-11:40)

Week 2:

- Monday: Neuroradiology. (10:00-10:40, 11:00-11:40)
Tuesday: Radiology of the Thorax.(9:00-9:40,10:00-10:40)
Conventional Radiology of the Cranium, Thorax, and Spine. (13:00-14:40)
Wednesday: Radiology of Obstetrics and Gynecology. (10:00-10:40, 11:00-11:40)
Thursday: Radiology of the Urogenital System. Dr. İhsan Kuru
(9:00-9:40,10:00-10:40)
Friday: Radiology Exam (9:30)

B. Practice

Week 1:

- Monday: Introduction to Modalities in Radiology. Dr.Ihsan Kuru (900-1200), Assoc.Prof. Dr. Alper Hayirlioglu (1300-1600)
- Tuesday: Practising MRI. Assoc.Prof. Dr. Alper Hayirlioglu (1300-1600)
- Wednesday: Practising Doppler USG. Dr. Senem Senturk (1300-1600)
- Thursday: Practising Radiology of the Pediatrics. Dr.Tunahan Ayaz (1300-1600)
Practising Radiology of the Breast. Dr. Basak Atalay (1100-1300,1500-1600)
- Friday: Practising Interventional Radiology. Dr.Ihsan Kuru (1300-1600)

Week 2:

- Monday: Practising USG Dr. Begumhan Baysal. (1300-1600)
- Tuesday: Practising CT. Dr. Canan Cimsit. (1300-1600)
Practising Conventional Radiology. Dr. Hayri Abanonu (1100-1300, 1500-1600)
- Wednesday: Practising Obstetrics USG. Assoc.Prof. Dr. Alper Hayirlioglu (1300-1600)
- Thursday: Practising TV USG. Dr.Ihsan Kuru (1300-1600)
- Friday: Radiology Exam (900-1000)

NUCLEAR MEDICINE CLERKSHIP
(1 week)

YEDİTEPE UNIVERSITY HOSPITAL

CLERKSHIP	NUCLEAR MEDICINE <i>Aim of this clerkship is to;</i>
AIM	1. convey 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. describe PET/CT for status follow-up of patients
	2. describe diagnostic imaging of infection or tumor
	3. describe radionuclide therapy and its application areas
	4. describe physics of nuclear medicine and methods of projection
	5. describe gamma probe and its application method
	6. describe scintigraphy reading techniques
SKILLS	7. prepare radiopharmaceuticals
	8. do radiopharmaceutical injections to patients
	9. make examination of thyroid gland
	10.1 use monitor, 10.2 show imaging of patient on monitor
	11. differentiate normal, pathological and phantoms of images

Nalan Alan Selcuk,MD, Assist. Prof.

Türkay Toklu, M.Sc.

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 thyroid carcinoma
6. Bone scintigraphy
7. İnfection imaging
8. Dynamic and static renal scan
9. Brain scintigraphy
10. Myocardial perfusion scan
11. Hepatobiliary scan
12. FDG PET in oncology, cardiology and neurology
13. Radionuclide Therapy

NUCLEAR MEDICINE (FIRST WEEK) EDUCATIONAL PROGRAM

1. Day

<u>TIME</u>	<u>SUBJECT</u>
09.00-10.30	Basic radiation physics and radiation detectors used in Nuclear Medicine
10.45-11.30	Practice: Radiation detectors, hotlab
11.30-12.00	Introduction to Nuclear Medicine
13.00-13.30	Practice: Radiopharmaceuticals, Gamma Camera, PET/CT, Thyroid Uptake System
13.45-14.30	Radiation safety and effects of radiation
14.45-15.30	Brain Imaging and neurologic PET Application
15.45-16.30	Bone scintigraphy and other tumor agents

2. Day

09.00-10.00	Thyroid and parathyroid Scintigraphy
11.00-11.30	Nuclear Medicine in Thyroid Cancer
11.30-12.00	Practice: Thyroid
13.00-13.45	FDG-PET in lung cancer
14.00-14.45	FDG-PET in breast cancer
15.00-16.30	Practice: PET imaging

3. Day

09.00-10.00	Myocardial perfusion scan (MPS): Indications, techniques
10.15-11.00	Practice: MPS
11.15-12.00	Cardiologic PET Application
13.00-14.00	Lung perfusion and ventilation scintigraphy (V/Q scan)
14.15-15.30	Hepatobiliary scan and GIS Bleeding Scan
15.40-16.30	Practice: Lung and GIS system imaging

4. Day

09.00-09.45	Dynamic and static renal scintigraphy
10.00-10.45	Captopril Renography and Transplant Scan
11.00-12.00	Practice: Renal scintigraphy
13.00-13.45	Radionuclide Therapy
14.00-14.45	FDG-PET in lymphoma
15.00-16.30	Practice: Radionuclide therapy

5. Day

09.00-09.45	Infection Imaging part 1: FDG-PET,
10.00-10.45	Infection Imaging part 2: Leucocyte and Gallium 67 Scintigraphies
11.00-12.00	Practice : infection imaging
15.00-16.00	Practice: the overall review process
16.00-17.00	EXAM

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

Alpaslan Mayadađlı, 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.

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

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

ANESTHESIOLOGY AND REANIMATION CLERKSHIP
(2 weeks)
YEDİTEPE UNIVERSITY HOSPITAL

CLERKSHIP	ANESTHESIOLOGY AND REANIMATION <i>Aim of this clerkship is to;</i>
AIM	1. convey necessary knowledge on anesthesia and anesthesia methods, pharmacologic properties of anesthetic agents and their clinical practice. 2. equip students with skills and attitudes required to manage patients in intensive care unit.
<i>At the end of this term, student should be able to:</i>	
KNOWLEDGE	1. define anesthesia and explain theory of anesthesia.
	2. define anesthetic agents and their pharmacologic properties.
	3. describe anesthesia methods and practices.
	4. evaluate anatomy of airway
	5. list airway management equipment
SKILLS	6. use transport ventilator
	7. manage airway (<i>face mask ventilation, mayo tube -guide airway- insertion, laryngeal mask airway insertion</i>).
	8. do endotracheal intubation on proper patient or on training model.
	9. perform cardiopulmonary resuscitation.
	10. practice hemodynamic monitoring
	11. analyze hemodynamic monitoring.
ATTITUDES	12. be prepared for cardiopulmonary resuscitation process
	13. follow clinical reflections of anesthetic drugs
	14. analyze which situations and patients require intensive care unit.
	15. hold confidentiality of patients
COMPETENCIES	16. practice basic life support

Sibel Temür, MD Prof.

Özge Köner, MD Prof.

Ferdi Menda, MD Assoc.Prof.

Özgül Keskin, MD Assist. Prof.

Sevgi Bilgen, MD Assist. Prof.

Nurcan Sancar, MD, Instructor, Specialist of Anesthesiology

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. Oxygen transport and hypoxia treatment Sevgi Bilgen, MD Assist. Prof.

1.15. Thermoregulation (hypo/hyperthermia) Özgül Keskin, MD Assist. Prof.

1.16. Blood transfusion and complications Ferdi Menda, MD Assoc. Prof.

1.17. Anesthesia for the head trauma patient Özgül Keskin, MD Assist. Prof.

1.18. Drowning and near drowning Özgül Keskin, MD Assist. Prof.

2012 - 2013

ANESTHESIOLOGY AND REANIMATION (2 WEEKS)

FIRST WEEK

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

SECOND WEEK

TIME	Monday	Tuesday	Wednesday	Thursday	Friday
08.00-12.30	Practice	Practice	Practice	Practice	Practice
14.00-14.50	Acute respiratory insufficiency	Anaphylaxis	Anesthesia for the head trauma patient	Intoxications	EXAM
15.00-15.50	Oxygen transport and hypoxia treatment	Blood transfusion and complications	Thermoregulation	Drowning and near drowning	

UROLOGY CLERKSHIP
(2 weeks)
YEDİTEPE UNIVERSITY HOSPITAL

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

Faruk Yencilek, MD Assoc Prof.

Hakan Koyuncu, MD Assist Prof.

Radiology of the Genitourinary Tract	Faruk Yencilek
Instrumentation and Endoscopic Studies	Faruk Yencilek
Prostate Cancer	Faruk Yencilek
Renal Neoplasms	Faruk Yencilek
Urinary Stone Disease	Faruk Yencilek
Scrotal and Related Diseases	Faruk Yencilek
Tumors of Testis	Faruk Yencilek
Urothelial Tumors	Faruk Yencilek
Congenital Diseases of Kidney	Faruk Yencilek
Symptoms of the Disorders of the Genitourinary Tract	Hakan Koyuncu
Urologic Diseases Which Need Early Diagnosis	Hakan Koyuncu
Urological Emergencies	Hakan Koyuncu
Benign Prostatic Hyperplasia	Hakan Koyuncu
Prostatic Diseases-Prostatitis	Hakan Koyuncu
Male Sexual Dysfunctions	Hakan Koyuncu
Male Infertility	Hakan Koyuncu
Urinary Obstruction&Stasis	Hakan Koyuncu
Urogenital Trauma	Hakan Koyuncu
Congenital Diseases of Bladder	Hakan Koyuncu

**INFECTIOUS DISEASE AND CLINICAL MICROBIOLOGY CLERKSHIP
(2 WEEKS)
YEDİTEPE UNIVERSITY HOSPITAL
&
HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL**

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

Meral Sönmezoğlu, MD Assoc Prof.

Gülden Çelik, MD Prof

Yeşim Gürol, MD Assoc Prof.

Çağatay Acuner, MD Assist Prof.

YEDİTEPE UNIVERSITY HOSPITAL
DEPARTMENT OF INFECTIOUS DISEASES AND CLINICAL MICROBIOLOGY
2012-2013

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 exantheams	Meral Sönmezoğlu
	08.30-12.00	Haydarpaşa Numune	Practice (hospital visits)
Wednesday	13.00-13.50	Sterilization, disinfection and antisepti	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)
&
TR İSTANBUL MEDENİYET UNIVERSITY
GÖZTEPE TRAINING AND RESEARCH HOSPITAL

CLERKSHIP	PEDIATRIC SURGERY <i>Aim of this clerkship is to;</i>
AIM	<ol style="list-style-type: none"> 1. convey necessary knowledge on recognition, natural history, general and specific treatment of those pediatric surgical conditions frequently encountered in general medical practice in a community lacking immediate availability to pediatric surgeon 2. convey necessary knowledge on pathophysiology of pediatric surgical conditions, and response of a child to surgery and trauma. 3. convey necessary knowledge on legal and ethical issues in diagnostic and therapeutic interventions 4. equip students with multidisciplinary approach in diagnosis and treatment of pediatric surgery cases. 5. equip students with updated data and development of knowledge by aid of written seminars.
<i>At the end of this term, student should be able to:</i>	
KNOWLEDGE	<ol style="list-style-type: none"> 1. describe "acute abdomen" in children (<i>acute appendicitis, acute gastroenteritis, bowel obstruction, intussusception, malrotation and volvulus etc.</i>) 2. describe hernias and common surgical problems of inguinal region. 3. define rectal bleeding (<i>fissure-in-ano, juvenile polyp, Meckel's diverticulum, medical conditions that may cause rectal bleeding</i>), common anorectal problems, and constipation in children. 4. recognize non-bilious and bilious vomiting in children (<i>pyloric stenosis, gastroesophageal reflux and intestinal obstructions</i>) abdominal mass and solid tumors in childhood -<i>Wilms tumor, neuroblastoma, etc-</i> and common neonatal surgical conditions (<i>neonatal intestinal obstruction, gastroschisis, necrotizing enterocolitis, imperforate anus, abdominal masses</i>). 5.1 define trauma, 5.2 explain general approach to multiply injured child 6. describe prenatal diagnosed diseases related to pediatric general and urological conditions and common pediatric urological conditions. 7. define surgical aspects in urinary tract infections in childhood and congenital anomalies of genitourinary tract in addition to surgical fluid and electrolyte hemostasis.
SKILLS	<ol style="list-style-type: none"> 8. perform relevant patient history taking. 9. perform acceptable physical exam concentrating on relevant areas. 10. make appropriate differential diagnosis 11. perform nasogastric intubation in patients

ATTITUDES

12. *organize* referral and transfer of patients to appropriate centers when necessary

Hamit Okur, MD Prof. (CC)

Selami Sözübir, MD Prof. (CC)

Çiğdem Ulukaya-Durakbaşı, MD Assoc. Prof.

Murat Mutuş, MD

Meltem Çağlar, MD

Mevlit Korkmaz, MD

Şafak Karaçay, MD

Aytekin Kaymakçı, MD

**PEDIATRIC SURGERY
PHASE V PROGRAMME**

1st Week

Monday

08.00-10.00	Grand Round and Practice
10.15-11.00	Lecture (Child and Surgery) Selami Sözübir
11.15-12.00	Lecture (Fluid and electrolyte balance in pediatric surgery) Çiğdem Ulukaya Durakbaşa

13.15-14.00	Lecture (Head and Neck Masses in childhood) Meltem Çağlar
14.15-15.00	Lecture (Thoracal and chest wall abnormalities) Mevlit Korkmaz
15.15-16.00	Practice and ward round-

Tuesday

08.00-08.45	Ward round and practice
9.00-09.45	Lecture (Congenital Diaphragmatic hernia and evantration) Meltem Çağlar
10.00-10.15	Lecture (Acute appendicitis and differential diagnosis) Aytekin Kaymakcı
11.15-12.00	Interactive Case Studies (Newborn with Bilious Vomitting) Çiğdem Ulukaya Durakbaşa

13.15-14.00	Lecture (The Newborn as a Surgical Patient) Şafak Karaçay
14.15-15.00	Interactive Case Studies (Surgical Respiratory Distress in Children) Şafak Karaçay
15.15-16.00	Practice and ward round

Wednesday

08.00-08.45	Practice and ward round
09.00-12.00	Practice Group A – Outpatients clinic / Group B – Operation Room-

13.15-14.00	Interactive Case Studies (child with urinary obstruction) Hamit Okur
14.15-15.00	Lecture (Hirschprung Disease and Constipation) Hamit Okur
15.15-16.00	Practice (Circumcision) Aytekin Kaymakcı

Thursday

08.000-08.45	Practice and ward round
9.00-10.00	Practice (Acute abdomen in children) Mevlit Korkmaz
10.15-11.00	Lecture (Inguinal and Scrotal Pathologies in Childhood I) Hamit Okur
	Lecture (Inguinal and Scrotal Pathologies in Childhood II) Hamit Okur
11.15-12.00	Lecture (Anorectal Malformations) Hamit Okur

13.15-14.00	Lecture (Abdominal Wall Defects and Umbilical Pathologies) Selami Sözübir
14.15-15.00	Lecture (GI bleeding in Childhood) Selami Sözübir
15.15-16.00	Interactive Case Studies (child with inguinal mass) Selami Sözübir

Friday

08.00-08.45	Ward round and Practice
9.00-10.00	Lecture (Trauma in Children) Aytekin Kaymakcı
10.15-11.00	Practice (Pediatric trauma) Çiğdem Ulukaya Durakbaşa
11.15-12.00	Lecture (Nonbilious vomiting in children) Çiğdem Ulukaya Durakbaşa

13.15-14.00	Lecture (GI atresias and Meconium Ileus) Çiğdem Ulukaya Durakbaşa
14.15-15.00	Interactive case studies (Child with abdominal mass) Murat Mutuş
15.15-16.00	Practice and ward round-

2nd Week

Monday

08.00-08.45	Ward round and Practice
9.00-10.00	Lecture (Solid tumors in childhood) Mevlit Korkmaz
10.15-11.00	Practice (Constipation and encopresis) Meltem Çağlar
11.15-12.00	Lecture (Voiding dysfunction and urinary incontinence) Murat Mutuş

13.15-14.00	Lecture (Biliary atresia and Obstructive Jaundice) Murat Mutuş
14.15-15.00	Lecture (Esophageal Atresia) Murat Mutuş
15.15-16.00	Practice and ward round

Tuesday

08.00-08.45	Prctice and ward round-
09.00-12.00	Practice-Group B – Oupatients clinic- / Group A – Operation Room –

13.15-14.00	Lecture (Obstructive Urological Pathologies) Selami Sözübir
14.15-15.00	Lecture (Non Obstructive Urological Pathologies and Hypospadias) Selami Sözübir
15.15-16.00	Lecture (Prenatal Diagnosis in Pediatric Surgery and Urology) Şafak Karaçay

Wednesday

08.00-08.45	Ward round and Practice
9.00-10.00	Grand Round and Practice Selami Sözübir
10.15-11.00	Seminars of students (Group I) Aytekin Kaymakcı
11.15-12.00	Seminars of students (Group II) Mevlit Korkmaz
13.15-15.00	Practice -Group A – Outpatients clinic- / Group B – Operation Room-
15.15-16.00	Practice and ward round-

Thursday

08.00-08.45	Ward round and Practice
09.00-10.00	Practice (Urinary incontinence and Urodynamic evaluation) Murat Mutuş
10.15-11.00	Interactive case studies – (Abdominal pain) Meltem Çağlar
11.15-12.00	Practice and ward round-
13.15-15.00	Practice Group B – Outpatients clinic- / Group A – Operation Room-

Friday

9.00-10.00	Theoretical Examination
10.00- 11.00	Evaluation of Results
11.00-13.00	Practical Examination

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

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

Ece Genç, PhD. Prof.

Serdar Alpan, MD. Prof.

Zafer Gören, MD. Prof.

DAY	TOPIC
MONDAY/THURSDAY*	
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
TUESDAY / FRIDAY*	
9:00 – 12:00	Student presentations of antihypertensive drugs
12:00 – 13:00	LUNCH BREAK
13:00 – 15:00	Personal drugs for hypertension 1
WEDNESDAY / MONDAY*	
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
THURSDAY / TUESDAY*	
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
FRIDAY / WEDNESDAY*	
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

DAY	TOPIC
MONDAY / THURSDAY*	
9:00 – 12:00	Antimicrobials for sinusitis
12:00 – 13:00	LUNCH BREAK
13:00 – 16:00	Determination of P-drugs for sinusitis 1
TUESDAY	
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
WEDNESDAY / FRIDAY *	
9:00 – 12:00	OSCE examination
12:00 – 13:00	LUNCH BREAK
13:00 – 16:00	Evaluation of the rational drug therapy clerkship

*2nd Group

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

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

Oğuz Polat, MD Prof.

M. Ercüment Aksoy, MD Prof.

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.

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