YEDİTEPE ÜNİVERSİTESİ

TIP FAKÜLTESİ

DÖNEM V

DERS PROGRAMI

2008 - 2009

Dekan Mesajı

Segili Öğrenciler,

Tıp öğreniminin 5. yılına başlayacağınz bu yılın özelliği klinik öğrenimin ağırlıklı olmasıdır. Önceki yıllarda kazandığınız teorik bilgiler ve pratik deneyimlerle bu yıl size vermeyeme çalışacağımız dersleri daha kolay anlamanızı ve pratikte kullanmanızı sağlayacaktır.Teorik derslere ve pratiklere severek ve özenle devam etmeniz,konulara uyum sağlayarak hekimlik mesleğine ilginizi ve sevginizi daha da pekiştirmek için şarttır. İlgi duyduğunuz, merak ettiğiniz bütün konuları ve öğrenimle ilgili sorunlarınızı öğretim üyelerine, yönetimde görev alan hocalarınıza çekinmeden sorabilirsiniz.
Fakültemizde eğitim gören öğrencilerimizin, ülkemizin şartlarına uygun dünya standartlarında birer hekim olarak yetiştirilmesi en önemli amacımızdır.
2008-2009 öğretim yılında hepinize başarı ve mutluluklardiliyorum.

TIME OF THE COURSES	Group1 (7 Students)	Group2 (8 Students)	Group3 (8 Students)	Group4 (9 Students)	Group5 (6 Students)	Group6 (9 Students)
01-19 September 2008 (3 weeks)	ORTHOPAEDICS & TRAUMATOLOGY Y.U.F.M.	UROLOGY K.L.K.	ENT K.L.K.	OPHTHALMOLOGY Y.U.F.M.	NEUROLOGY H.N.H.	NEUROSURGERY H.N.H.
September 22 - October 10 2008 (3 weeks)	NEUROSURGERY H.N.H.	ORTHOPAEDICS & TRAUMATOLOGY Y.U.F.M.	UROLOGY K.L.K.	ENT K.L.K.	OPHTHALMOLOGY Y.U.F.M.	NEUROLOGY H.N.H.
13-31 October 2008 (3 weeks)	NEUROLOGY H.N.H.	NEUROSURGERY H.N.H.	ORTHOPAEDICS & TRAUMATOLOGY Y.U.F.M.	UROLOGY K.L.K.	ENT K.L.K.	OPHTHALMOLOGY Y.U.F.M.
03-21 November 2008 (3 weeks)	OPHTHALMOLOGY Y.U.F.M.	NEUROLOGY H.N.H.	NEUROSURGERY H.N.H.	ORTHOPAEDICS & TRAUMATOLOGY Y.U.F.M.	UROLOGY K.L.K.	ENT K.L.K.
November 24-December 15 2008 (3 weeks)	ENT K.L.K.	OPHTHALMOLOGY Y.U.F.M.	NEUROLOGY H.N.H.	NEUROSURGERY H.N.H.	ORTHOPAEDICS & TRAUMATOLOGY Y.U.F.M.	UROLOGY K.L.K.
December 15 2008-January 02 2009 (3 weeks)	UROLOGY K.L.K.	ENT K.L.K.	OPHTHALMOLOGY Y.U.F.M.	NEUROLOGY H.N.H.	NEUROSURGERY H.N.H.	ORTHOPAEDICS & TRAUMATOLOGY Y.U.F.M.

*HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL (HNH)
*YEDITEPE UNIVERSITY FACULTY OF MEDICINE (YUFM)
* GÖZTEPE SSK TRAINING AND RESEARCH HOSPITAL(GEAH)
*MD.LÜTFİ KIRDAR KARTAL TRAINING AND RESEARCH HOSPITAL(KLK)

TIME	GRUP 1	GRUP 2	Group3	Group4	Group5	Group6	GRUP 7	GRUP 8
OF THE COURSES	(6Students)	(6 Students)	(6 Students)	(7 Students)	(5 Students)	(6 Students)	(5 Students)	(6 Students)
January 05-16 2009 (2 weeks)	PEDIATRIC SURGERY. YUFM+ GEAH	PMR YUFM	RADIOLOGY GEAH	PSYCHIATRY H.N.H.	INFECTIOUS DISEASES H.N.H.	ANESTHESIOLOGY K.L.K.	NUCLEAR MED YUFM RAD.ONCOLOGY K.L.K	DERMATOLOGY GEAH
January 19-30 2009 (2 weeks)	DERMATOLOGY GEAH	PEDIATRIC SURGERY. YUFM+ GEAH	PMR YUFM	RADIOLOGY GEAH	PSYCHIATRY H.N.H.	INFECTIOUS DISEASES H.N.H.	ANESTHESIOLOGY K.L.K.	NUCLEAR MED YUFM RAD.ONCOLOGY K.L.K
February 02-13 2009 (2 weeks)	NUCLEAR MED YUFM RAD.ONCOLOGY K.L.K	DERMATOLOGY GEAH	PEDIATRIC SURGERY. YUFM+GEAH	PMR YUFM	RADIOLOGY GEAH	PSYCHIATRY H.N.H.	INFECTIOUS DISEASES H.N.H.	ANESTHESIOLOGY K.L.K.
February 16-27 2009 (2 weeks)	ANESTHESIOLOGY K.L.K.	NUCLEAR MED YUFM RAD.ONCOLOGY K.L.K	DERMATOLOGY GEAH	PEDIATRIC SURGERY. YUFM+GEAH	PMR YUFM	RADIOLOGY GEAH	PSYCHIATRY H.N.H.	INFECTIOUS DISEASES H.N.H.
March 02-13 2009 (2 weeks)	INFECTIOUS DISEASES H.N.H.	ANESTHESIOLOGY K.L.K.	NUCLEAR MED YUFM RAD.ONCOLOGY K.L.K	DERMATOLOGY GEAH	PEDIATRIC SURGERY. YUFM+ GEAH	PMR YUFM	RADIOLOGY GEAH	PSYCHIATRY H.N.H.
March 16-27 2009 (2 weeks)	PSYCHIATRY H.N.H.	INFECTIOUS DISEASES H.N.H.	ANESTHESIOLOGY K.L.K.	NUCLEAR MED YUFM RAD.ONCOLOGY K.L.K	DERMATOLOGY GEAH	PEDIATRIC SURGERY. YUFM+GEAH	PMR YUFM	RADIOLOGY GEAH
March 30-April 10 2009 (2 weeks)	RADIOLOGY GEAH	PSYCHIATRY H.N.H.	INFECTIOUS DISEASES H.N.H.	ANESTHESIOLOGY K.L.K.	NUCLEAR MED YUFM RAD.ONCOLOGY K.L.K	DERMATOLOGY GEAH	PEDIATRIC SURGERY. YUFM+GEAH	PMR YUFM
April 13-24 2009 (2 weeks)	PMR YUFM	RADIOLOGY GEAH	PSYCHIATRY H.N.H.	INFECTIOUS DISEASES H.N.H.	ANESTHESIOLOGY K.L.K.	NUCLEAR MED YUFM RAD.ONCOLOGY K.L.K	DERMATOLOGY GEAH	PEDIATRIC SURGERY. YUFM+ GEAH
April 27-May 05 2009 (1.5 week)		CL. PHARMACOLOGY YUFM (GROUP I)			FORENSIC MEDICINE YUFM (GROUP II)			
May 06-15 2009 (1.5 week)		FORENSIC MEDICINE YUFM (GROUP I)			CL. PHARMACOLOGY YUFM (GROUP II)			
18-22 May 2009 (1 week)		CLINICAL ETHICS YUFM						
25-29 May 2009 (1 week)		PUBLIC HEALTH YUFM						

PHASE V

Grup 1

Canan ÇETİNKAYA
Merve ALÇIKAYA
Hasret SELİMOĞLU
Dilara ÖRGE
Büşra AKSOY
Merve KIROĞLU
Ezgi YILDIRIM

Grup 2

Gülce ÇELİK
İrem COŞKUN
Selin ÖNDAŞ
Anıl GÜNDÜZ
Aras TULUNOĞLU
Berkem ÖKTEN
Emrah GERGİN
Sinem YILMAZ

Grup 3

Ali ÜLGEN
Çiğdem IŞILTAN
Ayşegül KOÇOĞLU
Zümrüt ARSLAN
Merve İLASLAN
Oben KARAKUŞ
Barış ALTAY
Fulya ÜSTÜNKAN

Grup 4

Özlem ERANIL
Salih ÇOLAKOĞLU
Fevzi KANGÜL
Behiye KAVUNCUOĞLU
Seçil TAŞKIN
Irmak POLAT
Merve MİLLİ
Elif KERVANCIOĞLU
Halil Umut Öner

Grup 5

Özge UMUR
İpek GÜNGÖR
Fatma ÇELİK
Burçin YORGANCI
Ayşe BÜYÜKDENİZ
İhsan GÜNER

Grup 6

Kübra EROL
Bilge KALKAN
Pınar VURGUN
Celine AVCI
Veysel UMMAN
Ahmet KARA
Elif YILMAZ
Demet AKACAN
Oğuz EĞİLMEZ

PHASE V

Grup 1

Canan ÇETİNKAYA
Merve ALÇIKAYA
Hasret SELİMOĞLU
Dilara ÖRGE
Büşra AKSOY
Merve KIROĞLU

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Oğuz EĞİLMEZ
Elif YILMAZ
Fevzi KANGÜL

Grup 7

Özge UMUR
İpek GÜNGÖR
Fatma ÇELİK
Burçin YORGANCI
Fulya ÜSTÜNKAN

Grup 8

Celine AVCI
Veysel UMMAN
Ahmet KARA
Ezgi YILDIRIM
Demet AKACAN
İhsan GÜNER

PHASE V

- Anesthesiology and Reanimation
- Infectious Diseases and Clinic Microbiology
- Dermatology
- Radiology
- Physical Medicine and Rehabilitation
- Nuclear Medicine
- Radiation Oncology
- Psychiatry
- Opthalmology
- Otorrhinolaryngology
- Pediatric Surgery
- Neurosurgery
- Orthopaedics and Traumatology
- Neurology
- Urology
- Forensic Medicine
- Clinical Pharmacology
- Clinic Ethics
- Public Health

PHASE V

DR.LÜTFİ KIRDAR KARTAL TRAINING AND RESEARCH HOSPITAL
ANESTHESIOLOGY AND REANIMATION

ANESTHESIOLOGY AND REANIMATION CLINIC I

Tamer Kuzucuoğlu, MD (Vice-Chairman)

Yaman Özyurt, MD

Hakan Erkal, MD

Gülten Arslan, MD

Hüsnü Süslü, MD

Feriha Temizel, MD

ANESTHESIOLOGY AND REANIMATION CLINIC II

Serhan Çolakoğlu,MD (Chairman)

Elif Bombacı,MD (Vice-Chairman)

Banu Çevik,MD (Vice-Chairman)

Ayşegül Çizen,MD

Ayşenur Boztepe,MD

Hülya Büyükkırlı,MD

Arzum Örskıran,MD

Özlem Sezen,MD

LECTURES

- Introduction to anesthesiology and reanimation, history
- Preanesthesic Assessment and Premedication
- Inhalation Anesthesia and Anesthetics
- Muscle Relaxants
- Indications of Medical Intensive Care Units
- Intravenous Anesthesia and Anesthetics
- Spinal Anesthesia
- Epidural Anesthesia
- Principles of Airway Opening and Endotracheal Intubation
- Cardiopulmonary Ressuscitation
- Monitorisation
- Pediatric Anesthesia
- Neuroanesthesia
- Central and Peripheral Intravenous Cannulation Techniques
- Local Anesthetics
- Obstetric Anesthesia
- Anesthesia Equipment
- Main Principles and Treatment of Intoxications

DR.LÜTFİ KIRDAR KARTAL TRAINING AND RESEARCH HOSPITAL

ANESTHESIOLOGY AND REANIMATION (2 WEEKS)

FIRST WEEK

TIME	Monday	Tuesday	Wednesday	Thursday	Friday
08.00-10.00	Introduction to anesthesiology and reanimation, history (T)	Indications of ICU(T)	IV Anestesia and Anestetics(T)	Principles of Airway Opening and ETE (T)	Muscle Relaxants (T)
10.00-12.00	Preanesthesic Assessment and Premedication(T)	Indications of ICU(P)	IV Anestesia and Anestetics (P)	Principles of Airway Opening and ETE(P)	Muscle Relaxants (P)
12.00-14.00	Preanesthesic Assessment and Premedication(P)	Pediatric Anesthesia (T)	Spinal Anesthesia (T)	Inhalational Anesthesia and Anesthetics (T)	Monitorisation (T)
14.00-16.00		Pediatric Anesthesia (T)	Spinal Anesthesia (P)	Inhalational Anesthesia and Anesthetics (P)	Monitorisation (P)

SECOND WEEK

TIME	Monday	Tuesday	Wednesday	Thursday	Friday
8.00-10.00	Obstetric Anesthesia (T)	Local Anesthestics(T)	Neuroanesthesia (T)	Central and Peripheric IV Cannulation (T)	Practice Examination
10.00-12.00	Obstetric Anesthesia (P)	Local Anesthetics (P)	Neuroanesthesia (P)	Central and Peripheric IV Cannulation (P)	Written Examination
12.00-14.00	Anesthetic Equipment (T)	Main Principles and Treatment of Intoxications(T)	Epidural Anesthesia (T)	Cardiopulmonary Ressuscitation (T)	Clinical practise
14.00-16.00	Anesthetic Equipment (P)	Main Principles and Treatment of Intoxications(P)	Epidural Anesthesia (P)	Cardiopulmonary Ressuscitation (P)	Clinical practise

(T): Theoretical lectures, (P): Practical lectures

PHASE V

HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL INFECTIOUS DISEASES CLINICAL MICROBIOLOGY AND

(2 WEEKS)

INFECTIOUS DISEASE AND CLINICAL MICROBIOLOGY

1.Laboratory studies in infectious disease
2.Specimen selection, collection and processing in infectious disease
3.Direct and indirect diagnostic methods in infectious disease
4.Culture medium, identification of gram positive and gram negative microorganism's and mechanisms of antimicrobial resistance
5.The main stain methods in infectious disease
6.Central nervous system infectious
7.HIV Infection and AIDS
8.Gastroenteritidis and food poisining
9.Tuberculosis
10.Nosocomial infections
11.Infective endocarditis
12.Sepsis
13.Pnemonia
14.Brusellosis
15.Salmonellosis
16.Empirical antibiotic treatment
17.Acute viral hepatitis
18.Infections of the upper respiratory tract
19.Fever and fever of unknown etiology
20.Viral exantems

1-Laboratory studies in infectious disease

Learning objectives
You should be able to:

- Understanding of the importance of laboratory studies in infectious disease
- Understand how to help diagnosis of infectious disease
- Know how to manage the laboratory process.

2-Specimen selection, collection and processing in infectious disease

Learning objectives
You should be able to:

- Know how to select a specimen in varies infectious disease
- Know how to collect the most apporiate specimen for diagnose of infectious disease
- Understand to the most apporiate period to send a specimen in a infectious disease

3-Direct and indirect diagnostic methods in infectious disease

Learning objectives
You should be able to:

- Know the direct and indirect diagnostic methods of infectious disease
- Know which method are the most specific and the most sensitive for infectious disease
- Know the selection indications of diagnostic methods

4-Culture medium, identification of Gram positive and Gram negative microorganisms and the mechanisms of antimicrobial resistance

Learning objectives
You should be able to:

- Outline the main variety of culture medium in microbiologic diagnosis
- Know the prominent properties of different culture media
- Understand the basic principles of bacterial identifications
- Know how to manage Gram positive and Gram negative bacterial identification.
- Know how to perform an antibiogram
- Understand how to recognize antimicrobial resistance
- Understand the antimicrobial resistance mechanism.
- Know the antimicrobial sensitivity test methods.

5-The main stain methods in infectious disease.

Learning objectives
You should be able to:

- The use of stain methods in microbiology
- Be prepared to the Gram strain, Acid fast strain and Giemsa strain
- Know the interprete a stained material.

6-Central nervous systems infections

Learning objectives
You should be able to:

- Classification of central nervous system infections
- Have understand of the pathophysiogy of central nervous systems infections
- Know what to be etiologic agents of central nervous systems infections
- Know the symptoms, signs and diagnosis of central nervous systems infections
- Know it's treatment modalities
- Understant it's prognosis and know it's complications
- Be alert to the clinical presentations of acute of central nervous systems infections

7- HIV and AIDS

Learning objectives
You should be able to:

- Understand the basic structures of HIV and influence on cellular fusion
- Know the epidemiology of HIV in Turkey and in the world
- Know diagnostic tests for diagnosis of HIV infections
- Know the clinical features and clinical standing of the varies periods of the infection.
- Know how HIV disease progresses
- Know how correction between HIV and with immundeficiency
- Know the AIDS and the neoplastic disorders
- Know the main treatment and basic management strategies with HIV patients
- Know the prophylactic procedures related with HIV infections

8- Gastroenteritidis and food poisoning

Learning objectives
You should be able to:

- Describe and classify of gastroenteritidis and food poisoning.
- Know the epidemiology of gastroenteritidis and know the etiologic agents in varies clinical features.
- Know the pathophysiology of gastroenteritidis.
- Know how to diagnose of gastroenteritidis.
- Understand how to manage gastroenteritidis.

9-Tuberculosis

Learning objectives
You should be able to:

- Describe the importance of tuberculosis for Turkey.
- Know the epidimiology and incidence of tuberculosis in the world and Turkey.
- Know the diagnostic methods and be able to diagnosis.
- To classify tuberculosis as pulmoner and extrapulmoner based on affected organ.

- Know the importance of antimicrobial resistance to M.tuberculosis.
- Know the antituberculous therapy and it's advers reactions.
- Discribe the principles of management of tuberculosis.

10- Nosocomial infections

Learning objectives
You should be able to:

- Definition of nosocomial infections.
- Risk factors for nosocomial infections.
- Etiology and pathogenesis of nosocomial infections.
- Diagnosis and treatment for nosocomial infections.

-Strategies for prevention of nosocomial infections.

11-Infective endocarditis

Learning objectives
You should be able to:

- Distinguish between the different forms of infective endocarditis.
- Know the diagnostic and therapeutic approach to infective endocarditis.
- Treat of infective endocarditis.
- Know the indication for prophylaxis of infective endocarditis.

12-Sepsis

Learning objectives
You should be able to:

- Know the definition of sepsis
- Etiology and pathophysiology of sepsis.
- Know how to distinguish patients with minor infections from those with life-threaening bacterial or fungal sepsis.
- Diagnose sepsis and septic shock clinically.
- Know the main complications of sepsis.
- İmplement the basic management strategies.

13-Pneumonia

Learning objectives
You should know:

- Etiology and pathogenesis of pneumonia
- Diagnose patients as having disease of pneumonia
- Outline the investigation and management

14-Brusellosis

Learning objectives
You should know:

- Clinical features of brusellosis
- Laboratory and diagnosis of brusellosis
- Treatment

15-Salmonellosis

Learning objectives
You should know:
-Clinical features of salmonellosis
-Laboratory and diagnosis of salmonellosis
-Treatment of salmonelosis

16-Empirical antibiotic treatment

Learning objectives
You should know:
-Clasification, side effect, effect mechanism of antibiotics
-Clinical using of antiboitcs
-Understand the main principles of antibiotic management

17-Acute viral hepatitis

Learning Objectives :
You should know
- Classification
- Clinical features (typical, atypical, fulminant)
- Diagnosis
- Treatment and prophylaxis

18-Infections of the upper respiratory tract

Learning objectives
You should know:
Etiology, epidemiology, clinical manifestations, complications, diagnosis and treatment of
- Acut viral rhinitis (Common cold)
- Acute pharyngitis and tonsillitis
- Otitis media
- Sinusitis
- External otitis

19-Fever and fever of unknown etiology (FUO)

Learning objectives
You should know:
- Definition of fever
- Physiology of fever and associated responses
- Types of fever
- Definitions of unknown etiology
- Causes of FUO
- Approach of the FUO
- Labotatory and diagnosis aids in the FUO evelation
- Miscellaneous diseases that cause FUOs

- Therapeutic drug trials in patients with FUO

20-Viral exantems

Learning objectives
You should be able to:

- Epidemiology, pathogenesis and pathology, clinical features, complications, diagnosis and management of
- Measles (Rubeola)
- Rubella
- Parvovirus B19 ınfections and Erytema Infectiosum
- Varicella virus ınfections
- Human Herpervirus Type 6 and Roseola (Exanthem Subitum)

PHASE V

GOZTEPE EDUCATİONAL AND RESEARCH HOSPİTAL

DERMATOLOGY(2 weeks)

Dermatology Clinic

Mukaddes Kavala, MD, Associate Professor

Monday

08.30-09.20	Grand Raund
09.30-10.20	Fungal infections
10.30-12.00	Practice (Outpatient Clinic of Dermatology)
13.30-14.20	Cutaneous Tuberculosis, Cutaneous Leishmaniasis & Leprosy
14.30-15.30	Practice (Outpatient Clinic of Dermatology)

Tuesday

08.30-09.20	Grand Raund
09.30-10.20	Viral infections
10.30-12.00	Practice (Outpatient Clinic of Dermatology)
13.30-14.20	Contact dermatitis, Atopic dermatitis
14.30-15.30	Practice (Allergy Outpatient Clinic)

Wednesday

08.30-09.20	Grand Raund
09.30-10.20	Behçet's Disease
10.30-12.00	Practice (Behçet's Disease Outpatient Clinic)
13.30-14.20	Parasitic infections
14.30-15.30	Practice (Outpatient Clinic of Dermatology)

Thursday

08.30-09.20	Grand Raund
09.30-10.20	Bullous diseases
10.30-12.00	Practice (Outpatient Clinic for Bullous Diseases)
13.30-14.20	Urticaria, Pruritus generalis
14.30-15.30	Practice (Allergy Outpatient Clinic)

İSTANBUL GÖZTEPE TRAINING AND RESEARCH HOSPITAL

RADIOLOGY (2 weeks)

İhsan Kuru, MD. (Clinical Chief)
Alper Hayırlıoğlu, MD. (Clinical Chief)

LECTURES

Introduction to radiology
Neuroradiology
Interventional radiology
Musculoskeletal radiology
Throax radiology
Pediatric radiology
Radiology of thorax
Uroradiology
GI tract radiology

RADIOLOGY EDUCATIONAL PROGRAM (2 WEEK)

FIRST WEEK	SECOND WEEK
MONDAY PHYSICS OF ROENTGEN 09.00-10.00 CONTRAST MEDIA 10.00-11.00 NORMAL CHEST RADIOLOGY 11.00-12.00 PRACTİCE OF USG 13.00-16.00	**MONDAY** RADIOLOGY IN LOWER GASTROINTESTINAL TRACT (2) 09.00-10.00 THE KIDNEYS, URETER AND UPPER URİNARY TRACT 10.00-11.00 PRACTICE OF TRANSVAJİNAL USG 13.00-16.00
TUESDAY INFLAMMATORY DISEASES OF THE LUNG 08.00-09.00 TUMOURS OF THE LUNG 09.00-10.00 RADIOLOGIC IMAGING MODALITIES 10.00-11.00 (USG, DOPPLER, MAMMOGRAPHY) 11.00-12.00 PRACTİCE OF MR 13.00-16.00	**TUESDAY** THE BLADDER, PROSTATE AND URETHRA 09.00-10.00 MUSCULOSKELETAL SYSTEM (periostal reaction, bone and joint infections) 10.00-11.00 PRACTICE OF MAMMOGRAPHY 13.00-16.00
WEDNESDAY RADIOLOGIC IMAGING MODALİTIES (CT, MRI) 09.00-10.00 CHRONIC OBSTRUCTİVE AIRWAY DISEASES 10.00-11.00 METABOLIC AND ENDOCRINE DISORDERS AFFECTING BONE (1) 11.00-12.00 PRACTICE OF DOPPLER 13.00-16.00	**WEDNESDAY** MUSCULOSKELETAL SYSTEM (tumours) 09.00-10.00 THE CENTRAL NERVOUS SYSTEM (cranium) 10.0011.00 PRACTICE OF PEDİATRIC USG 13.00-16.00
THURSDAY METABOLIC AND ENDOCRINE DISORDERS AFFECTING BONE(2) 09.00-10.00 RADIOLOGY IN UPPER GASTROINTESTINAL TRACT (1) 10.00-11.00 RADIOLOGY IN UPPER GASTROINTESTINAL TRACT (2) 11.00-12.00 PRACTICE OF CT 13.00-16.00	**THURSDAY** THE CENTRAL NERVOUS SYSTEM (spine) 09.0010.00 PRACTICE OF MAMMO USG 13.00-16.00
FRIDAY IMAGİNG INVESTIGATION OF THE UROGENİTAL TRACT 09.00-11.00 RADIOLOGY IN LOWER GASTROINTESTINAL TRACT (1) 11.00-12.00 PRACTİCE OF İNTERVENTİONAL RADIOLOGY 13.00-16.00	**FRIDAY** MUSCULOSKELETAL SYSTEM (skeletal trauma) 09.00-10.00 PRACTICE OF OBSTETRIC USG13.00-16.00

YEDİTEPE UNIVERSITY FACULTY OF MEDICINE

PHYSICAL MEDICINE AND REHABILITATION (2 Weeks)

ACADEMIC FACULY
DEPARTMENT OF PHYSICAL MEDICINE and REHABILITATION
Prof. Gülçin GÜLŞEN, M.D., Head of Department
Assist. Prof. Duygu GELER KÜLCÜ, M.D.

DURATION OF CLERKSHIP
Physical Medicine and Rehabilitation Clerkship takes place in the 5th year over a period of 2 weeks in the 5th year

GENERAL INFORMATIION ABOUT THE DEPARTMENT
The Department of Physical Medicine and Rehabilitation is located on the 1st floor of the Yeditepe University Hospital. Telephone no: 0126 5784100.
There is also aunit, within the ward , where physical therapy is provided for inpatients.
The outpatient service is below the 1st floor of the polyclinic building. We receive about 50 patients at the outpatient clinics on ech day.

1. AIM
Our aim is to supply clerkship students with knowledge and skills in the following topics:
Train the students in Physical Therapy and Rehabilitation methods and teach them to refer their patients to the correct department.
Teach the principles and methods used in evaluating and treating disorders of physical function (Orthopedic and Neurological Dysfunctions).
Train the student in physical disability cases and patient approach in such cases.
Point out the importance of “rehabilitation medicine “ which is one of the most important three branches of medicine.
Teach the students how to acquire skills and knowledge about rheumatological diseases and patient rehabilitation.
Teach the students how to take a history, to perform the physical and motor system examination of patients who are referred to the Physical Medicine and Therapy Department (Rheumatologic and other disabilities).
Teach students how to formulate a diagnosis and which laboratory and other tests to ask for in order to analyze and apply the results such as neurophysiological tests, gait assessment.
Teach students the principles of maintaining a good patient doctor relationship.

2. LEARNING OBJECTIVES
2. 1. KNOWLEDGE OBJECTIVES
Diseases / Clinical Conditions Expected
Performance
1. Low Back Pain
2. Shoulder Pain
3. Osteoarthritis
4. Cauda Equina Syndrome
5. Fibromyalgia
6. Lumbar discs herniation
7. Connective Tissue Diseases
8. Crystal arthropathies
9. Ligament lesions,Achiles tendon
10. Rheumatoid arthritis
11. Septic arthritis

12. Spondyloarthropathies
13. Tenosynovitis
14. Stroke
15. Ischemic attacks (treatable)
16. Chronic fatigue syndrome
17. Motor neuron diseases
18. Myopathies
19. Multiple sclerosis
20. Cerebral palsy
21. Paraplegia- acute transverse myelitis
22. Parkinson's disease
23. Psychogenic pain (chronic)
24. Psychosomatic dysfunctions (functional syndromes)
25. Movement disorders
26. Peripheral neuropathy
27. Polynueropathies
28. Neural tube defects
29. Spinal muscular atrophy
30. Guillain –Barre Syndrome

2.2. CLINICAL SKILLS OBJECTIVES

A. Skills which the students must learn and or acquire, and tests which the student must be able to assess.

a. Take the history of a patient
b. Set up a file for a patient
c. Write a prescription (correctly and clearly)
d. Make specific neurological examinations (Examination of the reflexes, examination for neuropathy, examination of the senses, examination of the cranial nerves, aphasia examination, examination by Romberg test, cerebellar examination, gait and extrapyramidal system examination)
e. Musculo-skeletal system examination (general rheumatologic examination , evaluation of joint pain , oedema , inflammation, arthritis of the joints, motor dysfunction, and loss of physical function , gait assessment muscle tests , joint range of motion, examination of feet)
f. Drug administration (eg give a subcutaneous injection)
g. Transportation of patients with spinal injuries, and the principles of caring for a patient in the acute stages.

Intellectual Skills

a. Take a history relevant to the case and be able to ask rational guest ions .
b. Determine the relative urgency of a case .
c. Interpret the pulse rate
d. Evaluate sense and motor reflexes
e. Make a differential diagnosis.
f. Train the student to be able to choose relevant laboratory tests, and other diagnostic methods.
g. Assess validity of treatment
h. Assess response to medication
i. Follow up the patients response to medication
j. Adjust the medication dose for patients with liver and kidney disorders
k. Prescribe the correct radiodiagnostic test
l. Recognize which areas of the body are in an X-ray and why the X-ray has been taken
m. Evaluate X-ray
n. Provide primary health care services.

Communication Skills

a. Maintain a good relationship with colleagues and auxiliary health personnel.

b. Maintain a good relationship with the patient and his / her relatives.
c. Give the patient and his / her relatives' correct and adequate information about the disease.
d. Give the patient correct information about the disease and its treatment in a clear way.
e. Inform a diabetic patient about the importance of foot care.
f. General approach to the patient with cancer. Inform him / her about the effects of immobilization.
B. Skills which the students must acquire, be able to perform in requisite conditions.
a. Main principles of caring for patients with spinal injury, stroke, cerebral palsy, spina bifida, etc.
b. Care and treatment of wounds
c. Physical examination
d. Evaluation of joint stability
e. Assessment of patient's bone mineral density
f. Assessment of bone scintigraphy
g. Assessment of brain tomography
h. Assessment of cranial MR.
i. Scoring the rheumatological test results (RF, ANA, double-stranded DNA, ANCA, ASO, HLA-B27, etc)
j. Assessment of cervical, lumbar, AC and direct abdomen and peripheric joint graphies.
k. Philosophy of *"Rehabilitation"* and continuation of rehabilitation during life-time
l. Approach to disabled patient
m. Consider the patient as a whole within his own environment.
C. Interventions students must observe and become familiar with throughout their studies:
a. Aspiration of joint fluid
b. Electromyography and evoked potential testing.
c. Evaluation of muscle strength
d. Rehabilitation activities, use of physical therapy devices
e. Special P.M.R exercises
f. Pediatric rehabilitation

3. GENERAL INFORMATION ABOUT THE CLERKSHIP

The first day of the Clerkship is Orientation Day. Students are given general information concerning Physical Medicine and the teaching programme. Materials are distributed, the students are assigned specific duties and told what these will involve they are also given their first bedside training. They are divided into 2 groups. They have theoretical and practical bedside training. They work at the outpatient clinic and on the ward. They participate in educational activities (seminars, case discussions, journal club) once in a week , at the Department.

Educational Techniques

Theoretical classes, bedside training, seminars , practical classes, journal club hours, conferences.

3.1. WHAT WE EXPECT FROM THE STUDENTS

Students are expected to actively participate in the program. Throughout the clerkship the students must take part in hospital rounds, and clinical interventions at the polyclinic and private polyclinics. They must observe and become familiar with the interventions of the department. They must also participate in seminars.

4. ASSESSMENT

At the end of the Clerkship students are given a written examination. The exam consists of multiple choice questions a short essay, a modified essay, and long essay guest ions. The students are also assessed according to their performance during the clerkship. The passing grade is fifty out of 100.

5. REFERENCES FOR FURTHER STUDY

Beyazova M, Gökçe-Kutsal Y. Fiziksel Tıp ve Rehabilitasyon, Güneş Kitabevi, Ankara, 2000.
David J. Megee. Orthopedic Physical Assessment. W.B. Saunders Co., Philadelphia, 1997.
Hoppenfeld. Physical Examination of the spine and extremities. Appleton & Lange, Philadelphia, 1976.
Joel A. DeLisa, Bruce M. Gans. Rehabilitation Medicine. Lippincott-Raven, Philadelphia, 1998.

Randall L. Braddom. Physical Medicine and Rehabilitation. W.B. Saunders Company, Philadelphia, 2001.
Hochberg MC, Silman AJ, Smolen JS, Weinblatt ME, Weisman MH (Ed.). Rheumatology. Third Edition, Mosby, Edinburgh, 2003.

Learning objectives:

1. Musculoskeletal (locomotor) system symptom and signs
- Be able to take a history relevant to the case and be able to ask rational guest ions
- Determine the relative urgency of a case
- Be able to recognize the possible underlying pathology and to refer your patients to the correct department.

2. Musculoskeletal (locomotor) system examination
- Be able to do general rheumatologic examination , evaluation of joint pain, edema , inflammation, arthritis of the joints, motor dysfunction, and loss of physical function , gait assessment muscle tests , joint range of motion, examination of feet).

3. Enflammatory joint diseases
- Understand the etiopathogenesis
- Be able to distinguish between the different forms of inflammatory joint diseases and the diagnostic and therapeuric approach to each.
- Prescribe the correct radiodiagnostic test which laboratory and other tests to ask for in order to diagnose
- Write a treatment prescription (correctly and clearly)

4. Diagnosis and treatment of servical and upper extremity pain
- Remember the anatomy of cervical spine, shoulder, elbow and wrist joints
- Learn how to differentiate the origin of the pain
- Prescribe the correct radiodiagnostic test which laboratory and other tests to ask for in order to diagnose
- Formulate a differential diagnosis
- Write a treatment prescription (correctly and clearly)

5. Seronegative spondiloarthropathies
- Understand the etiopathogenesis
- Desribe diagnositc criteria
- Learn how to formulate a differential diagnosis in between.
- Be able to choose relevant laboratory tests, and other diagnostic methods.
- Scoring the rheumatological test results (RF, ANA, double-stranded DNA, ANCA, ASO, HLA-B27, etc)
- Write a treatment prescription (correctly and clearly)

6. Degenerative Arthritis
- Understand the etiopathogenesis
- Learn how to formulate a differential diagnosis from inflammatory joint disease
- Assessment of cervical, lumbar, peripheric joint graphies.
- Learn treatment choices (drug use, rehabilitation activities or use of physical therapy devices)

7. Osteoporosis and metabolic bone diseases
- Understand the etiopathogenesis
- Assessment of joint graphies and laboratory
- Learn how to formulate a differential diagnosis Learn the risk factors for osteoporosis
- Prevention from osteoporosis
- Assessment of bone mineral dansitometry
- Decision of appropriate medication for an individual patient

- Exercise prescription of an osteoporotic patient

8. Differntial diagnosis and treatment of lowback and lower extremity pain
   - Remember the anatomy of lumbarl spine, hip and knee joints
   - Learn how to differentiate the nature of the pain
   - Formulate a differential diagnosis
   - Prescribe the correct radiodiagnostic test which laboratory and other tests to ask for in order to diagnose
   - Write a treatment prescription (correctly and clearly)

9. Pain pathophysiology classification and treatment
   - Learn pain pathways
   - Learn types of pain (talamic pain, neuropathic pain, radicular pain, referring pain, inflammatory pain)
   - Evaluation of pain
   - Treatment of different types of pain either medication or physical therapy
10. Therapeutic exercises and quality of life
   - Learn kinds of exercises (ROM exercises, muscle strengthening)isometric, isotonic, isocinetic) exercises, strengthening exercises, aerobic exercises, etc)
   - Learn benefits of different type of exercises
   - Learn how to prescribe exercise for an individual according to his diagnosis and physical examination
   - Approach to disabled patient
   - Consider the patient as a whole within his own environment.
   - Philosophy of "Rehabilitation" and continuation of rehabilitation during life-time
   - Learn how to evaluate patient's quality of life

11. Rehabilitation of neurologic diseases
   - The etiology and classification of the neurologic disesases
   - Evaluation of muscle strength, spasticity, examination of the reflexes, examination for neuropathy, examination of the senses, examination of the cranial nerves, aphasia examination, examination by Romberg test, cerebellar examination, gait and extrapyramidal system examination)
   - Make decision of the patient's disability level.
   - Decision of short-term and long-term goals for an individual
   - Learn how to follow up progress of the patient
   - Learn possible complications of a patient with neuerologic diseases and how to prevent and how to treat them.
12. Radiologic evaluation of musculoskeletal disorders
   - Learn how to evaluate radiography of spine and joints (Evaluation of osteoarthritis, Evaluation of spondilosis, spondilolisthesis, spondilolysis,scoliosis, evaluation of typical rheumatologic findings of spine and joints in Rheumatoid Arthiritis, ankylosing spondylitis and other spondiloarthropathies)
   - Evaluation of lomber and cervical disc hernies and spinal stenosis by MRI
13. Periferic nerve diseases
   - Symptomes and signs of peripheric nerve injuries and polyneuropathises
   - Rehabilitation principles for peripheric nerve injury
   - Treatment approaches

14. Diseases of spine and spinal cord
   - Remember the anatomy of spine and spinal cord
   - Diagnosing spondilosis, spondilolisthesis, spondilolysis and scoliosis according to symptoms, signs and diagnostic tests

- Learn possible treatment choices
- Assessment of a patient with spinal cord injury
- Make decision of the patient's disability level.
- Decision of short-term and long-term goals for an individual
- Learn how to follow up progress of the patient
- Learn possible complications of a patient with neuerologic diseases and how to prevent and how to treat them.

15. Drug use in musculoskeletal system disorders
    - Learn how to prescribe nonsteroid antiinflammatory drugs
    - Dosage, endication and contraendications and side effects of NSAIDs
    - Steroid use (endication, kontraendication, prescription, side effects)
    - Disease modifiying drugs (DMARDS) (endication, kontraendication, prescription, side effects)

16. Physical medicine agents and orthosis and prothetics in rehabilitation
    - Learn the benefits of physical medicine agents
    - Learn how to decide which physical agent for which patient
    - Endications and contraendications of physical agents
    - Kinds of orthosis and prothetics
    - The principles of using orthosis and prothetics
    - Learn how to prescribe which orthosis to which patient

Program

Musculoskeletal (locomotor) system symptom and signs	Duygu Geler Külcü, MD Assist.Prof
Musculoskeletal (locomotor) system examination	Duygu Geler Külcü, MD Assist.Prof
Enflammatory joint diseases	Duygu Geler Külcü, MD Assist.Prof
Diagnosis and treatment of servical and upper extremity pain	Duygu Geler Külcü, MD Assist.Prof
Seronegative spondiloarthropathies	Şerife Gülçin Gülşen, MD Prof.
Degenerative Arthritis	Şerife Gülçin Gülşen, MD Prof.
Osteoporosis and metabolic bone diseases	Şerife Gülçin Gülşen, MD Prof.
Differntial diagnosis and treatment of lowback and lower extremity pain	Şerife Gülçin Gülşen, MD Prof.
Pain pathophysiology classification and treatment	Duygu Geler Külcü, MD Assist.Prof
Therapeutic exercises and quality of life	Duygu Geler Külcü, MD Assist.Prof
Rehabilitation of neurologic diseases	Duygu Geler Külcü, MD Assist.Prof
Radiologic evaluation of musculoskeletal disorders	Duygu Geler Külcü, MD Assist.Prof
Periferic nerve diseases	Şerife Gülçin Gülşen, MD Prof.
Diseases of spine and spinal cord	Şerife Gülçin Gülşen, MD Prof.
Drug use in musculoskeletal system disorders	Şerife Gülçin Gülşen, MD Prof.
Physical medicine agents and orthosis and prothetics in rehabilitation	Şerife Gülçin Gülşen, MD Prof.

YEDİTEPE UNIVERSITY FACULTY OF MEDICINE
NUCLEAR MEDICINE (1 week)

Ayşe Mavi,MD,Assist Prof.

Nalan Alan Selcuk,MD, Assist. Prof.

Türkay Toklu, M.Sc.

NUCLEAR MEDICINE (FIRST WEEK)

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

NUCLEAR MEDICINE (FIRST WEEK) EDUCATIONAL PROGRAM

1.Day

TIME	SUBJECT
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 İmaging and neurologic PET Application
15.45-16.30	Bone scintigraphy and other tumor agents

2.Day

09.00-10.00	Thyroid and parathyroid Scintigraphy
10.15-10.45	Nuclear Medicine in Hyperthyroidism
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	İnfection İmaging part 1: FDG-PET,
10.00-10.45	İnfection İmaging part 2: Leucocyte and Gallium 67 Scintigraphies
11.00-12.00	Practice : infection imaging
13.00-13.45	FDG-PET in Head and Neck Cancer
14.00-14.45	FDG-PET in GIS and gynecologic cancers
15.00-16.00	Practice: PET imaging
16.00-17.00	EXAM

PHASE V

MD LÜTFİ KIRDAR KARTAL TRAINING AND RESEARCH HOSPITAL
RADIATION ONCOLOGY(1 Week)

TIME	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 **CENGİZ GEMİCİ,MD**	Gynecologic Cancers **CENGİZ GEMİCİ,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 Plannig 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**

HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL
PSYCHIATRY (2 weeks)

Mecit Çalıskan, MD. Clinical Chief
Mehmet Üçışık, MD.
Figen Atalay, MD.
Gonca Erkıran, MD.
Cem Cerit, MD

EDUCATİON SCHEDULE AND AİMS

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 disfunctions, paraphilias and gender identity disorders
18. Impulse-control and adjustment disorders
19. Psychopharmacology
20. Forensic psychiatry
21. Consultation-Liaison psychiatry and geriatic psychiatry
22. Psychoterapies
23. Child and adolescent psychiatry
24. Personality disorders

1. Introduction to psychiatry and history of psychiatry

Educational aims:

a. The importance of psychiatry in general heath practice
b. Overwieving psychiatric health and treatment procedures from old times to present

2. **Psychiatric ethics and patient-physician relations**

Educational aims:

a. Overwiev of ethical issues and problems in psychiatric ethics
b. Important points to be taken into consideration for patient-physician relationship to be stong and effective

3. Psychiatric interview and mental status examination

Educational aims:

a. Psychiatric interview, history and mental status examination

4. Signs and symptoms in psychiatry

Educational aims:

a. Evaluation of psychiatric semptomatology and signs and symptoms of psychiatric disorders

5. Diagnosis and classification of psychiatric disorders

Educational aims:

a. Evaluation of frequently used diagnostic measures in psychiatry
b. Classification of disorders using these diagnostic measures

6. Mental disorders due to a general medical condition

Educational aims:

a. Etiology, diagnosis, symptoms and treatment of mental disorders due to general medical condition like delirium, dementia and amnestic sendroms

7. Schizophrenia and other psychotic disorders

Educational aims:

a. Etiology, diagnosis, symptoms and treatment of psychotic disorders like schizophrenia schizoaffective disorder and delusional disorder

8. Alcohol related disorders

Educational aims:

a. Overwiev of alcohol addiction, abuseand alcohol related other disorders

9. Substance abuse and related disorders

Educational aims:

a. Overwiev of frequently seen addictive substances
b. Psychiatric disorders seen related to these substances

10. Mood disorders

Educational aims:

a. Etiology, diagnosis, symptoms and treatment of mood disorders (both in depresive and bipolar mood disorders)

11. Anxiety disorders

Educational aims:

a. Etiology, diagnosis, symptoms and treatment of panic disorder, generelized anxiety disorder, social fobia and post-traumatic disorders which are the most frequently seen anxiety disorders

12. Psychiatric emergencies

Educational aims:

a. Differential diagnosis and treatment of pscyhiatric emergencies

13. Somatoform disorders, factitious disorders and simulation

Educational aims:

a. Differential diagnosis and treatment of somatoform disorders, factitious disorders and simulation

14. Eating and sleep disorders

Educational aims:

a. Etiology, diagnosis, symptoms and treatment of eating disorders like anorexia nervosa and bulimia nervosa and sleep disorders like parasomnias and dissomnias

15. Somatic therapies

Educational aims:

a. Overview of somatic therapies especially electro-convulsive therapy (ECT)

16. Dissociative disorders

Educational aims:

a. Etiology, diagnosis, symptoms and treatment of dissociative disorders like dissosiative amnesia, fugue and dissociative identity disorder

17. Sexual disfunctions, paraphilias and gender identity disorders

Educational aims:

a. Differential diagnosis and treatment of sexual disfuntions like vaginismus, prematür ejaculation, erektile disfunction; paraphilias and sexual identity disorders

18. Impulse-control and adjustment disorders

Educational aims:

a. Etiology, diagnosis, symptoms and treatment of impulse control disorders like intermittant explosive disorder, trichotillomania, kleptomania and adjustment disorders

19. Psychopharmacology

Educational aims:

a. Overwiev of anti-psychotic, anti-depressant, anxiolytic and mood-stabilizing agents used in psychiatric treatment

20. Forensic psychiatry

Educational aims:

a. Overwiev of important issues on the criminal code and civil code concerning psychiatry

21. Consultation-Liaison psychiatry and geriatic psychiatry

Educational aims:

a. Important issues on consultation psychiatry in general hospitals and differential diagnosis and treatment of these diseases
b. Overview of psychiatric disorders of the elderly and clinical approach to the elderly patients

22. Psychoterapies

Educational aims:

a. The evaluation of the psychoterapies in history and overview of therapy techniques

23. Child and adolescent psychiatry

Educational aims:

a. Overview of frequently seen disorders in child and adolescent psychiatry

24. Personality disorders

Educational aims:

a. Clinical evaluation and differential diagnosis of personality disorde

I. WEEK					
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRİDAY
08:40 – 09:30	PRACTICE	PRACTICE	PRACTICE	PRACTICE	PRACTICE
09:40 – 10:30	PRACTICE	PRACTICE	PRACTICE	PRACTICE	PRACTICE
10:40 – 11:30	PRACTICE	PRACTICE	PRACTICE	PRACTICE	PRACTICE
11:30 – 12:30	PRACTICE	PRACTICE	PRACTICE	PRACTICE	PRACTICE
13:40 – 14:30	Introduction to psychiatry and history of psychiatry Mecit ÇALIŞKAN,MD	Sings and symptoms in psychiatry Figen ATALAY,MD	Schizophrenia and other psychotic disorders I Figen ATALAY,MD	Substance abuse and related disorders Gonca ERKIRAN,MD	Anxiety disorders I Figen ATALAY,MD
14:40 – 15:30	Psychiatric ethics and patient-physician relations Mecit ÇALIŞKAN,MD	Diagnosis and classification of psychiatric disorders Mehmet ÜÇIŞIK,MD	Schizophrenia and other psychotic disorders II Figen ATALAY,MD	Mood disorders I Cem CERİT,MD	Anxiety disorders II Figen ATALAY,MD
15:40 – 16:30	Psychiatric interview and mental status examination Mecit ÇALIŞKAN,MD	Mental disorders due to a general medical condition Mecit ÇALIŞKAN,MD	Alcohol related disorders Gonca ERKIRAN,MD	Mood disorders II Cem CERİT,MD	Psychiatric emergencies Gonca ERKIRAN,MD
II. WEEK					

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRİDAY
08:40 – 09:30	PRACTICE	PRACTICE	PRACTICE	PRACTICE	PRACTICE
09:40 – 10:30	PRACTICE	PRACTICE	PRACTICE	PRACTICE	PRACTICE
10:40 – 11:30	PRACTICE	PRACTICE	PRACTICE	PRACTICE	PRACTICE
11:30 – 12:30	PRACTICE	PRACTICE	PRACTICE	PRACTICE	PRACTICE
13:40 – 14:30	Somatoform disorders, factitious disorders and simulation Figen ATALAY,MD	Dissociative disorders Mecit ÇALIŞKAN,MD	Psychopharmacology Cem CERİT,MD	Psychoterapies Cem CERİT,MD	PRACTİCE
14:40 – 15:30	Eating and sleep disorders Gonca ERKIRAN,MD	Sexual disfunctions, paraphilias and gender identity disorders Figen ATALAY,MD	Forensic psychiatry Mehmet ÜÇIŞIK,MD	Child and adolescent psychiatry Cem CERİT,MD	PRACTİCE
15:40 – 16:30	Somatic therapies Gonca ERKIRAN,MD	Impulse-control and adjustment disorders Cem CERİT,MD	Consultation-Liaison psychiatry and geriatic psychiatry Cem CERİT,MD	Personality disorders Cem CERİT,MD	PRACTİCE

YEDİTEPE UNIVERSITY FACULTY OF MEDICINE
OPHTHALMOLOGY (3 weeks)

Mehmet Levent Ailmgil, MD Prof.
Demir Başar, MD Prof.
Belkıs Ilgaz Yalvaç, MD Prof.
Ferda Ciftçi, MD Prof.
Sinan Tatlıpınar, MD Assoc. Prof..
Banu Öncel, MD Assist.Prof..
Canan Aslı Utine MD Assist.Prof..
Deniz Oral, MD Assist.Prof
Destan Nil Kulaçoğlu, MD Assist. Prof.
Ebru Görgün, MD Assist. Prof.
Muhsin Altunsoy, MD Assist. Prof.
Nursel Melda Yenerel, MD Assist.Prof.
Raciha Beril Küçümen, MD Assist.Prof.
Şule Ziylan, MD Assist. Prof.
Umut Aslı Dinç, MD Assist. Prof.
Vildan Öztürk, 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 Disturbances
Macular Degeneration and Retinal Distrphies
Retinal Detachment
Tumors of the Eye
Strabismus and Oculer Muscels
Ocular Traumata
Neuro –Ophthalmology
Ophthalmic Surgery

Anatomy and Methods of Examination

Learning Objectives:

1.The ocular anatomy
2.The main ophthalmic examination methods

You should be able to:

- To learn essentials of ocular anatomy

- To measure and record visual acuity
- To asses pupillary reflexes
- To evaluate ocular motility
- To use direct ophthalmoscope for fundus examination and assesment of the red reflex
- To evaluate visual fields by confrontation

Refractive Errors

Learning Objectives:

1.Emetropia
2.Hyrperopia
3.Myopia
4.Presbiyopia
5.Treatment

You should be able to:

As a primary care physician, basic knowledge on the refractive errors, their roles in decreased visual acuity and the means of correcting the refractive errors is essential.
After taking this class, the medical students should be able to know and interprete on:

- The refractive elements of the eye and emmetropisation process
- The classification and etiologies of refractive errors.
- The options in rehabilitation of the refractive errors of the eye; which include spectacles, contact lenses and different types of refractive surgery.

Diseases of the Eyelids and Orbit

Learning Objectives

1.Disesas of eyelids
    -Tumors
    -Infections
    -Malpositions
    -Motility problems
2.Diseases of the orbit
    -Inflamatory disorders
    -Diagnosis and differential diagnosis of orbital pathologies

You should be able to:

- To learn the definitions and clinical classifications of the benign lesions and malpositions of the eyelids, disorders of the eyelashes and eyelid tumors.
- To understand the etiological factors playing part in eyelid pathologies, to see examples of clinical findings and to understand the general principles of treatment.

- To know the general classificaton of the inflammatory and infectious disorders of the orbita.
- To learn the diagnostic approaches, differential diagnosis and principles of treatment in orbital pathologies.
- To see the clinical signs and to know the general treatment approaches to thyroid related orbitopathy.

Tear Film and Lacrymal Apparatus

Learning objectives

1.The tear-forming and tear-conducting system
-lacrimal glands,
-eyelid margins,
-conjunctival sac,
-tear drainage system.
2.Dry eye syndrome

-Symptoms;
- Detection and Diagnosis
- Causes.
-Treatment

3.Infections of Lacrimal Passages
-Symptoms;
- Detection and Diagnosis
- Causes.
Congenital nasolacrimal duct obstruction
Congenital dacryocele
Chronic canaliculitis
Dacryocystitis
--Treatment

You should be able to:

- Recognise lacrimal apparatus definition: The tear-forming and tear-conducting system which includes the lacrimal glands, eyelid margins, conjunctival sac, and the tear drainage system.
- How to examine glands in the upper eyelids which produce aqueous tears(the watery middle layer of the tear film)
- To obtain tear production system and tear film;
- To evaluate the nasolacrimal drainage system

Conjunctiva and Cornea

A.- Disorders of the conjunctiva

Learning objectives

1. Infections (various forms of conjunctivitis)
2. Allergic conjunctivitis
3. Degenerative lesions (Pterygium)
4. Pigmented lesions and tumours
5. Conjunctival hemorrhage and red eye

You should be able to:

- Describe the classification of conjunctivitis and forms of conjunctival infections
- Set out the major causes of conjunctivitis and their treatment
- Describe conjuctival hemorrhage, pterygium, red eye and their differential diagnosis

B- Disorders of the cornea

Learning objectives

1- Infections (keratitis)
2- Ectatic corneal diseases
3-. Dystrophies and degenerations
4- Corneal surgery

You should be able to:

- Describe the classification of keratitis and forms of corneal infections
- Set out the major causes of keratitis and their treatment
- Describe ectatic corneal diseases
- Describe different sorts of corneal surgery

Diseases of the Uveal tract

Learning objectives

1.Anatomy
2.Classification of uveitis
3.Clinical aspects of uveitis
4.Etiology of uveitis
5.Work-up for uveitis
6.Treatment

You should be able to:

- Describe the anatomy of the uveal tract.
- Describe the physiology of the uveal tract.
- Describe the possible pathologies of the uveal tract
- Describe the classification of uveitis related to the location
- Describe the classification of uveitis related to the onset of symptoms
- Describe the findings of uveitis.
- Also describe the classification of uveitis related to the location.
- Also describe the classification of uveitis related to the onset of symptoms
- Describe the clinical findings of the ophthalmological examination.
- Describe the etiology of uveitis.
- Set the major systemic diseases causing uveitis
- Describe the available treatment options

Diseases of the Lens

Learning objectives

1. Classification of lens diseases
2. Clinical aspects of lens diseases
3. Work-up for lens diseases
4. Treatment

You should be able to:

- Describe the anatomy of the lens
- Describe the physiology of the lens.
- Describe the classification of lens diseases and cataract.(congenital,traumatic,senile,toxic..)
- Describe the clinical findings of lens diseases.
- Describe the clinical findings of the ophthalmological examination
- Write down the appropriate investigations for systemic diseases causing cataract
- Write down the appropriate investigations for systemic diseases causing lens luxations.
- Also discuss the ancillary and diagnostic tests used in ophthalmology for the recognition of cataract
- Describe the ocular treatment mainly.

Glaucoma

Learning objectives

1.Description of glaucoma
2.Classification of glaucoma
3.Clinical astpects of glaucoma
4.Treatment modalities

You should be able to:

- Describe the glaucoma and its classification
- Interpret the common symptoms and signs of glaucoma and construct a differential diagnosis
- of glaucoma based on clinical presentations.
- Disscuss the genetical aspects of adult and congenital glaucoma
- Set out the principles of medical and surgical management of the glaucoma

Retinal Vascular Disturbances

Learning objectives:

1.Retinal vascular anatomy
2.Classification
3.Clinical aspects
4.Treatment modalities

You should be able to:

- To become familiar with the retinal anatomy and important landmarks.
- To recognize the ocular signs, symptoms and complications of the most common
- systemic diseases that are associated with retinal vascular pathologies, such as diabetes mellitus and hypertension.
- To be aware of retinopathy of prematurity and when to refer a premature baby to a an ophthalmologist.
- To determine when it is appropriate to refer a patient to an ophthalmologist for consultation or treatment.

Macular Degeneration and Retinal Distrophies

Learning objectives

1.Clinical aspects of macular degenerations and hereditary retinal dystrophies
2.Classification
3.Etiology
4.Treatment

You should be able to:

- Describe the classification of macular degenerations and hereditary retinal dystrophies
- Describe the findings of macular degenerations and hereditary retinal dystrophies
- Describe the clinical findings of the ophthalmological examination.
- Describe the known etiology of macular degenerations and hereditary retinal dystrophies
- Work-up for macular degenerations and retinal distrophies
- Discuss the ancillary and diagnostic tests used in ophthalmology for the recognition/diff. diagnosis of macular degenerations and hereditary retinal dystrophies.
- Treatment

Retinal Detachment

Learning Objectives

1-Anatomical consideration
2-Pathogenesis of tear formation
3-Importans of vitreo-retinal changes
4-Visual impairment due to detached retina

You should be able to:

- Answer what keeps the retina attached
- Describe anatomical alterations and mecanical forses leading to retinal breaks
- Understand the role of aging processes in vitreus and retina
- Know the fluid dynamics within the eye leading to detachment

Tumors of the Eye

Learning objectives

CONJUNCTIVA

- Conjunctival papilloma
- Conjunctival intraepithelial hyperplasia
- Conjunctival squamous cell carcinoma
- Epibulber choristoma
- Conjunctival Kaposi Sarcoma
- Conjunctival lymphoma
- Congenital ocular melanocytosis
- Primary acquired melanosis
- Conjunctival naevus
- Conjunctival melanoma

UVEA

- Iris melanoma
- Iris naevi
- Iris cysts
- Ciliary body melanoma
- Choroidal melanoma
- Circumscribed choroidal haemangioma
- Diffuse choroidal haemangioma
- Metastatic carcinoma
- Choroidal osseous choristoma
- Intraocular lymphoma
- Melanocytoma

RETINA

- Retinoblastoma
- Astrocytoma
- Capillary haemangioma
- Cavernous haemangioma
- Racemose haemangioma
- Congenital hypertrophy of the retinal pigment epithelium
- Combined hamartoma of the retinal pigment epithelium and retina

You should be able to:

- At the conclusion of this lecture, medical students should be able to provide an overview of all aspects of ocular tumors including;
- Terminology
- Classification of tumours
- Etiology, incidence
- Pathophysiology
- Clinical presentation
- Description of the lesion
- Systemic evaluation
- Associated syndromes
- Investigation
- Differential diagnosis
- Diagnostic
- Treatment –medical, surgical, radiotherapy, chemotherapy and palliation
- Prognosis, prognostic factors
- Genetic aspect Genetic counselling

Strabismus and Oculer Muscels

Learnining Objectives

Strabismus:
1.Esodeviations
    Infantile strabismus
    Accomodative Esotropia
    Non-accomodative Esotropia
    Incomitant Esotropia
2. Exodeviations
3.Vertical deviations
4.Special forms of strabismus
5.Treatment

You sholud be able to

- Explain clinical forms of strabismus, when and how it happened, which types of strabismus needs eye glasses and can be treated with eye glasses, which types of strabismus may need surgery, and the clinical aspects of the special forms of strabismus.

Ocular muscles:

1.Anatomy of eye muscles
2.Movement of eye muscles
3.Innervation of eye muscles

You should be able to

- Describe the anatomy of eye muscles and their innervations, explain the movement of the eyes,
- Muscle actions in gaze positions

Ocular Trauma

Learning Objectives:

1.Classification of ocular trauma
2.Clinical signs
3.The treatment in emergency room conditions

You should be able to:

- Recognize which problems are emergent or urgent and deal with them accordingly
- To obtain the sailent historical facts
- How to examine the traumatized eye
- To record the visual acuity as accurately as possible
- How to determine whether to manage or to refer the most common injuries

Neuro –Ophthalmology

Learning objectives

1.The classification of neuroophthalmologic diseases
2.The neuroophthalmologic examination methods
3.The clinical aspects of mean neuroophthalmologic diseases

You should be able to:

- To perform a basic neuro-ophthalmic examination and recognize and interpret the more common signs and symptoms of neuro-ophthalmic disorders.
- To examine pupillary reactions.
- To test the function of the extraocular muscles.
- To evaluate visual fields by confrontation.
- To inspect the optic nerve head by direct ophthalmoscopy and differentiate major alterations.

Ophthalmic surgery

Learning objectives

1.The surgical equipment
2.Cataract surgrey
3.Glaucoma surgery

4.Vitreoretinal surgery
5.Squint surgery
5.Refractive surgery

You should be able to:

- -To know the ophthalmic surgical equipment
- -To know the main principles of cataract surgery
- -To know the main principles of glaucoma surgery
- -To know the main principles of vitreoretinal surgery
- -To know the main principles of squint surgery
- -To know the main principles of refractive surgery

LÜTFİ KIRDAR KARTAL TRAINING AND RESEARCH HOSPITAL
OTORRHINOLARYNGOLOGY AND HEAD-NECK SURGERY CLINIC

Clinic II

ARİF ŞANLI, MD (CHAIRMAN)

SEDAT AYDIN, MD (VICE-CHAIRMAN)

MEHMET EKEN, MD (CHIEF RESIDENT)

MUSTAFA PAKSOY, MD

LECTURES

ENT examinations of the patients (MUSTAFA PAKSOY, MD)
Learning objectives:
You should:
Know how to examine the patients and to evaluate their findings,
Understand how to approach the patients to special disorders.
Know the main examination rules and equipments

Anatomy of Head and Neck (SEDAT AYDIN, MD)
Learning objectives
You should:
Know the basic anatomy and phsiology of the head and neck anatomy(icluding thyroid and parathyroid gland.
Know the anatomy and the triangles of the neck.

Diagnostic Imaging of the ENT Diseases (ARİF ŞANLI, MD)
Learning objectives:
You should:
Know the basic anatomic structures of ear nose and throat region.
Understand how to differentiate physiological and pathological conditions .

Anatomy of Temporal Bone (MUSTAFA PAKSOY, MD)
Learning objectives:
You should:
Know the basic anatomic structures and surgical landmarks in temporal bone
Know middle ear,facial nerve ,inner ear structures mastoid aerations and their importance

Neuro-physiology of inner ear (MUSTAFA PAKSOY, MD)
Learning objectives:

You should:

Know the phsiology of cochlea and vestibuler system
Know the main clinical features of inner ear
Learn the mechanism of the inner ear structures
Learn neural translations of sound energy to neural pathways

Diseases of the external ear (MUSTAFA PAKSOY, MD)

Learning objectives:

You should:

Know the basic anatomic structures and physiology
Learn how can we know external ear diseases
Know the treatment aproaches on the general and special cituations
Know manipulations of the special cituations and disorders.
Know how to manage benign and malign disorders

Otitis Media and its Complications (SEDAT AYDIN, MD)

Learning objectives

You should:

Know the pathophsiological and etiological conditions of the middle ear infections.
Know the main clinical features and investigation of the middle ear infections.
Understand how to approach the patient with pain in the ear, aural purulent discharge and hearing loss.
Know how to threat middle ear infections (medically or surgically).
Know the many complications to deal with the middle ear infections

Conductive Hearing Loss (MUSTAFA PAKSOY, MD)

Learning objectives:

You should:

Understand how we can know conductive hearing loses in clinical and laboratorical findings
Know the main clinical features of conductive hearing loss
Know the odyologic findings
Know the etyologic reason of conductive hearing loss

Anatomy and Diseases of the Facial Nevre (SEDAT AYDIN, MD)

Learning objectives

You should:

Know the basic anatomy and phsiology of the facial nerve.
Know the pathophysiological conditions of the facial nevre damage.
Know the main clinical features and investigation of the facial nevre disorders.
Understand how to approach the patient with a facial paralysis especially peripheral.
Know how to threat a patient with facial paralysis (medically or surgically).
Know the prognosis of the facial nevre disorders.

Cochleovestibular Disorders (ARİF ŞANLI, MD)

Learning objectives:

You should:

Know the basic anatomic structures of cochleovestibular area.
Know the clinical features and investigation of cochleovestibular disorders.
Learn how to approach the patient with cochleovestibular pathology.
Know how to manage cochleovestibular disorders medically or surgically.

Inner Ear Implants (ARİF ŞANLI, MD)

Learning objectives:

You should:

Know the pathophysiological and etiological conditions related with inner ear hearing loss.

Know how to approach the patient with this patient.

Know how to manage this patient medically or surgically.

Cerebellopontine angle masses and skull base surgery (ARİF ŞANLI, MD)

Learning objectives:

You should:

Know the basic anatomic structures and pathology of cerebellopontin angle and skull base.

Know the clinical features and investigation of cerebellopontin angle and skull base.

Understand how to approach the patient with cerebellopontin angle mass.

Know how to manage cerebellopontin angle masses surgically.

Anatomy of the Nose and Paranasal Sinuses (SEDAT AYDIN, MD)

Learning objectives

You should:

Know the basic anatomy and phsiology of the nose and paranasal sinuses.

Know the pathophysiological conditions of the sinonasal problems.

Acute and Chronic Sinusitis (SEDAT AYDIN, MD)

Learning objectives

You should:

Know the pathophsiological and etiological conditions of the sinusal problems.

Know the main clinical features and investigation of the sinus infections.

Understand how to approach the patient with nasal obstruction, nasal discharge and facial pain.

Know how to threat sinonasal infections (medically or surgically).

Know the many sinus procedures as well as functional endoscopic sinus surgery

Epistaxis (ARİF ŞANLI, MD)

Learning objectives:

You should:

Know the basic anatomic structures of nasal cavity.

Learn how to approach the patient with epistaxis.

Know how to manage epistaxis medically or surgically.

Anatomy, Physiology and Benign Disorders of Larynx (MEHMET EKEN MD)

Learning objectives:

You should:

Know the basic anatomic structures and physiology of larynx.

Know the clinical features and investigation of larynx.

Understand how to approach the patient with a mass in larynx.

Know how to manage benign laryngeal disorders medically or surgically.

Tracheotomy (MEHMET EKEN MD)

Learning objectives:
You should:

Know the basic anatomic structures of trachea.
Understand how to approach the patient with respiratory distress.
Know how to manage a patient with respiratory

Malign Disorders Of Larynx (MEHMET EKEN MD)

Learning objectives:
You should:

Know the pathophsiological and etiological conditions of the malign disorders
Know how to manage malign laryngeal disorders surgically.

Disorders Of Oropharynx and Nasopharynx (MEHMET EKEN MD)

Learning objectives:
You should:

Know the basic anatomic structures and physiology of oropharynx and nasopharynx.
Know the clinical features and investigation of oropharynx and nasopharynx
Understand how to approach the patient with a mass in oropharynx and nasopharynx.
Know how to manage benign and malign disorders of oropharynx and nasopharynx (medically or surgically).

Tumors of the oral cavity and Sinonasal Tract MUSTAFA PAKSOY, MD)

Learning objectives:
You should:

Know how to manage benign and malign disorders (medically or surgically).
Know the clinical features and investigation
Know the basic anatomic structures
Know the basic features of the oral cavity and paranasal sinus tumors
Learn clinical history and staging of these tumors
Understand how to approach the patients with oral cavity and paranasal sinuses

Neck Masses And Head And Neck Tumors (MEHMET EKEN MD)

Learning objectives:
You should:

Know the basic anatomic structures and physiology of neck.
Know the clinical features and investigation of neck
Understand how to approach the patient with a mass in head and neck.
Know how to manage benign and malign disorders of head and neck(medically or surgically).

Deep Neck Infections (MEHMET EKEN MD)

Learning objectives:
You should:

Know the basic anatomic structures and physiology of head and neck fascia planes
Know the clinical features and investigation of deep neck infections
Understand how to approach the patient with infection in head and neck.
Know how to manage deep neck infections.

Maxillofacial Trauma (ARİF ŞANLI MD)

Learning objectives:

You should:

Know the basic anatomic structures of maxillofacial region.

Learn how to approach the patient with maxillofacial trauma.

Know how to manage maxillofacial trauma medically or surgically.

Salivary Gland Disorders (SEDAT AYDIN, MD)

Learning objectives

You should:

Know the basic phsiology and pathophsiological conditions of the salivary gland disorders

Know the main clinical features and investigation of salivary gland disorders

Understand how to approach the patient with " a lump in the parotis or submandibular gland.

Know how to threat salivary gland disorsers medically or surgically.

Know how to deal with overall salivary gland enlargement.

LECTURES

ENT examination of the patient
Anatomy of Head and Neck
Diagnostic Imaging of the ENT Diseases
Anatomy of Temporal Bone
Neuro-Physiology of the Inner Ear
Diseases of the External Ear
Otitis Media and its Complications
Conductive Hearing Loss
Anatomy and Diseases of the Facial Nevre
Cochleo-Vestibular Disorders
Inner Ear Implants
Acoustic Neuroma and Skull Base Surgery
Anatomy of the Nose and Paranasal Sinuses
Acute and Chronic Sinusitis
Epistaxis
Anatomy-Physiology and Benign Disorders of Larynx
Tracheotomy
Malignant Diseases of the Larynx
Diseases of Oropharynx and Nasopharynx
Tumors of the Oral Cavity and Sinonasal Tract
Neck Masses and Head-Neck Tumors
Deep Neck Infections
Maxillo-Facial Trauma
Salivary Gland Disorders

PHASE V

FIRST WEEK

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08.30-09.20	Practical lectures	Practical lectures	Practical lectures	Practical lectures	Practical lectures
09.30-10.20	Clinical practise and training at patient bedside	Clinical practise and training at patient bedside	Clinical practise and training at patient bedside	Clinical practise and training at patient bedside	Clinical practise and training at patient bedside
10.30-11.20	Practical lectures	Practical lectures	Practical lectures	Practical lectures	Practical lectures
11.30-12.20	ENT EXAMİNATİON OF THE PATIENTS	DİAGNOSTİC İMAGİNG OF THE ENT DISEASES	ANATOMY OF THE HEAD AND NECK	DİSEASE OF OROPHARYNX AND NASOPHARYNX	DİSEASES OF THE EXTERNAL EAR
13.30-14.20	ANATOMY OF THE NOSE AND ENDOSCOPİC SİNUS SURGERY	EPİSTAXİS	ACUTE AND CHRONİC SINUSITIS	DEEP NECK İNFECTİONS	TUMORS OF ORAL CAVITY AND SINONASAL TRACT
14.30-15.20	Practical lectures	Practical lectures	Practical lectures	Practical lectures	Practical lectures

SECOND WEEK

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08.30-09.20	Practical lectures	Practical lectures	Practical lectures	Practical lectures	Practical lectures
09.30-10.20	Clinical practise and training at patient bedside	Clinical practise and training at patient bedside	Clinical practise and training at patient bedside	Clinical practise and training at patient bedside	Clinical practise and training at patient bedside
10.30-11.20	Practical lectures	Practical lectures	Practical lectures	Practical lectures	Practical lectures
11.30-12.20	ANATOMY-PHYSİOLOGY AND BENIGN DISORDERS OF LARYNX	SALIVARY GLAND DISORDERS	TRACHEOTOMY	ANATOMY OF THE TEMPORAL BONE	INNER EAR IMPLANTS
13.30-14.20	MALİGNANT DİSEASE OF THE LARYNX	NECK MASSES AND HEAD AND NECK TUMORS	MAXİLLOFACİAL TRAUMA	NEUROPHY SİOLOGY OF İNNER EAR	OTİTİS MEDİA AND ITS COMPLİCATIONS
14.30-15.20	Practical lectures	Practical lectures	Practical lectures	Practical lectures	Practical lectures

THIRD WEEK

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08.30-09.20	Practical lectures	Practical lectures	Practical lectures	Practical lectures	
09.30-10.20	Clinical practise and training at patient bedside	Clinical practise and training at patient bedside	Clinical practise and training at patient bedside	Clinical practise and training at patient bedside	
10.30-11.20	Practical lectures	Practical lectures	Practical lectures	Practical lectures	THEORETİCAL EXAMINATION
11.30-12.20	ANATOMY AND DİSEASES OF THE FACİAL NERVE	COCHLEOVESTİBULAR DISORDERS	Practical lectures	Practical lectures	
13.30-14.20	CONDUCTIVE HEARING LOSS	ACOUSTİC NEUROMA AND SKULL BASE SURGERY	Practical lectures	Practical lectures	PRACTISE EXAMINATION
14.30-15.20	Practical lectures	Practical lectures	Practical lectures	Practical lectures	

YEDITEPE UNIVERSITY FACULTY OF MEDICINE & SSK GOZTEPE HOSPITAL

PEDIATRIC SURGERY DEPARTMENTS

PEDIATRIC SURGERY (2 WEEKS)

Hamit Okur, MD Prof. (CC)

Selami Sözübir, MD Assoc. Prof. (CC)

Çiğdem Ulukaya-Durakbaşa, MD Assoc. Prof.

Varol Şehiraltı, MD

A Nadir Tosyalı, MD

Murat Mutuş, MD

- **Definition**

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

- **Aims**

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

- **Educational Goals**

The 5th year program in Pediatric Surgery is intended to build on students' knowledge of surgical principles and the practice of General Surgery and Pediatrics acquired in years 1-4, and to introduce the student to the surgical treatment of diseases of the following parts of the childrens body: the head and neck, digestive tract, the skin, the soft tissues, the genitourinary tract and the respiratory tract .

Students are expected to continue to demonstrate their mastery of learning objectives in the domains of Learning Skills, Clinical Skills, Practical Skills and Principles of Surgery.

- **Educational Objectives**

Clinical Skills

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

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

Cognitive Knowledge

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

- Common pediatric surgical and urological problems in the emergency department
- The "Acute Abdomen" in children (acute appendicitis, acute gastroenteritis, bowel obstruction, intussusception, malrotation and volvulus etc.)
- Hernias and common surgical problems of inguinal region inguinal
- Rectal bleeding in children (fissure-in-ano, juvenile polyp, Meckel's diverticulum, medical conditions that may cause rectal bleeding)
- Common anorectal problems
- The constipated child
- Non-bilious and bilious vomiting in children (pyloric stenosis, gastroesophageal reflux and intestinal obstructions)
- The abdominal mass and solid tumors in childhood (Wilms tumor, neuroblastoma, etc.)

- Common neonatal surgical conditions (neonatal intestinal obstruction, & gastroschisis, necrotizing enterocolitis, imperforate anus, abdominal masses)
- Trauma (general approach to the multiply injured child)
- Prenatal diagnosed disease related to pediatric general and urological conditions
- Common pediatric urological conditions
- Surgical aspects in urinary tract infections in childhood
- Surgical fluid and electrolyte hemostasis
- Congenital anomalies of genito-urinary tract

- **Format**

Students complete 2-week rotation.

Activity	**Numbers**
Lectures	24
Practice	21
Student Seminars	4
Interactive Case Studies	6
Total	57

PEDIATRIC SURGERY

PHASE V PROGRAMME

1st Week

Monday.

9.00-10.00	Grand Round
10.00- 11.00	Practice Çiğdem Ulukaya-Durakbaşa
11.15-12.00	Lecture (Child and Surgery) Selami Sözübir
13.15-14.00	Lecture (Fluid and electrolyte balance in pediatric surgery) Çiğdem Ulukaya-Durakbaşa
14.15-15.00	Lecture (Prenatal Diagnosis in Pediatric Surgery and Urology) Çiğdem Ulukaya-Durakbaşa
15.15-16.00	Practice Çiğdem Ulukaya-Durakbaşa

Tuesday

9.00-10.00	Grand Round
10.00- 11.00	Practice Selami Sözübir
11.15-12.00	Lecture (Hisrschprung Disease and Constipation)Varol Şehiraltı
13.15-14.00	Lecture (Surgical GI Abnormalities in Childhood- I)Varol Şehiraltı
14.15-15.00	Lecture (The Newborn as a Surgical Patient)Varol Şehiraltı
15.15-16.00	Practice Varol Şehiraltı

Wednesday

9.00-10.00	Grand Round
10.00- 11.00	Practice A Nadir Tosyalı
11.15-12.00	Lecture (Abdominal Wall Defects and Umbilical Pathologies) Selami Sözübir
13.15-14.00	Lecture (GI bleeding in Childhood-I) A Nadir Tosyalı
14.15-15.00	Lecture(Congenital Diaphragmatic hernia and evantration)A Nadir Tosyalı

15.15-16.00	Interactive Case Studies-I (newborn with green vomiting) A Nadir Tosyalı

Thursday

9.00-10.00	Grand Round
10.00- 11.00	Practice Hamit Okur
11.15-12.00	Lecture (Voiding dysfunction and urinary incontinence)Hamit Okur
13.15-14.00	Lecture (Inguinal and Scrotal Pathologies in Childhood -I)Hamit Okur
14.15-15.00	Lecture (Inguinal and Scrotal Pathologies in Childhood - II)Hamit Okur
15.15-16.00	Interactive Case Studies- II (child with urinary obstruction) Hamit Okur

Friday

9.00-10.00	Grand Round
10.00- 11.00	Practice Murat Mutuş
11.15-12.00	Lecture (Solid tumors in childhood)Murat Mutuş
13.15-14.00	Lecture (Pediatric Trauma -I)Hamit Okur
14.15-15.00	Lecture (Pediatric Trauma -II)Hamit Okur
15.15-16.00	Interactive Case Studies-III (child with inguinal mass) Selami Sözübir

2nd Week

Monday

9.00-10.00	Grand Round
10.00- 11.00	Practice A Nadir Tosyalı
11.15-12.00	Lecture (Head and Neck Masses in childhood) A Nadir Tosyalı
13.15-14.00	Lecture (Acute Abdomen in Childhood -I)A Nadir Tosyalı
14.15-15.00	Lecture (Acute Abdomen in Childhood -II)A Nadir Tosyalı

15.15-16.00 Interactive Case Studies- IV (child with abdominal mass) A Nadir Tosyalı

Tuesday

9.00-10.00 Grand Round

10.00- 11.00 Practice Çiğdem Ulukaya-Durakbaşa

11.15-12.00 Lecture (Thoracal and chest wall abnormalities)Çiğdem Ulukaya-Durakbaşa

13.15-14.00 Lecture (Nonobstructive Pathologies of GU Tract in Chidhood)Çiğdem Ulukaya Durakbaşa

14.15-15.00 Lecture (Obstructive Pathologies of GU Tract in Chidhood) Selami Sözübir

15.15-16.00 Practice Çiğdem Ulukaya-Durakbaşa

Wednesday

9.00-10.00 Grand Round

10.00- 11.00 Practice Murat Mutuş

11.15-12.00 Lecture (Surgical Jaundice in Childhood)Murat Mutuş

13.15-14.00 Lecture (Abnormalities of External Genitalia in Childhood) Selami Sözübir

14.15-15.00 Lecture (Anorectal Malformations)Murat Mutuş

15.15-16.00 Interactive Case Studies-V (child with bloody defecation) Murat Mutuş

Thursday

9.00-10.00 Grand Round

10.00- 11.00 Seminars of students Varol Şehiraltı

11.15-12.00 Seminars of students Varol Şehiraltı

13.15-14.00 Practice Varol Şehiraltı

14.15-15.00 Practice Selami Sözübir

Friday

9.00-10.00 Theoretical Examination

10.00- 11.00 Evaluation of results

11.00-13.00 Practical Examination

PHASE V

HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL
NEUROSURGERY (3 WEEKS)
EDUCATIONAL PROGRAM

LECTURE	LECTURER
Head Injures 1	Tayfun Hakan MD.
Head Injures 2	Tayfun Hakan MD.
Pediatric İnjures	Tayfun Hakan MD.
Emergencies in Neurosurgery	Tayfun Hakan MD.
CNS İnfections	Tayfun Hakan MD.
Pineal Tumors	Tayfun Hakan MD.
Pediatric Brain Tumors	Tayfun Hakan MD.
Neuroepithelial Tumors	Tayfun Hakan MD.
Pontocerebellar Angle Tumors	Tayfun Hakan MD.
Surgical Anatomy of CNS	Kaya Kılıç MD.
Closed Spinal Disraphism	Kaya Kılıç MD.
Open Spinal Disraphisim	Kaya Kılıç MD.
Encephaloceles	Kaya Kılıç MD.
Craniosynostosis	Kaya Kılıç MD.
Pituitary Adenomas	Kaya Kılıç MD.
Subarachnoid Haemorrhage	Metin Orakdöğen MD.
Aneurysms	Metin Orakdöğen MD.
Cranial AVM's	Metin Orakdöğen MD.
Spinal AVM's	Metin Orakdöğen MD.
Benign Intracranial Cysts	Metin Orakdöğen MD.
Hydrocephalus	Metin Orakdöğen MD.
Raised İntracranial Pressure Sd.	Metin Orakdöğen MD.
Surgical Treatment of Pain	Metin Orakdöğen MD.
Syringomyelia	Metin Orakdöğen MD.
Surgical Treatment of Epilepsy	Hakan Somay MD.
Cervical Spinal Cord Injuries	Hakan Somay MD.
Spinal Cord Compression Sd.	Hakan Somay MD.
Thoracic and Spinal Cord Injuries	Hakan Somay MD.
Cervcal Disc Herniations	Hakan Somay MD.
Lomber Disc Herniations	Hakan Somay MD.
Introduction to Brain Tumors	Mehmet Erşahin MD
Peripheral Nerve Injuries	Mehmet Erşahin MD
Diagnostic Procedures 1	Mehmet Erşahin MD
Diagnostic Procedures 2	Mehmet Erşahin MD
Pediatric Spinal Cord Tumors	Mehmet Erşahin MD
Adult Spinal Cord Tumors	Mehmet Erşahin MD
Stereotaxic Neurosurgery	Mehmet Erşahin MD
Pseudotumor Cerebri	Aydın Aydoseli MD.
Surgery of Cerebrovasculer Disorders	Aydın Aydoseli MD.
Meningiomas	Aydın Aydoseli MD.
Chiari Malformations	Cezmi Çağrı Türk MD.
Craniovertebral Junction Abnormalities	Cezmi Çağrı Türk MD.
Orbital Tumors	Cezmi Çağrı Türk MD.

PHASE V

NEUROSURGERY DAILY SCHEDULE

08.00-10.00	Grand round and case meeting
10.00-11.00	Lecture 1
11.00-12.00	Clinical practice and training at patient bedside
13.00-14.00	Lecture 2
14.00-15.00	Lecture 3
15.00-16.00	Clinical practice and training at patient bedside

PHASE V

YEDITEPE UNIVERSITY FACULTY OF MEDICINE
ORTHOPAEDICS AND TRAUMATOLOGY (3 WEEKS)

1. WEEK

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08.00-09.00	Introduction to Orthopaedics Faik Altıntaş, MD. Prof.	Student Presentation Clinical Visit Preop-x ray round	Student Presentation Clinical Visit Preop-x ray round	Student Presentation Clinical Visit Preop-x ray round	Student Presentation Clinical Visit Preop-x ray round
09.00-12.00	Operation / Policlinics	Operation / Policlinics	Operation / Policlinics	Operation / Policlinics	Operation / Policlinics
12.00-13.00	LUNCH BREAK				
13.00-14.00	Pediatric Examination	Knee Examination	Hip Examination	Upper Extremity Examination	Spine Examination
14.00-17.00	Fractures of Children; Treatment of Perthes Disease and Avascular Bone Necrosis Muharrem İnan MD. Assoc. Prof.	Pelvis Fractures Acetabular Fractures Open Fractures Tahsin Beyzadeoğlu MD. Assoc. Prof.	Basic Principles of Fractures and Fracture Healing; Osteomyelitis and Septic Arhtritis Faik Altıntaş, MD. Prof.	Dislocations and Fractures of the Lower Extremity Halil İ. Bekler MD. Asist. Prof.	Disorders of the Foot; Spinal Trauma Çağatay Uluçay MD. Asist. Prof.

2. WEEK

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08.00-09.00	Student Presentation Clinical Visit Preop-x ray round	Student Presentation Clinical Visit Preop-x ray round	Student Presentation Clinical Visit Preop-x ray round	Student Presentation Clinical Visit Preop-x ray round	Student Presentation Clinical Visit Preop-x ray round

09.00-12.00	Operation / Policlinics	Operation / Policlinics	Operation / Policlinics	Operation / Policlinics	Bandage and Cast Applications (OSCE)
12.00-13.00	LUNCH BREAK				
13.00-17.00	Metabolic Bone Diseases; Developmental Dysplasia of the Hip Muharrem İnan MD. Assoc. Prof.	Shoulder Instability Cartilage Biology and Injuries Tahsin Beyzadeoğlu MD. Assoc. Prof.	Cerebral Palsy Faik Altıntaş, MD. Prof.	Microvascular Surgery and Replantations Halil İ. Bekler MD. Asist. Prof.	Scoliosis, Kyphosis, Lomber Disc Herniation and Degenerative Spine Çağatay Uluçay MD. Asist. Prof.

3. WEEK

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08.00-09.00	Student Presentation Clinical Visit Preop-x ray round	Student Presentation Clinical Visit Preop-x ray round	Student Presentation Clinical Visit Preop-x ray round	Student Presentation Clinical Visit Preop-x ray round	Student Presentation Clinical Visit Preop-x ray round
09.00-12.00	Operation / Policlinics	Operation / Policlinics	Operation / Policlinics	Operation / Policlinics	Written Examination
12.00-13.00	LUNCH BREAK				
13.00-17.00	PEV and Lower Extremity Congenital Anomalies Muharrem İnan MD. Assoc. Prof.	Bening Bone Tumors Malign Bone Tumours Tahsin Beyzadeoğlu MD. Assoc. Prof.	Osteoarthritis and Arthroplasty Faik Altıntaş, MD. Prof.	Upper Extremity Congenital Anomalies; Upper Extremity Fractures Halil İ. Bekler MD. Asist. Prof.	Oral Examination

HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL
NEUROLOGY (3 Weeks)

Approach to Neurological Patient I-II

Learning Objectives

You should be able to

- Symptoms and signs of neurological ill patient
- How to approach diagnosis
- Make differential diagnosis

Pyramidal, extrapyramidal, cerebellar systems

Learning Objectives

You should be able to

- Important anatomical pathways and connections of these systems

Cerebral lobes

Learning Objectives

You should be able to

- Anatomy of brain and cerebellum

Coma

Learning Objectives

You should be able to

- Approach to comatouse patient in emergency room
- Apply the first line examination
- Make the differential diagnosis
- Learn the ethiology and the treatment of coma

Headaches

Learning Objectives

You should be able to

- Clinical features of headache syndromes
- Make the differential diagnosis
- Classify headache syndromes
- Treatment of headache

Myasthenia Gravis and the other neuromuscular junction disorders

Learning Objectives

You should be able to

- Learn how to diagnose Myasthenia Gravis and the other neuromuscular junction disorders
- How to diagnose Neuromuscular emergencies
- Learn etiology
- Treatment of NM emergencies
- Neonatal and congenital myasthenic syndromes

Muscle diseases

Learning Objectives

You should be able to

- Classification of muscle diseases
- Inherited and aquired muscle disease
- Treatment of muscle diseases
- Emergency of these disorders

Motor neuron diseases

Learning Objectives

You should be able to

- Classification of diseases that involve motor neurons
- As a prototype ALS
- Prognosis and treatment strategy of ALS

Polyneuropathies

Learning Objectives

You should be able to

- Know how to approach to patient with polyneuropathy
- Classification of polyneuropathies
- Make differential diagnosis
- Treatment of polyneuropathies

Examination of eye movements

Learning Objectives

You should be able to

- Learn anatomy and function of ocular motor nerves
- Understand the causes and differential diagnosis

Neurological examination

Learning Objectives

You should be able to

- Examination of motor, extrapyramidal, cerebellar systems
- Examination of reflexes
- Examination mental status

Headache

Learning Objectives

You should be able to

- Differential diagnosis of primary and secodary headaches
- Treatment of headaches
- Headache in emergency room

Emergency states in neurology

Learning Objectives

You should be able to

- Approach to emergency states of neurologic disorders

- Learn the differential diagnosis of emergent status
- Treatment of emergency states of neurologic disorders

Speech disorders

Learning Objectives

You should be able to

- Know how to approach cortical and subcortical aphasias
- Understand lesion localisation
- Make the differential diagnosis

Fundoscopic examination and clinical utilisation

Learning Objectives

You should be able to

- Evaluation of fundus
- Causes of optic neuritis
- Approach to intracranial hypertension

Neuroradiology

Learning Objectives

You should be able to

- Basic principles of CT and MRI
- Angiography and clinical utility

Neuromuscular disease

Learning Objectives

You should be able to

- Learn physiology of the peripheral nerves, neuromuscular junction and muscles
- Approach to polyneuropathy
- Approach to myopathy and neuromuscular junction diseases

Lumbar punction and clinical utility

Learning Objectives

You should be able to

- Learn physiology of cerebrospinal fluid
- How to do lumbar punction
- Clinical use of lumbar punction in neurological disease

Examination of motor and sensorial pathways

Learning objectives

You should be able to

- Know how to examine motor and sensorial pathways of a patient with neurological disease.

Examination of cranial nerves

Learning objectives

You should be able to

- Examine cranial nerves
- Know the anathomy and the diseases of the cranial nerves
- Know how to aproach patient with a cranial nerve disorder

Aproach to extrapyramidal disorders

Learning objectives

You should be able to

- Know how to diagnose extrapyramidal disorders.
- Learn the clinical features and differential diagnosis of extrapyramidal disorders

Mental diseases

Learning objectives

You should be able to

- Know how aproach a patient with a mental disease
- Make the differential diagnosis
- Learn the clinical features,etiolggy and treatment of mental diseses

Cerebrovascular Diseases

Learning objectives

You should be able to

- Know how to diagnose cerebrovascular diseases ,
- Make classification of cerebrovascular diseases
- Learn the etiology and the treatment of cerebrovascular diseases

Examination of an aphasic patient

Learning objectives

You should be able to

- Know how to aproach an aphasic patient,
- Make classification
- Learn the the anathomical pathways of aphasia

Acute cofusional state

Learning objectives

You should be able to

- Know how to approach a patient with acute confusional state,
- Make differential diagnosis
- Learn the ethiology and the treatment of acute confusional states

Multiple sclerosis

Learning objectives

You should be able to

- Know the clinical features of multiple sclerosis,
- Make the differential diognosis
- Learn the ethiology,
- Treat the patient with an acute attack
- Learn long term teratment principles.
-

Aproach to a patient with behavior disorders

Learning objectives

You should be able to

- Know how to examine a patient with behavior disorder
- Make differential diognosis
- Treat a patient with behavioral disorders

Parkinson's disease

Learning objectives

You should be able to

- Know the clinical features of Parkinson's disease
- Make differential diagnosis
- Learn the ethiology
- Treat a patient with Parkinson's Disease.

Epilepsy

Learning objectives

You should be able to

- Know the clinical features of epilepsy
- Make the differential diagnosis,
- Classify epilepsy
- Learn etiology
- Treat a patient with epilepsy

Status Epilepticus.

Learning objectives

You should be able to

- Know how to examine a patient with status epilepticus
- Know clinical features of status epilepticus
- Make the differential diognosis
- Classify
- Learn etiology,
- Treat the patient with status epilepticus

Approach to paraplegic patient

Learning objectives

You should be able to

- Know how to examine a patient with paraplegia
- Know the clinical features of paraplegia
- Make the differential diognosis
- Learn the classification and etiology

CNS infections

Learning objectives

You should be able to

- Know how to examine a patient with CNS infection
- Know the clinical features of CNS infections
- Make the differential diognosis
- Learn the etiology

Treatment of paraplegia

Learning objectives

You should be able to

- Know how to treat a paraplegic patient

Dementia

Learning objectives

You should be able to

- Know how to examine a patient with dementia
- Know the clinical features
- Make differential diagnosis
- Learn etiology
- Treat patients with dementia

Case presentation

Learning objectives

You should be able to

- Aproach different neorolgıcal patients
- Examine patients and make differential diagnosis

Lectures:

1- Approach to neurological ill patient I
2- Approach to neurological ill patient II
3- Pyramidal, extrapyramidal, cerebellar systems
4- Cerebral lobes
5- Cranial nerves
6- Coma
7- Headache

8- Acute confusional state
9- Cerebrovascular diseases
10- Parkinson and Extrapyramidal system disorders
11- Multiple Sclerosis and demyelinating disorders
12- Epilepsy
13- CNS infections
14- Myasthenia Gravis ve Neuromuscular junction disorders
15- Muscle diseases
16- ALS and motor neuron diseases
17- Polyneuropathies

Seminars:

1. examination of eye movements
2. neurological examination
3. headache
4. emergency states in neurology
5. speech disorders
6. funduscopic examination and clinical utilisation
7. neuroradiology
8. neuromuscular disease
9. lumbar punction and clinical utility
10. examination of motor and sensory pathways
11. examination of cranial nerves
12. approach to extrapyramidal disorders
13. mental disease
14. examination of an aphasic patient
15. approach to a patient with behaviorial disorders
16. status epilepticus
17. approach to paraplegic patient
18. treatment of paraplegia

Case presentation x 4 hrs

Groundround x 12 hrs

Outpatient clinics x 20 hrs

Pratic x 20 hrs

Emergency x 1 night/ per person

LÜTFİ KIRDAR KARTAL TRAINING AND RESEARCH HOSPITAL
UROLOGY
(3 weeks)

1. Day

09.00-09.45	LESSON	Symptoms of the Disorders of the Genitourinary Tract	Selami Albayrak,MD Prof.
10.00-10.45	LESSON	Urological Laboratory Examination	Cemal Göktaş,MD
11.00-11.45	LESSON	Instrumantation and Endoscopic Studies	Cemal Göktaş, MD

2. Day

09.00-09.45	LESSON	Urologic Diseases which need Early Diagnosis	Selami Albayrak, MD
10.00-10.45	LESSON	Urological Emergencies	Cemal Göktaş, MD
11.00-11.45	LESSON	Prostat Cancer	Önder Cangüven, , MD

3. Day

09.00-09.45	LESSON	Benign Prostatic Hyperplasia	Cemal Göktaş, MD
10.00-10.45	LESSON	Prostatic Diseases-Prostatitis	Cemal Göktaş, MD
11.00-11.45	LESSON	Anatomy of the Genitourinary Tract	Önder Cangüven,MD

4. Day

09.00-09.45	LESSON	Incontinence	Selami Albayrak, MD
10.00-10.45	LESSON	Nonspesific Infections of the Genitourinary Tract	Önder Cangüven,MD
11.00-11.45	LESSON	Spesific Infections of the Genitourinary Tract	Cemal Göktaş, MD

5. Day

09.00-09.45	LESSON	Vesicoureteral Reflux	Cemal Göktaş, MD
10.00-10.45	LESSON	Renal Neoplasms	Önder Cangüven,MD
11.00-11.45	LESSON	Disorders of the Penis	Cemal Göktaş,MD

6. Day

09.00-09.45	LESSON	Radiology of the Genitourinary Tract	Gökhan Faydacı,MD
10.00-10.45	LESSON	Invasive Uroradiology	Gökhan Faydacı,MD
11.00-11.45	LESSON	Tumors of the Testis	Gökhan Faydacı,MD
13.00-13.45	PRACTISE	Medical History and Physical Examination	Aydın Özgül,MD
14.00-14.45	PRACTISE	Medical History and Physical Examination	Aydın Özgül,MD
15.00-15.45	PRACTISE	Laboratory	Aydın Özgül,MD

7. Day

09.00-09.45	LESSON	Urodynamic Studies	Fatih Tarhan,MD
10.00-10.45	LESSON	Male Sexual Dysfunctions	Fatih Tarhan,MD
11.00-11.45	LESSON	Female Sexual Dysfunctions	Fatih Tarhan,MD
13.00-13.45	PRACTISE	Urodynamic Studies	Fatih Tarhan,MD
14.00-14.45	PRACTISE	Urodynamic Studies	Fatih Tarhan,MD
15.00-15.45	PRACTISE	Polyclinic	Fatih Tarhan,MD

8. Day

09.00-09.45	LESSON	Sexually Transmitted Diseases	Fatih Tarhan,MD
10.00-10.45	LESSON	Male Infertility	.Bilal Eryıldırım,MD
11.00-11.45	LESSON	Male Infertility	Bilal Eryıldırım,MD
13.00-13.45	PRACTISE	Uroradyology	Gökhan Faydacı,MD
14.00-14.45	PRACTISE	Uroradyology	Gökhan Faydacı,MD
15.00-15.45	PRACTISE	Uroradyology	Gökhan Faydacı,MD

9. Day

09.00-09.45	LESSON	Urinary Stone Disease	Doç. Dr.Uğur Kuyumcuoğlu
10.00-10.45	LESSON	Urinary Stone Disease	Doç. Dr.Uğur Kuyumcuoğlu
11.00-11.45	LESSON	Urinary Obstruction&Stasis	Doç. Dr.Uğur Kuyumcuoğlu
13.00-13.45	PRACTISE	Polyclinic	Doç. Dr.Uğur Kuyumcuoğlu
14.00-14.45	PRACTISE	Polyclinic	Doç. Dr.Uğur Kuyumcuoğlu
15.00-15.45	PRACTISE	Polyclinic	Doç. Dr.Uğur Kuyumcuoğlu

10.Day

09.00-09.45	LESSON	Acute Renal Failure	Uğur Kuyumcuoğlu, MD Assoc.Prof.
10.00-10.45	LESSON	Chronic Renal Failure and Transplantation	Uğur Kuyumcuoğlu, MD Assoc.Prof.
11.00-11.45	LESSON	Scrotal and related Diseases	Aydın Özgül,MD
13.00-13.45	PRACTISE	Operating Room	Bilal Eryıldırım,MD
14.00-14.45	PRACTISE	Operating Room	Bilal Eryıldırım,MD
15.00-15.45	PRACTISE	Operating Room	Bilal Eryıldırım,MD
15.00-15.45	PRACTISE	Uroflowmetry	Fatih Tarhan,MD

11. Day

09.00-09.45	LESSON	Urogenital Trauma	Cemal Göktaş, MD
10.00-10.45	LESSON	Diseases of the Urethra	Önder Cangüven,MD
11.00-11.45	LESSON	Neuropatic Bladder Disorders	Cemal Göktaş,MD

12. Day

09.00-09.45	LESSON	Urologic Problems in Pregnancy	Selami Albayrak, MD
10.00-10.45	LESSON	Disorders of Adrenal Glands	Cemal Göktaş, MD
11.00-11.45	LESSON	Future in Urology	Selami Albayrak, MD

13. Day

09.00-09.45	LESSON	Congenital Diseases of Kidney	Bilal Eryıldırım,MD
10.00-10.45	LESSON	Diseases of Ureter	Bilal Eryıldırım,MD
11.00-11.45	LESSON	Diseases of Retroperitoneum	Gökhan Faydacı,MD
13.00-13.45	PRACTISE	Cystoscopi	Gökhan Faydacı,MD
14.00-14.45	PRACTISE	Cystoscopi	Gökhan Faydacı,MD
15.00-15.45	PRACTISE	Uroflowmetry	Fatih Tarhan,MD

14. Day

09.00-09.45	LESSON	Congenital Diseases of Bladder	Aydın Özgül,MD
10.00-10.45	LESSON	Urothelial Tumors	Aydın Özgül,MD
11.00-11.45	LESSON	Urothelial Tumors	Aydın Özgül,MD
13.00-13.45	PRACTISE	Operating Room	Aydın Özgül,MD
14.00-14.45	PRACTISE	Operating Room	Bilal Eryıldırım,MD
15.00-15.45	PRACTISE	Operating Room	Bilal Eryıldırım,MD

PHASE V

MARMARA UNIVERSITY FACULTY OF MEDICINE
FORENSIC MEDICINE
(1,5 week)

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

Forensic Medicine Clerkship program goals

The goal of this program is to develop skills to practice forensic cases.

The goals are:

- To provide context to the basic forensic practice.
- To acquire knowledge and skill in dealing with both clinical and autopsy practice.
- To acquire knowledge about legal procedures related to medical practices.

Th objectives are:

- The student should acquire a knowledge and understanding of legal cases.
- Demonstrate essential skill in evaluating legal cases.
- Should be able to write a legal report properly.
- Shouls be able to evaluate basic autopsy procedures and macsoscopic pathology.

Basic Topics:

Somatic death
Brain Stem Death and Organ Transplantation
Post mortem changes
Identification
Medico-Legal Autopsy
Time of Death
Asphyxial Deaths
Bodies Recovered from Water
Wounds
Gunshot Wounds
Head Injury
Human righs violation
Child abuse and neglect
Injury and Death in Childhood, SIDS
Drug-Related Deaths
Alcohol and Alcoholism
Sexual Offences

Time	2009	2009	2009	2009	2009
09:00-09:45	Child Rights I. Polat O. MD.	Sexual Offences Polat O. MD.	Forensic System and Physician Aksoy ME. MD.	Laws relating autopsy Aksoy ME.. MD.	Definition of Death Aksoy ME. MD
10:00-10:45	Child Abuse and Neglect Polat O. MD.	Forensic Psychiatry I. Polat O. MD	Evaluation of Legal Cases Aksoy ME. MD.	Crime scene Investigation Aksoy ME. MD.	Post Mortem Changes Aksoy ME. MD
11:00-11-45	Legal Aspects of Child abuse Polat O. MD.	Forensic Psychiatry II. Polat O. MD	Related Turkish Penalty Code Aksoy ME. MD	Head Injuries Polat O. MD	Identification Aksoy ME. MD
13:00-13:45	Elder Abuse Polat O. MD.	Wounds Polat O. MD.	Medico-legal Autopsy I. Aksoy ME.. MD	Autopsy Polat O. MD.	Time of death Aksoy ME. MD
14:00-14:45	Human Rights Violations Polat O. MD.	Blunt Injuries Polat O. MD.	Medico-legal Autopsy II. Aksoy ME. MD	Autopsy Polat O. MD.	Alcohol and alcoholism Aksoy ME. MD
15:00-15:45	Torture Polat O. MD.	Incised wounds Polat O. MD.	Medico-legal Autopsy Aksoy ME. MD	Autopsy Polat O. MD.	Drug related deaths Aksoy ME. MD

Time	2009	2009	2009	2009	2009
09:00-09:45	Gunshot wounds Polat O. MD.	Sudden Unexpected Deaths Aksoy ME. MD			
10:00-10:45	Gunshot wounds Polat O. MD.	Report Writing I. Aksoy ME. MD			
11:00-11:45	Hypothermia, elecrical injuries Polat O. MD.	Report Writing II. Aksoy ME. MD			
13:00-13:45	Mechanical Asphxia Polat O. MD.	Turkish Penalty Code and physician Aksoy ME.MD			
14:00-14:45	Hanging Polat O. MD.	Final Evaluation Aksoy ME. MD			
15:00-15:45	Bodies recovered from water Polat O. MD.	Exam Aksoy ME. MD.			

YEDITEPE UNIVERSITY FACULTY OF MEDICINE
CLINICAL PHARMACOLOGY (1,5 week)

Ece Genç, MD. Prof. Serdar Alpan, MD. Prof. Zafer Gören, MD. Assoc.

LEARNING OBJECTIVES:

At the end of this clerkship the students should be able to

- Determine the patient's problem
- Determine the therapy rationale
- Assess efficacy of drugs
- Evaluate safety of drugs
- Assess convenience of drugs
- Evaluate the cost of therapy
- Select the personal drugs
- Write the proper prescription

MONDAY 9:00 - 9:45 10:00 -10:45 11:00 - 12:00	Introduction to the program, OSCE Examination and its specifications "Groningen" model in Rational Pharmacotherapy Good Prescribing Guide
12:00 – 13:00	LUNCH BREAK
13:00 – 13:45 14:00 – 16:00	Personal Drugs, Introduction of the MAUA forms Clinical Pharmacology of antihypertensive drugs
TUESDAY 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 9:00 - 11:00 11:00 - 12:00	Personal drugs for hypertension 2 Solving case studies for hypertension
12:00 – 13:00	LUNCH BREAK
13:00 - 15:00	Further case studies on hypertension

THURSDAY 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 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
MONDAY 9:00 – 12:00	Antimicrobials for tonsillopharyngitis
12:00 – 13:00	LUNCH BREAK
13:00 – 16:00	Determination of P-drugs for tonsillopharyngitis
TUESDAY 9:00 – 12:00	Drugs used in osteoarthritis
12:00 – 13:00	LUNCH BREAK
13:00 – 15:00	Personal drugs for osteoarthritis

15:00 – 17:00	Solving case studies in osteoarthritis
WEDNESDAY 9:00 – 12:00	OSCE examinatıon
12:00 – 13:00	LUNCH BREAK
13:00 – 16:00	Evaluation of the rational drug therapy clerkship

YEDİTEPE UNIVERSTY FACULTY OF MEDICINE
CLINICAL ETHICS (1 week)

Seminar in Clinical Ethics

Emre Kayaalp, M.D., Ph.D.
Assistant Professor
prof.kayaalp@gmail.com

Learning Objectives

This course prepares senior medical students to identify and to effectively manage the ethical dilemmas they will be confronted with as they enter clinical practice. Students will be introduced to actual cases reports from the medical literature. They will learn the methodology that clinical ethicists use to develop a satisfactory plan of action in the face of difficult moral choices. Students will explore specific knowledge areas in clinical ethics through a combination of mandatory reading assignments, classroom lectures, writing assignments, and small-group sessions.

Detailed Course Outline

Day 1		
Date	**Lecture Title**	**Time**
Tuesday 20 May 2008	Introduction to the Course	2 hrs.
	Physician Responsibilities I: Duties to Our Patients	2 hrs.
	Physician Responsibilities II: Duties to Ourselves and to Others	2 hrs.

Day 2		
Date	**Lecture Title**	**Time**
Wednesday 21 May 2008	Autonomy, Paternalism, and the Right to Refuse Treatment	2 hrs.
	Informed Consent	2 hrs.
	Confidentiality and Privacy	2 hrs.

Day 3		
Date	**Lecture Title**	**Time**
Thursday 22 May 2008	A Systematic Approach to Managing Ethical Dilemmas	2 hrs.
	How to Resolve Clinical Dilemmas	2 hrs.
	Practice Cases and Review for Final Exam	2 hrs.

Day 4		
Date	**Lecture Title**	**Time**
Friday 23 May 2008	Final Exam	2 hrs.

PHASE V

MARMARA UNIVERSITY FACULTY OF MEDICINE

PUBLIC HEALTH (1 week)

Melda Karavuş,MD.Prof.

COURSE ON EVIDENCE BASED MEDICINE

GOAL:

At the end of this course the participants will be able to acquire the basic principles of Evidence Based Medicine that they can use in clinical decision making process.

ENABLING OBJECTIVES:

At the end of this course the participants will be able:
-to understand what evidence means in the field and in the clinic
-to learn about the history of Evidence Based Medicine
-to understand the philosophy of Evidence Based Medicine
-to learn about the hierarchy of evidence and effects on decision making in medicine.
-to reach evidence in medical literature and evaluate the validity of evidence
-to explain different types of medical studies in the light of their confidence levels
-to explain cause and effect relationships
-to critisize harm studies
-to evaluate the evidence when determining the prognosis of the patient
-to evaluate the types of bias
-to evaluate evidence in diagnostic tests

Place: Yeditepe Üniversity Faculty Of Medicine

YEDİTEPE UNIVERSITY
FACULTY OF MEDICINE

"COMBINED REVIEW COURSES
OF
CLINICAL SCIENCE"

PHASE V

CONTENTS:

☐ CURRICULUM DRAFT
☐ OTHER DETAILS

□ GENERAL INFORMATION

The Combined Review Courses of Basic and Clinical Science Project is another special project that is arranged for Yeditepe University Faculty of Medicine students' of Phase V. This project is also the first and the unique project in Turkey as the ones which applies in the 5th and the 6th year education.

As every faculty, Yeditepe University management desires to carry their success chart to upper levels in TUS.

The medicine education is a 6-year period which is really a high cost and intensive education so the educationalist want to see the response of their effort also in the specialization exam and we believe that the second step of this long way is the 5th year of the education.

The management and educationalist staff of Yeditepe University who use all their physical possibilities in order to train successful doctors for the health sector have arranged this courses with the cooperation of **TUMER** Counseling, for the achievement of their students in the exam after they graduate.

The Combined Review Courses of Clinical Science will also be undertaken by **TUMER** like the other TUS Preperation Projects of the 5th and the 6th years. **TUMER** is a counseling company which trains and mentors the doctors till 1997 so they will transfer all their experiences for the students in their 5th year of Yeditepe for their accomplishment.

In the one-year period courses, information and evaluation seminars, repetition lessons, pop-quizes, essays, last review courses will be practiced entirely together with the guidance services. It will be a first step preperation before the 6th year. The project will be maintain in the 6th year as well.

Evaluation results and education reports will be shared with the management and positive and negative goings-on will be observed for continuity of the advice trade.

□ AIMS

The goal is to repeat the whole knowledge in clinical sciences including Internal Medicine, General Surgery, Child Health and Pediatrics, Obstetrics and Gynecology; that is expounded in 5 years period, to increase the skill of approach to exam questions and to supply the motivation in the preperation time and preperation of the last year.

The courses will be in a combination system for students to combine and diagnose their whole knowledge in a logical frame.

It will be possible for the students to identify and recognize this examination, to learn to study effectively and to increase the ability of using their knowledge with the help of these courses called “The Combined Review Courses of Clinical Science”.

The lectures will be the continuation and the supplementary of the 5th year courses and the preperation of the last year including TUS exam.

□ TARGETS

The success in the TUS of Yeditepe University is nearly 5% until 2005. But after especially after the support of these courses, the success had increased to 25%. Now the target is, of course, to carry this average to upper levels.
Before 2006, this support of counseling was only for the interns but now the study of extending the courses for the 4th and the 5th year students had come true. This year, the courses will be for all the 5th and the 6th year students.

□ EDUCATION SCHEDULE AND ITS FORM

In October there will be a seminar called “TUS Information” and “The Techniques and Methodology of Studying TUS”. After the seminar, the publication set will be hand out to students.
But before these, on the September 2008, especially the new interns will take the original September TUS exam to realize the real knowledge levels according to computer supported results.

After April 2009 TUS, there will be an evaluation seminar and in the end, before September 2009 the last seminar will be applied called “Examination Tactics”.

The programme includes nearly 350 hours time lectures, examinations and guidance and counseling services.

In the education period, there will be 11 TUS Examinations including 2 original TUS exams (2008 September & 2009 April). All analysis of the exam results will be evaluated by computer.

There will be attendance obligation for students and follow up charts will be prepared and presented to management.

The lessons are organised approximately 16 hours in 4 days (Monday, Tuesday, Wednesday and Thursday) for a week for the 5th classes. Curriculum papers will be for 15 days periods.

□ CURRICULUM DRAFT

BASIC AND CLINICAL SCIENCE COURSES

DICIPLINE	LECTURE
INTERNAL MEDICINE	12
CHILD HEALTH AND PEDIATRICS	14
GENERAL SURGERY	9
OBSTETRICS AND GYNECOLOGY	9
PATHOLOGY + HISTOLOGY + PHYSIOLOGY	9
PHARMACOLOGY	9
BIOCHEMISTRY	9
MICROBIOLOGY	7
ANATOMY	7

SEMINARS

1- TERM-BEGINNING TUS INFORMATION THE TECHNIQUES & METHODOLOGY of STUDYING TUS
2- APRIL 2008 TUS INFORMATION & EVALUATION
3- TERM-ENDING EXAMINATION TACTICS

EXAMINATIONS (9 + 2 ORIGINAL TUS)

SEPTEMBER	18:00	**SEPTEMBER 2008 TUS ORIGINAL**
NOVEMBER	18:00	**EXAM-1**
DECEMBER	18:00	EXAM-2
JANUARY	18:00	*EXAM-3*
FEBRUARY	18:00	EXAM-4
MARCH	18:00	EXAM-5
APRIL	18:00	APRIL 2009 TUS ORIGINAL
JUNE	18:00	EXAM-6

JULY	18:00	EXAM-7
JULY	18:00	EXAM-8
AUGUST	18:00	EXAM-9

- ## OTHER DETAILS

There will not be any clinical practice and training at patient bedside in the curriculum of "The General Review Courses".

The certain dates of all exams will be announced after the programme starts.

According to the legal changes in the TUS exam rules, the contents and forms of education will have the arrangements regulated by **TUMER**.

In the project, all mentors will be from the staff of **TUMER**.

Lectures Time Planning:

- In the working days: between 18:00 and 22:00
- In the weekends: between 09:00 and 17:00 (if necessary)
- There will not be any lectures in the essay days.

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