YEDİTEPE UNIVERSITY

FACULTY OF MEDICINE

PHASE IV

ACADEMIC PROGRAM

2010 - 2011

<table>
<tr><th>A GROUP</th><th>B GROUP</th></tr>
<tr><td>INTERNAL MEDICINE
(10 Weeks)

13.09.2010-19.11.2010</td><td>CHILD HEALTH AND PEDIATRICS
(10 Weeks)

13.09.2010-19.11.2010</td></tr>
<tr><td>CARDIOLOGY (2 Weeks)

22.11.2010-03.12.2010</td><td>CLINICAL ETHICS (1 Weeks) 22-26.11.2010
PUBLIC HEALTH (1 Weeks) 29.11-03.12.2010</td></tr>
<tr><td>CLINICAL ETHICS (1 Weeks) 06-10.12.2010
PUBLIC HEALTH (1 Weeks) 13-17.12.2010

CHILD HEALTH AND PEDIATRICS
(10 Weeks)
20.12.2010-25.02.2011</td><td>INTERNAL MEDICINE
(10 Weeks)

06.12.2010-11.02.2011

CARDIOLOGY (2 Weeks)

14-25.02.2011</td></tr>
<tr><td>GENERAL SURGERY
(6 Weeks)
28.02.2011-08.04.2011

CARDIOVAS. SURGERY
(2 Weeks)
11-22.04.2011</td><td>OBSTETRICS AND GYNECOLOGY
(6 Weeks)
28.02.2011-08.04.2011

THORIC SURGERY
11-15.04.2011 | PLASTIC&RECON. SURGEY
11-15.04.2011
PLASTIC&RECON. SURGEY
18-22.04.2011 | THORIC SURGERY
18-22.04.2011</td></tr>
<tr><td>THORIC SURGERY
25-29.04.2011 | PLASTIC&RECON. SURGEY
25-29.04.2011
PLASTIC&RECON. SURGEY
02-06.05.2011 | THORIC SURGERY
02-06.05.2011

OBSTETRICS AND GYNECOLOGY
(6 Weeks)
09.05.2011-17.06.2011</td><td>GENERAL SURGERY
(6 Weeks)
25.04.2011-03.06.2011

CARDIOVAS. SURGERY
(2 hafta)
06-17.06.2011</td></tr>
</table>

2010-2011 PHASE IV GROUP A

	NAME	SURNAME	STUDENT NO
1	AYŞE IŞIL	DOĞAN	230800058
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10	BERFU	VURMAZ	250800084
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28	ANIL	YILDIZ	260800016
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34	ADİL ERALP	KOÇAK	260800025
35	BİLAL	KARAMAN	260800026
36	SENA	SAYGILI	260800029
37	DAMLA	TÜRKAN	260800032
38	SELİN	GÜVEN	260800033
39	GİZEM	YILDIZ	260800036
40	GÖKHAN	KİĞILI	260800037

41	YUNUS EMRE	ALTINTAŞ	260800038
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44	HAZAL CEREN	TUĞRUL	260800044
45	ESRA ŞAZİMENT	KARS	260800046
46	DENİZ	TÜRKMEN	260800047
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48	GİZEM	ÇOM	260800049

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5	İNAN	YILMAZ	260800060
6	ELNAZ	PORKARREZAİYEH	260800072
7	KAAN TUĞBERK	ÖZDEMİR	260800074
8	UTKU	ÖZGEN	260800076
9	PELİN	ATAĞ	260800078
10	AYSU	ALİĞİL	260800079
11	HATİCE	GÜLLÜELLİ	260800080
12	AYŞE ECE	BÜYÜKSANDALYACI	260800081
13	YÜKSEL HAKAN	AYDOĞMUŞ	260800082
14	KAMURAN	DAYAN	260800083
15	BELKİS NİL	YURTTAŞ	260800084
16	ÜNZİLE	ARİFOĞLU	270800002
17	CEM BATUHAN	OFLUOĞLU	270800004
18	MERT	ERENLER	270800006
19	ALİ	TÜRKOĞLU	270800008
20	YİĞİT MUSTAFA	ERTUNÇ	270800011
21	MUKADDES	ŞENER	270800014
22	CEMAL	ALAY	270800016
23	İSA CANER	AYDIN	270800017
24	ASLI	ÇUHACI	270800023
25	GÖZDE	PALABIYIK	270800024
26	SERKAN	TURAN	270800027
27	SIRMA MİNE	TİLEV	270800029
28	MELİKE	KARAOĞLU	270800033
29	OĞUZCAN	KINIKOĞLU	270800034
30	ELİF	GÜNDÜZ	270800038
31	ÖZGECAN	GÖRMAN	270800040
32	ARMAN	TOTUK	270800043
33	JÜLİN	BİLGİN	270800052
34	ELİF CANSU	KARAAHMETOĞLU	270800057
35	ELİF	SAYMAN	270800059
36	PELİN	GÜNEŞ	270800060
37	TUBA	GENÇOL	270800061
38	GÜLÇİN	AKPINAR	270800062

39	BAHAR	AKPINAR	270800063
40	MEHTAP	YÜCEL	270800064
41	VERONİKA	KUTYAVİNA	270800069
42	CANSU	HEMŞİNLİOĞLU	270800071
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45	ELİF	DALGIÇ	280800029
46	MAVERA	UŞAKLIOĞLU	280800069
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49	BETÜL	ÇINAR	290800007

CLERKSHIP PROGRAMMES (40 WEEKS)

INTERNAL MEDICINE (10 weeks)

CHILD HEALTH AND PEDIATRICS (10 weeks)

GENERAL SURGERY (6 weeks)

THORACIC SURGERY (1 week)

CARDIOVASCULAR SURGERY (2 week)

PLASTIC AND RECONSTRUCTIVE SURGERY (1 week)

OBSTETRICS AND GYNECOLOGY (6 weeks)

CLINICAL ETHICS (1 Weeks)

PUBLIC HEALTH (1 Weeks)

CARDIOLOGY (2 Weeks)

INTERNAL MEDICINE
(10 Weeks)
2010-2011
(I. Group)

YEDİTEPE UNIVERSTY HOSPITAL
&
HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL

INTERNAL MEDICINE PROGRAM

1. CARDIOVASCULAR DISEASE

1.1. Background

Learning objectives

You should:

- Be alert to take with absolute confidence history from a patient with chest pain or other major symptoms of cardiovascular disease and construct a differential diagnosis
- Be able to interpret the chest radiogram and electrocardiogram (ECG)
- Know the place of echocardiography, exercise testing, coronary angiography and the investigations used in particular cardiovascular diseases (described below under diagnoses) and when to request them
- Be competent at performing cardio-pulmonary resuscitation

1. 2. Ischemic heart disease

Learning objectives

You should:

- Have a good understanding of alchemic heart disease and other forms of atherosclerotic vascular disease
- Know the risk factors for ischemic heart disease
- Understand the pathogenesis
- Understand how to diagnose and treat angina and myocardial infarction
- Know the indications of fibrinolytic therapy and coronary revascularization.

1.3. Heart failure

Learning objectives

You should:

- Have a clear understanding of the pathophysiology of heart failure and the range of disease processes that can cause it
- Be competent at recognizing heart failure and the most common valvular lesions
- Be able to diagnose it from the symptoms, signs and chest radiogram
- Understand its treatment and how that relates to the pathophysiological mechanisms and long-term prognosis.

1.4. Dysrhythmias

Learning objectives

You should:

- Understand how to recognize and treat the common dysrhythmias
- Be alert to the clinical presentations of dysrhythmias
- Understand how to diagnose them from the ECG
- Be prepared to manage cardiac arrest
- Know how to manage dysrhythmic emergencies
- Have a good understanding of atrial fibrillation and its complications and treatment

1.5. Valvular and congenital heart disease

Learning objectives

You should:

- Understand how the individual lesions cause their characteristic symptoms and signs
- Approach to the bedside confident in the knowledge of what you are looking, listening for
- Understand the complications and management

1.6. Infective endocarditis

Learning objectives

You should:

- Be able to distinguish between the different forms of infective endocarditis and the diagnostic and therapeutic approach to each
- Know the indications for prophylaxis of infective endocarditis and where to find current information on appropriate regimens.

1.7. Pericardial and heart muscle disease

Learning objectives

You should:

- Be able to recognize pericarditis and construct an appropriate differential diagnosis
- Be able to recognize pericardial tamponade and understand how to manage a pericardial effusion
- Understand how to recognize myocarditis and other heart muscle diseases.

1.8. Hypertension

Learning objectives

You should:

- Understand how hypertension is defined
- Be aware of its causes and the risk factors for the development of hypertension
- Understand when and how to treat it

1.9. Pulmonary vessel disease

Learning objectives

You should:

- Understand the range of causes
- Be able to work out from simple physiological prIncıples the symptoms, signs, radiological and electrocardiographic features
- Understand the prIncıples of treatment.

1.10. Venous thrombo-emboli

Learning objectives

You should:

- Have a clear understanding of venous and arterial embolism and how to recognize them
- Understand the causes, in terms of Wirchows's triad
- Understand how to investigate and treat a deep thrombosis or pulmonary embolism

1.11. Arterial Disease

Learning objectives

You should:

- Understand the causes and clinical presentations of aortic aneurysms regarding to their various sites.

2. RESPİRATORY DISEASE

2.1. Clinical aspects
2.2. Infective disorders
2.3. Tumors
2.4. Chronic airflow obstruction
2.5. Interstitial lung disease
2.6. Miscellaneous respiratory disease
2.7. Pleural disease

2.1. Clinical aspect

Learning objectives

You should be able to:

- Describe how be important prIncıples of respiratory anatomy and physiology are affected in the common respiratory diseases
- Interpret the common respiratory symptoms and signs and construct a differential diagnosis based on probabilities
- Describe how you would use investigations in respiratory medicine appropriately to the clinical problem
- Set out the prIncıples of management of the common respiratory diseases and the immediate treatment of the common respiratory emergencies

2.2. Infective disorders

Learning objectives

You should be able to:

- Describe the classification of pneumonia and other forms of respiratory infection
- Set out the major causes of respiratory infection and their treatment
- Write down the clinical presentation appropriate investigations for respiratory tract infections
- Discuss which patients require specialized advice and/or procedures
- Describe the diagnosis of tuberculosis and its management

Tuberculosis

Learning objectives

You should be able to:

- Describe how to diagnose pulmonary, extra pulmonary tuberculosis
- Discuss the limitations of diagnostic tests
- Discuss the implications of a positive or negative Heaf or Mantoux test
- Write down how tuberculosis is transmitted and how to interrupt transmission
- Describe the prIncıples of management of tuberculosis, including the importance of resistance

2.3. Tumors

Learning objectives

You should be able to:

- Write down the importance of bronchial carcinoma in the community
- Describe the different pathological types of lung cancer, how they differ in their presentation and progression and the etiological variation
- Discuss the prIncıples of investigation, management and treatment
- State how other tumors can affect the respiratory system

2.4. Chronic airflow obstruction

Learning objectives

You should be able to:

- Diagnose and assess the severity of airflow obstruction
- Discuss the importance of looking for reversibility of airflow obstruction in terms of treatment
- Plan management both as an emergency and in the long term

2.5. Interstitial lung disease

Learning objectives

You should be able to:

- Discuss how different disease processes can cause pulmonary fibrosis
- Integrate the clinical features and investigations into a list of possible diagnoses
- List some of the rarer causes of the problems

2.6. Miscellaneous respiratory disease

Learning objectives

You should be able to:

- Be aware of a range of conditions that may affect the lung
- Know the specific features of the different conditions.
- Sleep apnea SynMDome
- Adult respiratory distress synMDome
- Pleuritic pain
- Pleural effusion

2.7. Pleural disease

Learning objectives

You should be able to:

- Diagnose patients as having disease of the pleura/pleural space
- Outline the investigation and management

3. GASTROINTESTINAL, HEPATOBILIARY AND PANCREATIC DISEASE

3.1. Clinical aspects
3.2. The esophagus
3.3. The stomach and duodenum
3.4. The small intestine
3.5. The large intestine
3.6. Food poisoning and intestinal infection
3.7. The liver
3.8. The biliary system
3.9. The pancreas

3.1. Clinical aspects

Learning objectives

You should be able to:

- Link the common symptoms and signs in gastrointestinal (GI) disease with disease processes
- Construct a logical investigation plan based on the symptoms and signs
- Utilize appropriately the range of investigations for the Gl tract, particularly endoscopy and imaging
- Describe prIncıples of management of the common problems and diseases.

3.2. The esophagus

Learning objectives

You should be able to:

- Link esophageal pathophysiology with the three common symptoms
- Construct a differential diagnosis
- Plan investigation and management

3.3. The stomach and duodenum

Learning objectives

You should be able to:

- Describe the pathogenesis of peptic ulcer and its treatment
- Assess patient with gastrointestinal bleeding, arrange investigations and formulate a management plan; all of these may require consultation with senior staff.

3.4. The small intestine

Learning objectives

You should be able to:

- Discuss the interrelationship between the structure and function of the small intestine, which is the key to the common symptoms
- Describe the common disease processes affecting the small intestine and how these affect the normal structure and function.

3.5. The large intestine

Learning objectives

You should be able to:

- Take an appropriate history from someone with possible bowel disease and construct a differential diagnosis
- Target investigates according to the probabilities in the differential diagnosis in order to make definitive diagnosis
- Discuss the important differences between ulcerative colitis and Crohn's disease, in both pathology and common clinical patterns/symptoms
- State which investigations are best for the diagnosis of inflammatory bowel disease and be able to assess extent and severity
- Describe the value of medical and surgical management of inflammatory bowel disease and discuss with a patient what the diagnosis means, including the long-term future, risk of complications and management.

3.6. Food poisoning and intestinal infection

Learning objectives

You should be able to:

- Distinguish clinically between predominantly vomiting and predominantly diarrheal illnesses and state the significance of the distinction
- Describe rehydation management.

3.7. The liver

Learning objectives
You should be able to:

- Describe the major metabolic functions of the liver and predict the consequences of significant liver dysfunction
- Discuss the anatomy of the liver in relationship to other organs
- Describe the causes of acute liver disease, initiate appropriate investigations and outline a management plan for the important causes of acute liver disease
- Recognize acute liver failure and know the prIncıples of management and determinants of outcome
- Discuss how chronic hepatitis presents and its main causes
- Describe what to do when arranging a liver biopsy, the precautions to take and its complications
- Construct a broad framework of appropriate therapy for the various causes of chronic hepatitis
- Be comfortable advising a patient with hepatitis B or C with regard to sexual practice, blood donation and dentistry
- Describe the pathology and metabolic derangements in cirrhosis
- Outline the main causes and clinical features and manage patients with cirrhosis.

3.8. The biliary system

Learning objectives

You should be able to:

- Describe the different clinical patterns of biliary disease and how these affect management

3. 9. The pancreas

Learning objectives

You should be able to:

- Discuss the normal structure and function of the pancreas and how derangement leads to the common presentations of pancreatic disease

4. RENAL DISEASE, FLUID/ELECTROLYTE AND ACID/BASE BALANCE

4.1. Background
4.2. Investigation of renal disease
4.3. Clinical presentations of renal disease
4.4. Specific renal and urinary tract diseases
4.5. Fluid and electrolyte balance
4.6. Acid/base disorders

4.1. Background

Learning objectives

You should be able to:

- To feel confident about diagnosing renal failure on the basis of abnormal biochemistry
- To understand those aspect of renal physiology which explain renal failure and its treatment
- To understand how the kidneys, heart and circulation form a functional unit in the regulation of fluid and electrolyte balance
- To understand how abnormalities of renal perfusion can affect renal function
- To understand how renal function is affected by urinary outflow.

4.2. Investigation of renal disease

Learning objectives

You should be able to:

- Know the range of investigations for renal disease and understand their use different clinical situations
- Appreciate that proteinuria and hematuria are easy to detect with a dipstick, usually indicative of renal/urinary tract disease and all too often overlooked at an early stage when referral, investigation and treatment could preserve renal function.

4.3. Clinical presentations of renal disease

Learning objectives

You should be able to:

- The common presentations of renal disease
- The causes and management of the common diseases.

4.4. Specific renal and urinary tract diseases

Learning objectives

You should be able to:

- Understand the features and investigation of parenchymal and vascular renal diseases
- Be able to identify the possible underlying causes ad how to treat the disease and its secondary effects
- Be able to distinguish acute cystitis from the urethral syndome in young women
- Be able to distinguish upper tract infection (pyelonephritis) from lower tract infection (cystitis)

4.5. Fluid and electrolyte balance

Learning objectives

You should be able to:

- Understand the concept of fluid "compartments"
- Know the "barriers" that divide the compartments
- Understand the mechanism that control vascular volume and electrolyte homeostasis
- Be able to assess vascular volume reliably the bedside
- Be able to interpret abnormalities of plasma sodium, potassium, urea, creatine, bicarbonate and albumin concentrations and know how to use physical signs to help to interpret them
- Understand how to manage common fluid/electrolyte disorders

4.6. Acid/base disorders

Learning objectives

At the very least, you should:

- Understand the terms respiratory and metabolic acidosis and alkalosis
- Understand that these changes may be primary or compensatory
- Be able to interpret arterial blood gas measurements in those terms
- Know the common diseases that affect acid/base balance
- Understand the main prIncıples of management

5. HEMATOLOGY

6. 1 Background
6. 2 Red cell disorders
6. 3 White cell disorders
6. 4 Platelet disorders
6. 5 Coagulation disorders
6. 6 Disseminated intravascular coagulation

5.1. Background

Learning objectives

You should:

- Know what to ask about in the haematological history and what to look for on examination
- Know when to measure and know to interpret a full blood count, film, differential white count, platelet count and erythrocyte sedimentation rate (ESR)

- Understand to other main haematological investigations and when to carry them out
    - Haematinics: iron and total iron-binding capacity, ferritin, vitamin B12, folat and cell folat.
    - Coagulation tests: international normalised ratio (INR), prothrombin time (PT), activated partial thromboplastin time (APTT), plasma fibrinogen, and fibrin degradation products.
- Know the indications for, and the information that can be gained from bone marrow examination and lymph node biopsy.
- Know which situations commonly comfort a house officer and understand how to manage them
- Know enough about the their other major haematological diseases to recognise them, make appropriate and timely referrals and explain them to your patients

5.2. Red cell disorders

Learning objectives

You should:

- Understand the range of diseases that cause anemia and how they do so
- Know how to diagnose and treat anemias
- Know the indications for blood transfusion and how to avoid complications
- Know what polycythemia is, what can cause it and how it causes symptoms and signs

5. 3. White cell disorders

Learning objectives

You should:

- Understand the causes of neutropenia
- Know what infections to be concerned about in the neutropenic patient and what to do if such a patient gets a fever
- Know the diseases of white cell proliferation and how they are diagnosed and treated

A simple way of approaching white cell disorders is to think in terms of white cell numbers. They may be:

- Reduced, increasing susceptibility to infection
- Increased, signifying systemic disease or marrow proliferation

5.4. Platelet disorders

Learning objectives

You should:

- Be able to understand the clinical presentations of platelet disorders
- Understand the indications for platelet transfusion
- Understand how increased platelet numbers can cause thrombophilia

5. 5. Coagulation disorders

Learning objectives

You should:

- Understand how coagulation defects are acquired

- Know how warfarin and heparin work, when to use them, and their potential dangers
- Understand the concept of hypercoagulability (thrombophilia) and its causes

6. ENDOCRINOLOGY AND METABOLISM

6. 1. General introduction
6. 2. Thyroid disease
6. 3. Pituitary disease
6. 4. Adrenal disease
6. 5. Hyperlipidemia
6. 6. Obesity
6. 7. Diabetes mellitus and spontaneous hypoglycemia
6. 8. Calcium metabolism and metabolic disease

6. 1. General introduction

Learning objectives

You need to:

- Know the range of common endocrine diseases
- Understand the relationship between the pathological processes of autoimmunity, neoplasia and failure of feedback regulation those diseases
- Understand how biochemical testing and imaging are used to diagnose endocrine disease

6.2. Thyroid disease

Learning objectives

You should:

- Know the main clinical features and investigation of thyroid disease
- Understand how to approach the patient with “a lump in the thyroid”
- Know how to treat over-and under-production of thyroid hormones
- Know how to deal with thyroid swelling

6. 3. Pituitary disease

Learning objectives

You should:

- Know the significance of the anatomical location of the pituitary and its role in directly and indirectly controlling many vital processes
- Know the clinical features, investigations and treatment of pituitary over-and under activity

6. 4. Adrenal disease

Learning objectives

You should:

- Understand the roles of the adrenal medulla and cortex
- Know the main clinical features, investigation and management of adrenal over-and under activity

6. 5. Hyperlipidemia

Learning objectives

You should:

- Understand the common hyperlipidemias and their relationship to cardiovascular disease
- Be familiar with the current consensus guidelines for starting treatment
- Be aware of the management options

6. 6. Obesity

Learning objectives

You should:

- Be aware of the health hazards associated with obesity
- Understand the management of obesity and how the counsel patients

6. 7. Diabetes mellitus and spontaneous hypoglycemia

Learning objectives

You should:

- Know the main types of diabetes and understand their causes and the rational for their treatment
- Be able to describe the management of the common metabolic emergencies of diabetes (hypo- and hypergiycemia)
- Understand what is meant by diabetic tissue complications and know their features and management

6. 8. Calcium metabolism and metabolic disease

Learning objectives

You must

- Understand calcium metabolism in term of its control mechanism (princıpally parathyroid hormone (PTH) and vitamin D and intestinal and renal calcium and phosphate handing
- Understand bone formation and resorption in relation on the bone matrix, the "remodeling unit" of osteoblast and osteoblast and the process of mineralization
- Be able to interpret serum calcium, phosphate and alkaline phosphate se and related parameters 8urea, creative and albumin)
- Understand the causes and management of hypocalcaemia and hypocalcaemia
- Understand causes, clinical presentations and prevention of osteoporosis
- Know about some other disorders of bone including Paget's disease

7. MUSCULOSKELETAL DISEASE

7. 1 Clinical aspects
7. 2 Infection
7. 3 Arthropathies
7. 4 Systemic lupus erythematosus
7. 5 Vasculitides
7. 6 Systemic sclerosis
7. 7 Crystal arthropathies
7. 8 Degenerative arthropathies
7. 9 Calcium metabolism and metabolic bone disease

7. 1. Clinical aspects

Learning objectives

You must be able to:

- Formulate a differential diagnosis based on the history and examination findings and the results of investigations; this must take into account the pattern of joint and other organ involvement
- Discuss the key investigations for particular diseases, why these are important and be able to interpret them
- Discuss the prIncıples of management
- Demonstrate a working knowledge of the main classes of drug used in rheumatological disorders, know the broad indications for their use and know the potential harm.

7. 2. Arthropathies

Learning objectives

You should be able to:

- Describe the systemic manifestations of rheumatoid disease and its management and prognosis
- Set out the differences between the exonerative spondyloarthritis and seropositive rheumatoid disease
- Discuss the range of conditions within the seronegative spondyloarthritis and the similarities and differences between them

7. 3. Systemic lupus erythematosus

Learning objectives

You should be able to:

- Use your knowledge of SLE as a multisystem disorder with an autoimmune basis and, from this, be able to predict its manifestations
- Investigate a person with possible SLE and be able to interpret the results
- Discuss the prIncıples of management

7. 4. Systemic sclerosis

Learning objectives

You should be able to:

- Describe the clinical features of systemic sclerosis

7. 5. Degenerative arthropathies

Learning objectives

You should be able to:

- Diagnose osteoarthritis, distinguish it from rheumatoid arthritis and establish whether it is primary or secondary
- Outline the prIncıples of management

7. 6. Crystal arthropathies

Learning objectives

You should be able to:

- Describe how gout and pseudogout commonly present
- Describe the metabolism of uric acid and how abnormalities lead to gout
- Set out the prIncıples of acute treatment and long-term management

7. 7. Vasculitis

Learning objectives

You should be able to:

- Distinguish the overlapping conditions involving vasculitis
- Discuss the management approaches involved in the varying vasculitis

8. INFECTIONS

8. 1. Clinical aspects
8. 2. HIV infections
8. 3. Sepsis and septic shock
8. 4. Classical infectious diseases
8. 5. Genitourinary infection
8. 6. Skin infections
8. 7. Fever of unknown origin

8. 1.Clinical aspects

Learning objectives

You should:

- Be able to take a history relevant to infectious diseases
- Be able to elicit and interpret important physical signs specific for the major infectious diseases
- Know how to record body temperature and interpret the value
- Appreciate the significance of rigors and know how to act accordingly

8. 2. HIV infections

Learning objectives

You should:

- Understand the basic elements of HIV reproduction and pathogenesis
- Know the important risk factors for HIV transmission
- Be cognizant of the major issues in counseling patients for HIV transmission
- Know how HIV disease progresses
- Know the clinical features of the common AIDS indicator diseases
- Grasp the importance of combination antiretroviral therapy

8. 3. Sepsis and septic shock

Learning objectives

You should:

- Know how to distinguish patients with minor infections from those with life-threatening bacterial or fungal sepsis
- Be able to diagnose meningococsemia, serious staphylococcal infection, toxic shock synMDome and septic shock clinically
- Know the main complications of serious sepsis and be able to implement the basic management strategies.

8. 4. Classical infectious diseases

Learning objectives

You should:

- Know how to diagnose the major classical infectious diseases that occur in adults, including varicella, herpes zoster, rubella parvovirus and glandular fever
- Know the key clinical manifestations of rarer infectious diseases such as mumps, diphtheria, whooping ought, Lyme disease and leptospirosis
- Know to approach the investigation and management of patients complaining of fatigue
- Know which classical infectious diseases are preventable by immunization

8. 5. Genitourinary infection

Learning objectives

You should:

- Know the causes of vaginal discharges and how to treat them
- Know the prIncıples of management of penile discharges and urethritis in men
- Know the major causes of genital ulcers and the prIncıples of management

8. 6. Skin infectious

Learning objectives

You should:

- Know the major forms of skin infection, their microbiology and their treatment
- Be able to recognize cellulites and erysipelas and distinguish these from gas gangrene and necrotIsing fasciitis

8. 7. Fever of unknown origin

Learning objectives

You should:

- Know how to construct a differential diagnosis for FUO
- Be able to develop a rational approach to investigation in patients with FUO

PHASE IV

YEDİTEPE UNIVERSITY FACULTY OF MEDICINE
INTERNAL MEDICINE **THORETICAL EDUCATIONAL PROGRAM**

DATE		TIME	Lecture	Lecturer
13..09.2010	Monday	13:30-14:20	Taking history	Cengiz Pata, MD Assoc.Prof.
		14:30-15:20	Examination of head and neck	Yaşar Küçükardalı, MD Assoc.Prof.
14.09.2010	Tuesday	13:30-14:20	Examination of respiratory system	Emine Sevda Ozdoğan, MD Assoc.Prof.
		14:30-15:20	Examination of the abdomen	Cengiz Pata, MD Assoc..Prof.
15.09.2010	Wednesday	13:30-14:20	Examination Of Extremities	Müge Bıçakçıgil, MD Assist.Prof.
		14:30-15:20	Examination Of Extremities	Müge Bıçakçıgil, MD Assist.Prof.
16.09.2010	Thursday	13:30-14:20	Asthma	Emine Sevda Ozdoğan, MD Assoc.Prof.
		14:30-15:20	Chronic obstructive lung disease and corpulmonale	Emine Sevda Ozdoğan, MD Assoc.Prof.
17.09.2010	Friday	13:30-14:20	Genitourinary tract infections	Meral Sönmez, MD Prof.
		14:30-15:20	Fever of unknown origin	Meral Sönmez, MD Prof.
20.09.2010	Monday	13:30-14:20	Pneumonia	Emine Sevda Ozdoğan, MD Assoc.Prof.
		14:30-15:20	Tuberculosis	Emine Sevda Ozdoğan, MD Assoc.Prof.
21.09.2010	Tuesday	13:30-14:20	Approach to the patıent wıth glomerular dıseases	Gülçin Kantarcı, MD Assoc.Prof.
		14:30-15:20	Approach to the patıent wıth glomerular dıseases	Gülçin Kantarcı, MD Assoc.Prof.
22.09.2010	Wednesday	13:30-14:20	Management of hyperlipidemia	Yaşar Küçükardalı, MD Assoc.Prof.
		14:30-15:20	Approach to the patient with acute arthritis (mono-oligo and polyarthritis)	Müge Bıçakçıgil, MD Assist.Prof.
23.09.2010	Thursday	13:30-14:20	Hyperthyroidism	Hasan Aydın, MD Assist.Prof.
		14:30-15:20	Hypothyroidism	Hasan Aydın, MD Assist.Prof.
24.09.2010	Friday	13:30-14:20	Acute respiratory distress syndrome	Sibel Temür Sakınmaz, MD Assoc.Prof.
		14:30-15:20	Approach to the patient with chronic arthritis	Müge Bıçakçıgil, MD Assist.Prof.
27.09.2010	Monday	13:30-14:20	Pulmonary thromboembolism	Emine Sevda Ozdoğan, MD Assoc.Prof.
		14:30-15:20	Disorders of pleura, mediastinum, diaphragm	Emine Sevda Ozdoğan, MD Assoc.Prof.
28.09.2010	Tuesday	13:30-14:20	Goiter and thyroid cancer	Hasan Aydın, MD Assist.Prof.
		14:30-15:20	Environmental lung diseases	Emine Sevda Ozdoğan, MD Assoc.Prof.
29.09.2010	Wednesday	13:30-14:20	Approach to the patıents wıth anemıa	Sami Kartı, MD Prof.
		14:30-15:20	Approach to the patıents wıth ıncreased blood counts	Sami Kartı, MD Assoc.Prof.
30.09.2010	Thursday	13:30-14:20	Approach to the patient with vasculitis-	Müge Bıçakçıgil, MD Assist.Prof.
		14:30-15:20	Approach to abdominal paın	Yusuf Ziya Erzin, MD Assist.Prof.
01.10.2010	Friday	13:30-14:20	Approach to the patient with hypertensive disorders	Gülçin Kantarcı, MD Assoc.Prof.
		14:30-15:20	Approach to the patient wıith hypertensive disorders	Gülçin Kantarcı, MD Assoc.Prof.
04.10.2010	Monday	13:30-14:20	Hypertensıve and ıschemıc nephropathıes, renal, renovascular dıseases,	Zehra Eren, MD Asist.Prof.
		14:30-15:20	Hypertensıve dısorders ın pregnancy	Zehra Eren, MD Asisit.Prof.

05.10.2010	Tuesday	13:30-14:20	Approach to the patıent wıth dyspepsıa	Cengiz Pata, MD Assoc.Prof.
		14:30-15:20	Dıarrhea	Yusuf Ziya Erzin, MD Assist.Prof.
06.10.2010	Wednesday	13:30-14:20	Ascıtes	Cengiz Pata, MD Assoc.Prof.
		14:30-15:20	FOREIGN BODY OF GIS	Yusuf Ziya Erzin, MD Assist.Prof.
07.10.2010	Thursday	13:30-14:20	Lıver Enzyme Dısorder	Cengiz Pata, MD Assoc.Prof.
		14:30-15:20	Chronıc Hepatıtıs	Cengiz Pata, MD Assoc.Prof.
08.10.2010	Friday	13:30-14:20	Cırrhosıs And Hepatıc Coma	Cengiz Pata, MD Assoc.Prof.
		14:30-15:20	Dysphagıa	Yusuf Ziya Erzin, MD Assist.Prof.
11.10.2010	Monday	13:30-14:20	Constıpatıon	Yusuf Ziya Erzin, MD Assoc.Prof.
		14:30-15:20	Gastroıntestınal bleedıng	Cengiz Pata, MD Assoc.Prof.
12.10.2010	Tuesday	13:30-14:20	Approach to the patıent wıth electrolyte dısorders	Zehra Eren , MD Assist.Prof.
		14:30-15:20	Approach to the patıent wıth acıd-base dısorders	Zehra Eren, MD Assist .Prof.
13.10.2010	Wednesday	13:30-14:20	Approach to the patient with connective tissue diseases-	Müge Bıçakçıgil, MD Assist.Prof.
		14:30-15:20	Drug ınteraction	Yaşar Küçükardalı, MD Assoc.Prof.
14.10.2010	Thursday	13:30-14:20	Acute complications of diabetes mellitus	Hasan Aydın, MD Assist.Prof.
		14:30-15:20	Chronic complications of diabetes mellitus	Hasan Aydın, MD Assist.Prof.
15.10.2010	Friday	13:30-14:20	Treatment of diabetes mellitus	Hasan Aydın, MD Assist.Prof.
		14:30-15:20	Splenomegaly and lymphadenopathies	Sami Kartı, MD Assos. Prof.
18.10.2010	Monday	13:30-14:20	Sepsis ve septic shock	Sibel Temür Sakınmaz, MD Assoc.Prof.
		14:30-15:20	Therapeutic approach to AIDS and related opportunistic disorders	Meral Sönmez, MD Prof.
19.10.2010	Tuesday	13:30-14:20	Approach to the patıent wıth acute kıdney ınjury	Gülçin Kantarcı, MD Assoc.Prof.
		14:30-15:20	Approach to the patıent wıth acute kıdney ınjury	Gülçin Kantarcı, MD Assoc.Prof.
20.10.2010	Wednesday	13:30-14:20	Infectious diseases emergencies	Meral Sönmez, MD Prof.
		14:30-15:20	Infectious diseases emergencies	Meral Sönmez, MD Prof.
21.10.2010	Thursday	13:30-14:20	Hypoparathyroidism	Hasan Aydın, MD Assist.Prof.
		14:30-15:20	Hyperparathyroidism	Hasan Aydın, MD Assist.Prof.
22.10.2010	Friday	13:30-14:20	Introductıon to clınıcal oncology …	Başak Oyan Uluç, MD Assoc.Prof.
		14:30-15:20	Prıncıples of chemotherapy and complıcatıons…	Başak Oyan Uluç, MD Assoc.Prof.
25.10.2010	Monday	13:30-14:20	Approach to the patıent wıth chronıc kıdney dısease	Gülçin Kantarcı, MD Assoc.Prof.
		14:30-15:20	Approach to the patıent wıth chronıc kıdney dısease	Gülçin Kantarcı, MD Assoc.Prof.
26.10.2010	Tuesday	13:30-14:20	Metabolic syndrome	Hasan Aydın, MD Prof.
		14:30-15:20	Endocrine hypertension	Hasan Aydın, MD Assist.Prof.
27.10.2010	Wednesday	13:30-14:20	Cushing's syndrome	Hasan Aydın, MD Assist.Prof.
		14:30-15:20	Oncologıc emergencıes	Başak Oyan Uluç, MD Assoc.Prof.
28.10.2010	Thursday	13:30-14:20	Approach to elderly patients	Yaşar Küçükardalı, MD Assoc.Prof.
		14:30-15:20	Approach to elderly patients	Yaşar Küçükardalı, MD Assoc.Prof.
29.10.2009				
01.11.2010	Monday	13:30-14:20	Approach ach to the patıent wıth hemoragıc dıathesıs	Sami Kartı, MD Asoss. Prof.

		14:30-15:20	Approach to the patıents wıth lymphoprolıferatıve dısorders	Başak Oyan Uluç, MD Assoc.Prof.
02.11.2010	Tuesday	13:30-14:20	Transfusıon ındıcatıons and reactıons	Meral Sönmezoğlu, MD Assoc.Prof.
		14:30-15:20	Hospital İnfections	Meral Sönmezoğlu, MD Assoc.Prof.
03.11.2010	Wednesday	13:30-14:20	Adrenal insufficiency	Hasan Aydın, MD Assist.Prof.
		14:30-15:20	Stem cell transplantatıon	Sami Kartı, MD Assoc.Prof.
04..11.2010	Thursday	13:30-14:20	Approach to the patıents wıth cytopenıa	Sami Kartı, MD Asoss. Prof.
		14:30-15:20	Daıgnosıs and management of hypercoagulapathy	Sami Kartı, MD Asoss. Prof.
05.11.2010	Friday		LUNG CANCER	Başak Oyan Uluç, MD Assoc.Prof.
			Breast cancer	Başak Oyan Uluç, MD Assoc.Prof.
08.11.2010	Monday	13:30-14:20	Metabolic bone disease	Hasan Aydın, MD Assist.Prof.
		14:30-15:20	Cardiopulmonary resuscitation	Sibel Temür Sakınmaz, MD Assoc.Prof.
09.11.2010	Tuesday	13:30-14:20	Hypertension	Gülçin Kantarcı MD Prof.
		14:30-15:20	Hypertension	Gülçin Kantarcı, MD Prof.
10.11.2010	Wednesday	13:30-14:20	Colorectal cancer	Başak Oyan Uluç, MD Assoc.Prof.
		14:30-15:20	Tumor markers	Başak Oyan Uluç, MD Assoc.Prof.
12.11.2010	Friday	13:30-14:20	Written Exam	
15.11 2010	Monday	9:00	Final Exam	

INTERNAL MEDICINE
(10 Weeks)
2010-2011
(II. Group)

YEDİTEPE UNIVERSITY FACULTY OF MEDICINE
INTERNAL MEDICINE **THORETICAL EDUCATIONAL PROGRAM**

DATE		TIME	Lecture	Lecturer
06..12.2010	Monday	13:30-14:20	Taking history	Cengiz Pata, MD Assoc.Prof.
		14:30-15:20	Examination of head and neck	Yaşar Küçükardalı, MD Assoc.Prof.
07.12.2010	Tuesday	13:30-14:20	Examination of respiratory system	Emine Sevda Ozdoğan, MD Assoc.Prof.
		14:30-15:20	Examination of the abdomen	Cengiz Pata, MD Assoc..Prof.
08.12.2010	Wednesday	13:30-14:20	Examination Of Extremities	Müge Bıçakçıgil, MD Assist.Prof.
		14:30-15:20	Examination Of Extremities	Müge Bıçakçıgil, MD Assist.Prof.
09.12.2010	Thursday	13:30-14:20	Asthma	Emine Sevda Ozdoğan, MD Assoc.Prof.
		14:30-15:20	Chronic obstructive lung disease and corpulmonale	Emine Sevda Ozdoğan, MD Assoc.Prof.
10.12.2010	Friday	13:30-14:20	Genitourinary tract infections	Meral Sönmez, MD Prof.
		14:30-15:20	Fever of unknown origin	Meral Sönmez, MD Prof.
.13.12.2010	Monday	13:30-14:20	Pneumonia	Emine Sevda Ozdoğan, MD Assoc.Prof.
		14:30-15:20	Tuberculosis	Emine Sevda Ozdoğan, MD Assoc.Prof.
14.12..2010	Tuesday	13:30-14:20	Approach to the patıent wıth glomerular dıseases	Gülçin Kantarcı, MD Assoc.Prof.
		14:30-15:20	Approach to the patıent wıth glomerular dıseases	Gülçin Kantarcı, MD Assoc.Prof.
15.12.2010	Wednesday	13:30-14:20	Management of hyperlipidemia	Yaşar Küçükardalı, MD Assoc.Prof.
		14:30-15:20	Approach to the patient with acute arthritis (mono-oligo and polyarthritis)	Müge Bıçakçıgil, MD Assist.Prof.
16.12..2010	Thursday	13:30-14:20	Hyperthyroidism	Hasan Aydın, MD Assist.Prof.
		14:30-15:20	Hypothyroidism	Hasan Aydın, MD Assist.Prof.
17.12.2010	Friday	13:30-14:20	Acute respiratory distress syndrome	Sibel Temür Sakınmaz, MD Assoc.Prof.
		14:30-15:20	Approach to the patient with chronic arthritis	Müge Bıçakçıgil, MD Assist.Prof.
20.12.2010	Monday	13:30-14:20	Pulmonary thromboembolism	Emine Sevda Ozdoğan, MD Assoc.Prof.
		14:30-15:20	Disorders of pleura, mediastinum, diaphragm	Emine Sevda Ozdoğan, MD Assoc.Prof.
21.12..2010	Tuesday	13:30-14:20	Goiter and thyroid cancer	Hasan Aydın, MD Assist.Prof.
		14:30-15:20	Environmental lung diseases	Emine Sevda Ozdoğan, MD Assoc.Prof.
22.12..2010	Wednesday	13:30-14:20	Approach to the patıents wıth anemıa	Sami Kartı, MD Prof.
		14:30-15:20	Approach to the patıents wıth ıncreased blood counts	Sami Kartı, MD Assoc.Prof.
23.12.2010	Thursday	13:30-14:20	Approach to the patient with vasculitis-	Müge Bıçakçıgil, MD Assist.Prof.
		14:30-15:20	Approach to abdominal paın	Yusuf Ziya Erzin, MD Assist.Prof.
24.12..2010	Friday	13:30-14:20	Approach to the patient with hypertensive disorders	Gülçin Kantarcı, MD Assoc.Prof.
		14:30-15:20	Approach to the patient wıth hypertensive disorders	Gülçin Kantarcı, MD Assoc.Prof.
27.12..2010	Monday	13:30-14:20	Hypertensıve and ıschemıc nephropathıes, renal, renovascular dıseases,	Zehra Eren, MD Asist.Prof.
		14:30-15:20	Hypertensıve dısorders ın pregnancy	Zehra Eren, MD Asisit.Prof.

28.12..2010	Tuesday	13:30-14:20	Approach to the patıent wıth dyspepsıa	Cengiz Pata, MD Assoc.Prof.
		14:30-15:20	Dıarrhea	Yusuf Ziya Erzin, MD Assist.Prof.
29.12..2010	Wednesday	13:30-14:20	Ascıtes	Cengiz Pata, MD Assoc.Prof.
		14:30-15:20	FOREIGN BODY OF GIS	Yusuf Ziya Erzin, MD Assist.Prof.
30.12.2010	Thursday	13:30-14:20	Lıver Enzyme Dısorder	Cengiz Pata, MD Assoc.Prof.
		14:30-15:20	Chronıc Hepatıtıs	Cengiz Pata, MD Assoc.Prof.
31.12.2010	Friday	13:30-14:20	Cırrhosıs And Hepatıc Coma	Cengiz Pata, MD Assoc.Prof.
		14:30-15:20	Dysphagıa	Yusuf Ziya Erzin, MD Assist.Prof.
03.01.2011	Monday	13:30-14:20	Constıpatıon	Yusuf Ziya Erzin, MD Assoc.Prof.
		14:30-15:20	Gastroıntestınal bleedıng	Cengiz Pata, MD Assoc.Prof.
04.01.2011	Tuesday	13:30-14:20	Approach to the patıent wıth electrolyte dısorders	Zehra Eren , MD Assist.Prof.
		14:30-15:20	Approach to the patıent wıth acıd-base dısorders	Zehra Eren, MD Assist .Prof.
05.01.2011	Wednesday	13:30-14:20	Approach to the patient with connective tissue diseases-	Müge Bıçakçıgil, MD Assist.Prof.
		14:30-15:20	Drug ınteraction	Yaşar Küçükardalı, MD Assoc.Prof.
06.01.2011	Thursday	13:30-14:20	Acute complications of diabetes mellitus	Hasan Aydın, MD Assist.Prof.
		14:30-15:20	Chronic complications of diabetes mellitus	Hasan Aydın, MD Assist.Prof.
07.01.2011	Friday	13:30-14:20	Treatment of diabetes mellitus	Hasan Aydın, MD Assist.Prof.
		14:30-15:20	Splenomegaly and lymphadenopathies	Sami Kartı, MD Assos. Prof.
10.01.2011	Monday	13:30-14:20	Sepsis ve septic shock	Sibel Temür Sakınmaz, MD Assoc.Prof.
		14:30-15:20	Therapeutic approach to AIDS and related opportunistic disorders	Meral Sönmez, MD Prof.
11.01.2011	Tuesday	13:30-14:20	Approach to the patıent wıth acute kıdney ınjury	Gülçin Kantarcı, MD Assoc.Prof.
		14:30-15:20	Approach to the patıent wıth acute kıdney ınjury	Gülçin Kantarcı, MD Assoc.Prof.
12.01.2011	Wednesday	13:30-14:20	Infectious diseases emergencies	Meral Sönmez, MD Prof.
		14:30-15:20	Infectious diseases emergencies	Meral Sönmez, MD Prof.
13.01.2011	Thursday	13:30-14:20	Hypoparathyroidism	Hasan Aydın, MD Assist.Prof.
		14:30-15:20	Hyperparathyroidism	Hasan Aydın, MD Assist.Prof.
14.01.2011	Friday	13:30-14:20	Introductıon to clınıcal oncology …	Başak Oyan Uluç, MD Assoc.Prof.
		14:30-15:20	Prıncıples of chemotherapy and complıcatıons…	Başak Oyan Uluç, MD Assoc.Prof.
17.01.2011	Monday	13:30-14:20	Approach to the patıent wıth chronıc kıdney dısease	Gülçin Kantarcı, MD Assoc.Prof.
		14:30-15:20	Approach to the patıent wıth chronıc kıdney dısease	Gülçin Kantarcı, MD Assoc.Prof.
18.01.2011	Tuesday	13:30-14:20	Metabolic syndrome	Hasan Aydın, MD Prof.
		14:30-15:20	Endocrine hypertension	Hasan Aydın, MD Assist.Prof.
19.01.2011	Wednesday	13:30-14:20	Cushing's syndrome	Hasan Aydın, MD Assist.Prof.
		14:30-15:20	Oncologıc emergencıes	Başak Oyan Uluç, MD Assoc.Prof.
20.01.2011	Thursday	13:30-14:20	Approach to elderly patients	Yaşar Küçükardalı, MD Assoc.Prof.
		14:30-15:20	Approach to elderly patients	Yaşar Küçükardalı, MD Assoc.Prof.
21.01.2011		Colorectal cancer	Başak Oyan Uluç, MD Assoc.Prof.	Colorectal cancer
		Tumor markers	Başak Oyan Uluç, MD Assoc.Prof.	Tumor markers
24.01.2011	Monday	13:30-14:20	Approach ach to the patıent wıth hemoragıc dıathesıs	Sami Kartı, MD Asoss. Prof.

		14:30-15:20	Approach to the patıents wıth lymphoprolıferatıve dısorders	Başak Oyan Uluç, MD Assoc.Prof.
25.01.2011	Tuesday	13:30-14:20	Transfusıon ındıcatıons and reactıons	Meral Sönmezoğlu, MD Assoc.Prof.
		14:30-15:20	Hospital İnfections	Meral Sönmezoğlu, MD Assoc.Prof.
26.01..2011	Wednesday	13:30-14:20	Adrenal ınsufficiency	Hasan Aydın, MD Assist.Prof.
		14:30-15:20	Stem cell transplantatıon	Sami Kartı, MD Assoc.Prof.
27.01.2011	Thursday	13:30-14:20	Approach to the patıents wıth cytopenıa	Sami Kartı, MD Asoss. Prof.
		14:30-15:20	Daıgnosıs and management of hypercoagulapathy	Sami Kartı, MD Asoss. Prof.
28.01.2011	Friday		LUNG CANCER	Başak Oyan Uluç, MD Assoc.Prof.
			Breast cancer	Başak Oyan Uluç, MD Assoc.Prof.
29.01.2011	Monday	13:30-14:20	Metabolic bone disease	Hasan Aydın, MD Assist.Prof.
		14:30-15:20	Cardiopulmonary resuscitation	Sibel Temür Sakınmaz, MD Assoc.Prof.
30.01.2011	Tuesday	13:30-14:20	Hypertension	Gülçin Kantarcı MD Prof.
		14:30-15:20	Hypertension	Gülçin Kantarcı, MD Prof.
08.11.2010	Friday	13:30-14:20	Written Exam	
11.01.2011	Monday	9:00	Final Exam	

CARDIOLOGY

(2 Weeks)

CARDIOLOGY THORETICAL EDUCATION PROGRAM

LECTURE	**TIME**	**DATE**	**LECTURER**
Examination of cardiovascular system	2	22.11.2010	Elif EROĞLU,MD Assoc.Prof.
Clinical electrocardiography	2	23.11.2010	Olcay ÖZVEREN MD Assist.Prof
Ischemic heart disease	2	24.11.2010	Elif EROĞLU,MD Assoc.Prof.
Heart failure	2	25.11.2010	Olcay ÖZVEREN MD Assist.Prof
Heart valve diseases	2	26.11.2010	Elif EROĞLU,MD Assoc.Prof.
Cardiac arrhytmias	2	29.11.2010	Olcay ÖZVEREN MD Assist.Prof
Myocardiyal diseases and cardiomyopathies	1	30.11.2010	Elif EROĞLU,MD Assoc.Prof.
Cardiovascular emergencies	1	30.11.2010	Elif EROĞLU,MD Assoc.Prof.
Rheumatic fever and Infective endocarditis	1	01.12.2010	Olcay ÖZVEREN MD Assist.Prof
Pericardial diseases	1	01.12.2010	Olcay ÖZVEREN MD Assist.Prof
		02.12.2010	
WRITTEN EXAM		03.12.2010	
LECTURE	**TIME**	**DATE**	**LECTURER**
Examination of cardiovascular system	2	14.02.2011	Elif EROĞLU,MD Assoc.Prof.
Clinical electrocardiography	2	15.02.2011	Olcay ÖZVEREN MD Assist.Prof
Ischemic heart disease	2	16.02.2011	Elif EROĞLU,MD Assoc.Prof.
Heart failure	2	17.02.2011	Olcay ÖZVEREN MD Assist.Prof
Heart valve diseases	2	18.02.2011	Elif EROĞLU,MD Assoc.Prof.
Cardiac arrhytmias	2	21.02.2011	Olcay ÖZVEREN MD Assist.Prof
Myocardiyal diseases and cardiomyopathies	1	22.02.2011	Elif EROĞLU,MD Assoc.Prof.
Cardiovascular emergencies	1	22.02.2011	Elif EROĞLU,MD Assoc.Prof.
Rheumatic fever and Infective endocarditis	1	23.02.2011	Olcay ÖZVEREN MD Assist.Prof
Pericardial diseases	1	23.02.2011	Olcay ÖZVEREN MD Assist.Prof
		24.02.2011	
WRITTEN EXAM		25.02.2011	

LECTURE	TIME	DATE	LECTURER
Examination of cardiovascular system	2	22.11.2010	Elif EROĞLU,MD Assoc.Prof.
Clinical electrocardiography	2	23.11.2010	Olcay ÖZVEREN MD Assist.Prof
Ischemic heart disease	2	24.11.2010	Elif EROĞLU,MD Assoc.Prof.
Heart failure	2	25.11.2010	Olcay ÖZVEREN MD Assist.Prof
Heart valve diseases	2	26.11.2010	Elif EROĞLU,MD Assoc.Prof.
Cardiac arrhytmias	2	29.11.2010	Olcay ÖZVEREN MD Assist.Prof
Myocardiyal diseases and cardiomyopathies	1	30.11.2010	Elif EROĞLU,MD Assoc.Prof.
Cardiovascular emergencies	1	30.11.2010	Elif EROĞLU,MD Assoc.Prof.
Rheumatic fever and Infective endocarditis	1	01.12.2010	Olcay ÖZVEREN MD Assist.Prof
Pericardial diseases	1	01.12.2010	Olcay ÖZVEREN MD Assist.Prof
		02.12.2010	
WRITTEN EXAM		03.12.2010	
LECTURE	**TIME**	**DATE**	**LECTURER**
Examination of cardiovascular system	2	14.02.2011	Elif EROĞLU,MD Assoc.Prof.
Clinical electrocardiography	2	15.02.2011	Olcay ÖZVEREN MD Assist.Prof
Ischemic heart disease	2	16.02.2011	Elif EROĞLU,MD Assoc.Prof.
Heart failure	2	17.02.2011	Olcay ÖZVEREN MD Assist.Prof
Heart valve diseases	2	18.02.2011	Elif EROĞLU,MD Assoc.Prof.
Cardiac arrhytmias	2	21.02.2011	Olcay ÖZVEREN MD Assist.Prof
Myocardiyal diseases and cardiomyopathies	1	22.02.2011	Elif EROĞLU,MD Assoc.Prof.
Cardiovascular emergencies	1	22.02.2011	Elif EROĞLU,MD Assoc.Prof.
Rheumatic fever and Infective endocarditis	1	23.02.2011	Olcay ÖZVEREN MD Assist.Prof
Pericardial diseases	1	23.02.2011	Olcay ÖZVEREN MD Assist.Prof
		24.02.2011	
WRITTEN EXAM		25.02.2011	

CARDIOLOGY THORETICAL EDUCATION PROGRAM

LECTURE	**TIME**	**DATE**	**LECTURER**
Examination of cardiovascular system	2	22.11.2010	Elif EROĞLU,MD Assoc.Prof.
Clinical electrocardiography	2	23.11.2010	Olcay ÖZVEREN MD Assist.Prof
Ischemic heart disease	2	24.11.2010	Elif EROĞLU,MD Assoc.Prof.
Heart failure	2	25.11.2010	Olcay ÖZVEREN MD Assist.Prof
Heart valve diseases	2	26.11.2010	Elif EROĞLU,MD Assoc.Prof.
Cardiac arrhytmias	2	29.11.2010	Olcay ÖZVEREN MD Assist.Prof
Myocardiyal diseases and cardiomyopathies	1	30.11.2010	Elif EROĞLU,MD Assoc.Prof.
Cardiovascular emergencies	1	30.11.2010	Elif EROĞLU,MD Assoc.Prof.
Rheumatic fever and Infective endocarditis	1	01.12.2010	Olcay ÖZVEREN MD Assist.Prof
Pericardial diseases	1	01.12.2010	Olcay ÖZVEREN MD Assist.Prof
		02.12.2010	
WRITTEN EXAM		03.12.2010	
LECTURE	**TIME**	**DATE**	**LECTURER**
Examination of cardiovascular system	2	14.02.2011	Elif EROĞLU,MD Assoc.Prof.
Clinical electrocardiography	2	15.02.2011	Olcay ÖZVEREN MD Assist.Prof
Ischemic heart disease	2	16.02.2011	Elif EROĞLU,MD Assoc.Prof.
Heart failure	2	17.02.2011	Olcay ÖZVEREN MD Assist.Prof
Heart valve diseases	2	18.02.2011	Elif EROĞLU,MD Assoc.Prof.
Cardiac arrhytmias	2	21.02.2011	Olcay ÖZVEREN MD Assist.Prof
Myocardiyal diseases and cardiomyopathies	1	22.02.2011	Elif EROĞLU,MD Assoc.Prof.
Cardiovascular emergencies	1	22.02.2011	Elif EROĞLU,MD Assoc.Prof.
Rheumatic fever and Infective endocarditis	1	23.02.2011	Olcay ÖZVEREN MD Assist.Prof
Pericardial diseases	1	23.02.2011	Olcay ÖZVEREN MD Assist.Prof
		24.02.2011	
WRITTEN EXAM		25.02.2011	

CHILD HEALTH AND PEDIATRICS (10 Weeks)

MD. LÜTFİ KIRDAR KARTAL TRAINING AND RESEARCH HOSPITAL PEDIATRICS

Learning objectives

AIM

The aims of the clerkship are;

- Get experienced in history taking, improve their skill in physical examination,
- Learn the normal developmental phases during newborn, infancy and, childhood,
- Gain experience in the developmental delays and disorders,
- Get experience in common childhood diseases,
- Learn the clinical symptoms and signs of common diseases,
- Diagnose and treat common childhood diseases,
- Learn which diseases should be referred to the specialized centers,
- Learn the emergency treatment of common disorders,

OBJECTIVES

A. In this clerkship, the student must learn how to carry out and/or evaluate the followings

- Take a detailed,relavant history of the child and his/her family,
- Perform a detailed systematic physical examination of the child or neonate correctly,keeping in mind the special features according to the age of patient,
- Assess the physical-motor-mental development of a healthy child,
- Assess the antropometric evaluation in proper techniques and use percentile charts,
- Perform intravenous,intramuscular,subcutaneous injections,obtain blood,vaccinate children,
- Rescussitation of neonates and children,
- Obtaining pharyngeal swab,faecal,urine cultures,
- Evaluation of peripheral blood smear,
- Evaluation of urine test and sediments,
- Assess arterial blood gas,
- Assess complete blood count,
- Evaluation of pediatric ECG
- Evaluation of serum elecrolyte, renal function tests,hepatic function tests and thyroid function tests,
- Assess chest X-rays
- Care of the umbilicus in newborn,

B. In this Clerkship, the student must learn how to perform and evaluate the followings.

- Perform a lumbar puncture,
- Analyse and evaluate the cerebrospinal fluid,

- Otoscopic and opthalmoscopic evaluation,
- Search occult blood in the stool,
- Microscopic examination of stool,
- Insertion of urethral catheter,
- Insertion of nasogastric catheter,
- Thoracentesis,
- Use a nebuliser,
- Apply and evaluate results of pulse oximeter,
- Use a cardiac monitor and obtain an ECG,
- Measure blood sugar with a Glycometer,
- Apply and follow up phototherapy,
- Preparing a pedigree,

C. In this Clerkship, students should observe and become familiar with the followings.

- Bone marrow aspiration,
- Paracentesis,
- Exchange transfusion,
- Pulmonary fuction tests,
- Intraarticular intervention
- Liver, renal and rectal biopsies,
- Diagnostic and therapeutic endoscopy,
- Echocardiaography,
- Cardiac catheterisation,
- Application of prick test
- Endocrinological provocation and inhibition tests,
- Nasal smear,
- 24 hour pH monitoring and reflux tests,
- Gl motility,

D. By the and of the Clerkship, students are expected to have assimilated the principles of the followings.

- Respect for patient rights and well-balanced relations with the patients' relatives
- Maintain good relations with collagues and teaching staff,be analytical and research orientated,
- Maintain good relations with other health staff
- How to ask for a consultation
- Use written and on-line sources correctly
- Give information about the patient's condition clearly to patient and family
- Observe infection control regulations when working on the ward and in the polyclinics

Pediatrics group B

(13.09.2010-19.11.2010)

DATE		TIME	LECTURE	Lecturer	
13.09.2010	Monday	13:00-13:50	Introduction to Pediatrics, history taking and physical examination	A.Vitrinel	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Neurological examination	A.Vitrinel	
14.09.2010	Tuesday	11:00-11:50	Cardiovascular system examination	G.Ç.Erdağ	K.E.A.H.: Teorik dersler hastane seminer salonunda
		12:00-12:50	Electrocardiographic principles	G.Ç.Erdağ	K.E.A.H.: Teorik dersler hastane seminer salonunda
15.09.2010	Wednesday	13:00-13:50	Gastrointestinal and genitourinary system examination	T.Ağzıkuru	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Respiratory system examination	A.Özen	K.E.A.H.: Teorik dersler hastane seminer salonunda
16.09.2010	Thursday	13:00-13:50	Newborn examination	Y.Akın	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Prematurity, postmaturity	Y.Akın	K.E.A.H.: Teorik dersler hastane seminer salonunda
17.09.2010	Friday	10:00-10:50	Basic principles and practice of clinical biochemistry	S.Öztezcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		11:00-11:50	Liver function and enzymes	S.Öztezcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		13:00-13:50	Growth and development	A.Vitrinel	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Growth retardation	A.Vitrinel	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
20.09.2010	Monday	13:00-13:50	Nutrition	Y.Akın	K.E.A.H.: Teorik dersler hastane seminer salonunda

		14:00-14:50	Nutrition	Y.Akın	K.E.A.H.: Teorik dersler hastane seminer salonunda
21.09.2010	Tuesday	13:00-13:50	Malnutrition	A.Vitrinel	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Malabsorbtion	M.Gülcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
22.09.2010	Wednesday	13:00-13:50	Vitamin deficiencies	Y.Akın	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Rickets	Y.Akın	K.E.A.H.: Teorik dersler hastane seminer salonunda
23.09.2010	Thursday	11:00-11:50	Adrenal Hypofuncition	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
		13:00-13:50	Obesity	P.Boran	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Parasitosis	P.Boran	K.E.A.H.: Teorik dersler hastane seminer salonunda
24.09.2010	Friday	10:00-10:50	Carbohyrates and diabetes mellitus	S.Öztezcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		11:00-11:50	Lipids and cardiac markers	S.Öztezcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		13:00-13:50	Approach to the child with fever	H.Ö.Karatepe	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Calcium metabolism hyperparatiroidism, hypoparatiroidism	H.Ercan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
27.09.2010	Monday	13:00-13:50	Immunization principles	A.Vitrinel	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Vaccination	A.Vitrinel	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında

28.09.2010	Tuesday	11:00-11:50	Introduction to anemia, iron deficiency anemia	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
		12:00-12:50	Non-hemolytic anemias	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
29.09.2010	Wednesday	13:00-13:50	Fluid and electrolyte disorders	T.Ağzıkuru	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Acid-base disorders	T.Ağzıkuru	K.E.A.H.: Teorik dersler hastane seminer salonunda
30.09.2010	Thursday	13:00-13:50	Hemolytic anemias	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Hemolytic anemias	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
01.10.2010	Friday	10:00-10:50	Urinalysis and other body fluids	S.Öztezcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		11:00-11:50	Renal function, electrolytes and acid-base balance	S.Öztezcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		13:00-13:50	Hypertension	A.Özen	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Puberty and pubertal disorders	A.Özen	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
04.10.2010	Monday	13:00-13:50	Disorders of coagulation	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Disorders of coagulation	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
05.10.2010	Tuesday	11:00-11:50	Tubulopathies	G.Ç.Erdağ	K.E.A.H.: Teorik dersler hastane seminer salonunda
		12:00-12:50	Urinary tract infections	G.Ç.Erdağ	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Infections of CNS	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda

06.10.2010	Wednesday	13:00-13:50	Acute glomerulonephritis	S.Sadıkoğlu	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Nephrotic syndrome	S.Sadıkoğlu	K.E.A.H.: Teorik dersler hastane seminer salonunda
07.10.2010	Thursday	13:00-13:50	Acute renal failure	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Chronic renal failure	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
08.10.2010	Friday	10:00-10:50	Hematology and coagulation	S.Öztezcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		11:00-11:50	Evaluation of endocrine function	S.Öztezcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		13:00-13:50	Upper Respiratory Tract Infection	R.Cengizlier	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Lower Respiratory Tract Infection	R.Cengizlier	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
11.10.2010	Monday	13:00-13:50	Thrombosis	G. Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Stroke	A.Vitrinel	K.E.A.H.: Teorik dersler hastane seminer salonunda
12.10.2010	Tuesday	13:00-13:50	Hepatitis	M.Gülcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Hepatitis	M.Gülcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
13.10.2010	Wednesday	13:00-13:50	Acute gastroenteritis	P.Boran	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Inborn Erros of Metabolism	G.Ç.Erdağ	K.E.A.H.: Teorik dersler hastane seminer salonunda
14.10.2010	Thursday	13:00-13:50	Diabetes Mellitus	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda

		14:00-14:50	Diabetes Mellitus	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
15.10.2010		10:00-10:50	Specific proteins and tumor markers	S.Öztezcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		11:00-11:50	Blood gases, vitamins and trace elements	S.Öztezcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		12:00-12:50	Immunolocigal tests and principles	G.Y.Demirel	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		13:00-13:50	Neuroimmunology	G.Y.Demirel	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
18.10.2010	Monday	10:00-10:50	Congenital heart disease	V.Tavlı	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		11:00-11:50	Congestive heart failure	V.Tavlı	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		13:00-13:50	Infective Endocarditis	V.Tavlı	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Diseases of myocardium and pericardium	V.Tavlı	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
19.10.2010	Tuesday	10:00-10:50	Blood transfusions and complications	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
		13:00-13:51	Chromosomal diseases	A.Özen	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
			Chromosomal diseases	A.Özen	
		14:00-14:50	Shock	S.Biçer	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
20.10.2010	Wednesday	13:00-13:50	Maculopapular-vesicular diseases	A.Vitrinel	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Tetanus, diphteria, mumps	A.Vitrinel	K.E.A.H.: Teorik dersler hastane seminer salonunda

21.10.2010	Thursday	13:00-13:50	Connective Tıssue Diseases	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Vasculitic Syndromes	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
22.10.2010	Friday	10:00-10:50	Viral paralytic diseases	M.Berber	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		11:00-11:50	Tuberculosis	R.Cengizlier	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		12:00-12:50	Diagnostic tests in immune deficiencies	G.Y.Demierel	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		13:00-13:50	İmmunology of transplation	G.Y.Demierel	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
25.10.2010	Monday	13:00-13:50	Abdominal pain and peptic diseases,H.pylori infection	M.Gülcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Inflammatory bowel diseases	M.Gülcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
26.10.2010	Tuesday	13:00-13:50	Thyroid disorders and Congenital hypothyridism	F.Tiker	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Neonatal infections	F.Tiker	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		15:00-15:50	Hemotological and metabolic disorders in newborn	H.Ö.Karatepe	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
27.10.2010	Wednesday	13:00-13:50	Wheezy infant	R.Cengizlier	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Asthma	R.Cengizlier	K.E.A.H.: Teorik dersler hastane seminer salonunda
01.11.2010	Monday	13:00-13:50	Neonatal Hyperbilirubinemia	F.Tiker	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında

		14:00-14:50	Respiratory Distress Syndrome	F.Tiker	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
02.11.2010	Tuesday	13:00-13:50	Intoxication	S.Biçer	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Cirrhosis, portal hypertension	M.Gülcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
03.11.2010	Wednesday	13:00-13:50	Urticeria, atopic dermatitis	R.Cengizlier	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Acute rheumatic fever	A.Vitrinel	K.E.A.H.: Teorik dersler hastane seminer salonunda
04.11.2010	Thursday	13:00-13:50	Introduction to Pediatric Oncology	G. Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Malignancy in childhood	G. Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
05.11.2010	Friday	10:00-10:50	Approach to the patient with convulsion	M.Berber	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		11:00-11:50	Neonatal convulsions	M.Berber	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		12:00-12:50	Cancer İmmunology	G.Y.Demirel	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		13:00-13:50	Autoimmunity and Diagnostic Tests	G.Y.Demirel	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
08.11.2010	Monday				
			FREE TIME		
09.11.2010	Tuesday	FREE TIME			

10.11.2010	Wednesday	FREE TIME	
11.11.2010	Thursday	WRITTEN EXAM	KAMPÜS
12.11.2010	Friday	ORAL EXAM	K.E.A.H

Pediatrics group A
(20.12.2010-25.02.2011)

DATE		TIME	LECTURE	Lecturer	
20.12.2010	Monday	13:00-13:50	Introduction to Pediatrics, history taking and physical examination	A.Vitrinel	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Neurological examination	A.Vitrinel	
21.12.2010	Tuesday	11:00-11:50	Cardiovascular system examination	G.Ç.Erdağ	K.E.A.H.: Teorik dersler hastane seminer salonunda
		12:00-12:50	Electrocardiographic principles	G.Ç.Erdağ	K.E.A.H.: Teorik dersler hastane seminer salonunda
22.12.2010	Wednesday	13:00-13:50	Gastrointestinal and genitourinary system examination	T.Ağzıkuru	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Respiratory system examination	A.Özen	K.E.A.H.: Teorik dersler hastane seminer salonunda
23.12.2010	Thursday	13:00-13:50	Newborn examination	Y.Akın	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Prematurity, postmaturity	Y.Akın	K.E.A.H.: Teorik dersler hastane seminer salonunda
24.12.2010	Friday	10:00-10:50	Basic principles and practice of clinical biochemistry	S.Öztezcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		11:00-11:50	Liver function and enzymes	S.Öztezcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		13:00-13:50	Growth and development	A.Vitrinel	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Growth retardation	A.Vitrinel	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
27.12.2010	Monday	13:00-13:50	Nutrition	Y.Akın	K.E.A.H.: Teorik dersler hastane seminer salonunda

		14:00-14:50	Nutrition	Y.Akın	K.E.A.H.: Teorik dersler hastane seminer salonunda
28.12.2010	Tuesday	13:00-13:50	Malnutrition	A.Vitrinel	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Malabsorbtion	M.Gülcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
29.12.2010	Wednesday	13:00-13:50	Vitamin deficiencies	Y.Akın	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Rickets	Y.Akın	K.E.A.H.: Teorik dersler hastane seminer salonunda
30.12.2010	Thursday	13:00-13:50	Obesity	P.Boran	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Parasitosis	P.Boran	K.E.A.H.: Teorik dersler hastane seminer salonunda
03.01.2011	Monday	13:00-13:50	Immunization principles	A.Vitrinel	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Vaccination	A.Vitrinel	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
04.01.2011	Tuesday	11:00-11:50	Introduction to anemia, iron deficiency anemia	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
		12:00-12:50	Non-hemolytic anemias	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
05.01.2011	Wednesday	13:00-13:50	Fluid and electrolyte disorders	T.Ağzıkuru	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Acid-base disorders	T.Ağzıkuru	K.E.A.H.: Teorik dersler hastane seminer salonunda

06.01.2011	Thursday	13:00-13:50	Hemolytic anemias	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Hemolytic anemias	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
07.01.2011	Friday	10:00-10:50	Carbohyrates and diabetes mellitus	S.Öztezcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		11:00-11:50	Lipids and cardiac markers	S.Öztezcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		13:00-13:50	Approach to the child with fever	H.Ö.Karatepe	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Calcium metabolism hyperparatiroidism, hypoparatiroidism	H.Ercan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
10.01.2011	Monday	13:00-13:50	Disorders of coagulation	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Disorders of coagulation	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
11.01.2011	Tuesday	11:00-11:50	Tubulopathies	G.Ç.Erdağ	K.E.A.H.: Teorik dersler hastane seminer salonunda
		12:00-12:50	Urinary tract infections	G.Ç.Erdağ	K.E.A.H.: Teorik dersler hastane seminer salonunda
12.01.2011	Wednesday	13:00-13:50	Acute glomerulonephritis	S.Sadıkoğlu	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Nephrotic syndrome	S.Sadıkoğlu	K.E.A.H.: Teorik dersler hastane seminer salonunda
13.01.2011	Thursday	13:00-13:50	Acute renal failure	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Chronic renal failure	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
14.01.2010	Friday	10:00-10:50	Urinalysis and other body fluids	S.Öztezcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında

		11:00-11:50	Renal function, electrolytes and acid-base balance	S.Öztezcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		13:00-13:50	Hypertension	A.Özen	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Puberty and pubertal disorders	A.Özen	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
17.01.2011	Monday	13:00-13:50	Thrombosis	G. Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Stroke	A.Vitrinel	K.E.A.H.: Teorik dersler hastane seminer salonunda
18.01.2011	Tuesday	13:00-13:50	Hepatitis	M.Gülcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Hepatitis	M.Gülcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
19.01.2011	Wednesday	13:00-13:50	Acute gastroenteritis	P.Boran	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Inborn Erros of Metabolism	G.Ç.Erdağ	K.E.A.H.: Teorik dersler hastane seminer salonunda
20.01.2011	Thursday	13:00-13:50	Diabetes Mellitus	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Diabetes Mellitus	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
21.01.2011	Friday	10:00-10:50	Hematology and coagulation	S.Öztezcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		11:00-11:50	Evaluation of endocrine function	S.Öztezcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		13:00-13:50	Upper Respiratory Tract Infection	R.Cengizlier	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında

		14:00-14:50	Lower Respiratory Tract Infection	R.Cengizlier	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
24.01.2011	Monday	10:00-10:50	Congenital heart disease	V.Tavlı	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		11:00-11:50	Congestive heart failure	V.Tavlı	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		13:00-13:50	Infective Endocarditis	V.Tavlı	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Diseases of myocardium and pericardium	V.Tavlı	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
25.01.2011	Tuesday	13:00-13:50	Chromosomal diseases	A.Özen	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Shock	S.Biçer	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
26.01.2011	Wednesday	13:00-13:50	Maculopapular-vesicular diseases	A.Vitrinel	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Tetanus, diphteria, mumps	A.Vitrinel	K.E.A.H.: Teorik dersler hastane seminer salonunda
27.01.2011	Thursday	13:00-13:50	Connective Tıssue Diseases	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Vasculitic Syndromes	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
28.01.2011	Friday	10:00-10:50	Specific proteins and tumor markers	S.Öztezcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		11:00-11:50	Blood gases, vitamins and trace elements	S.Öztezcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		13:00-13:50	Immunolocigal tests and principles	G.Y.Demirel	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Neuroimmunology	G.Y.Demirel	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat

					anatomik çizim odasında
31.01.2011	Monday	13:00-13:50	Abdominal pain and peptic diseases,H.pylori infection	M.Gülcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Inflammatory bowel diseases	M.Gülcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
01.02.2011	Tuesday	13:00-13:50	Thyroid disorders and Congenital hypothyridism	F.Tiker	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Neonatal infections	F.Tiker	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
02.02.2011	Wednesday	13:00-13:50	Wheezy infant	R.Cengizlier	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Asthma	R.Cengizlier	K.E.A.H.: Teorik dersler hastane seminer salonunda
03.02.2011	Thursday	13:00-13:50	Infections of CNS	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Blood transfusions and complications	G.Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
04.02.2011	Friday	10:00-10:50	Viral paralytic diseases	M.Berber	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		11:00-11:50	Tuberculosis	R.Cengizlier	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		13:00-13:50	Diagnostic tests in immune deficiencies	G.Y.Demierel	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	İmmunology of transplation	G.Y.Demierel	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
07.02.2011	Monday	13:00-13:50	Neonatal Hyperbilirubinemia	F.Tiker	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Respiratory Distress Syndrome	F.Tiker	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında

08.02.2011	Tuesday	13:00-13:50	Intoxication	S.Biçer	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Cirrhosis, portal hypertension	M.Gülcan	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
09.02.2011	Wednesday	13:00-13:50	Urticeria, atopic dermatitis	R.Cengizlier	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Acute rheumatic fever	A.Vitrinel	K.E.A.H.: Teorik dersler hastane seminer salonunda
10.02.2011	Thursday	13:00-13:50	Introduction to Pediatric Oncology	G. Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
		14:00-14:50	Malignancy in childhood	G. Tokuç	K.E.A.H.: Teorik dersler hastane seminer salonunda
11.02.2011	Friday	13:00-13:50	Cancer İmmunology	G.Y.Demirel	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Autoimmunity and Diagnostic Tests	G.Y.Demirel	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
14.02.2011	Monday	13:00-13:50	Approach to the patient with convulsion	M.Berber	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
		14:00-14:50	Neonatal convulsions	M.Berber	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
15.02.2011	Tuesday	13:00-13:50	Hemotological and metabolic disorders in newborn	H.Ö.Karatepe	KAMPÜS:Y.Ü.Tıp Fakültesi 5.kat anatomik çizim odasında
16.02.2011	Wednesday	FREE TIME			
17.02.2011	Thursday	11:00-11:50	Adrenal Hypofuncition	G.Tokuç	K.E.A.H.: Teorik dersler hastane

					seminer salonunda
18.02.2011	Friday		Dıscussion	A.Vitrinel	
21.02.2011	Monday		FREE TIME		
23.02.2011	Wednesday		FREE TIME		
24.02.2011	Thursday		WRITTEN EXAM		KAMPÜS
25.02.2011	Friday		ORAL EXAM		K.E.A.H

GENERAL SURGERY
(6 Weeks)

YEDİTEPE UNIVERSITY HOSPITAL
&
HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL

(Course definitions)

1. 1 Inflammatory bowel disease
    - Etiology
    - Pathophsiology
    - Diagnosis
    - Treatment
    - Surgical treatment indications
    - Surgical treatment options
    - Long term results of treatment methods

1. 2 Acute appendicitis
    - Etiology
    - Pathophsiology
    - Diagnosis
    - Treatment

1. 3 Hydatid disease of liver – Liver abcess and tumors
    - Etiology of hydatid disease
    - Diagnosis of hydatid disease
    - Treatment options of hydatid disease

    - Importance and etiology of liver abcess (routes of dissemination, microbiology)
    - Diagnosis of liver abcess
    - Treatment options of liver abcess

    - Etiology and epidemiology of liver tumors
    - Staging of liver tumors
    - Diagnostic workup
    - Surgical therapy
    - Recent treatment alternatives

1. 4 Pancreatitis
    - Acute pancreatitis
    - Etiology
    - Pathophysiology – Grading – Mortality figures

- Diagnosis – diagnostic pitfalls
- Complications
- Therapeutic options
- Surgical intervention indications

- Chronic pancreatitis
- Etiology
- Pathophsiology
- Diagnosis and treatment

1. 5 Periampullary malignancies
   - Etilogy
   - Classification
   - Diagnosis
   - Prognosis
   - Therapeutic options
   - Longterm results

1. 6 Pysical examinations in surgery
   - History taking
   - Sing and symptoms relevant in surgery
   - Systemic examination
   - Local and organospesific examination

1. 7 Fluid and electrolyte therapy
   - Composition of body fluids
   - Alterations in the fluid compartments
   - Therapy of electrolyte derangements
   - Therapeutic implications of fluid and electroyte administration
   - Acid-base disorders

1. 8 Gastrointestinal bleeding – Disorders of coagulation
   - Etiology
   - Classi fication
   - Emergency measures
   - Diagnosis
   - Spesific measures
   - Surgical methods

   - Coagulation mechanism
   - Circulating anticoagulants
   - Hypercoaguatory states

- Bleeding disorders due to thrombocyte pathologies
- Bleeding disorders due to coagulation cascade abnormalities (including fibrinolytic syndrome)
- Therapeutic measures and bleeding disorders due to therapy

1. 9 Shock and its treatment
   - Homeostasis
   - Neurologic, endocrine, cytokin, molecular responses to hypovolemia
   - Clinical implication of responses
   - Therapeutic measures
   - Monitoring the therapeutic measures

1. 10 Septic shock and its treatment
   - Etiology of septic shock
   - Pathophysiology of sepsis
   - Treatment in septic shock
   - Monitoring the patient

1. 11 Diseases of the gallbladder and biliary tree
   - Anatomy of the biliary tree
   - Pathophysiology of gallstone formation
   - Gallstone disease
   - Therapy options
   - Surgical therapy indications

   - Malformations of the biliary tree
   - Tumors of the biliary tree

1. 12 Acute abdomen – peritonitis
   - Etiology
   - Symptom and signs
   - Laboratory assesment – Imaging
   - Therapy

   - Anatomy of the peritoneal sac
   - Classification of peritonitis
   - Etiological spectrum
   - Diagnostic measures
   - Therapeutic measures

1. 13 Colorectal carcinoma – Anorectal diseases
   - Epidemiology and etiology of colorectal carcinoma
   - Genetic considerations

- Clinical presentation
- Diagnosis
- Staging
- Therapeutic options and ancillary measures
- Long term results

- Anatomy of anorectum
- Fissura ani
- Hemorroidal disease
- Perirectal abcess
- Fistula in ano

1. 14 Hernias
   - Definition
   - Classification
   - Groin hernias
   - Clinical findings
   - Surgical treatment (including laparoscopy and prosthtetic meshes)

   - Ventral hernias
   - Etiology
   - Surgery for ventral hernias
   - Prosthetic mesh applications

   - Rare hernias

1. 15 Abdominal trauma
   - General considerations (Etiology, morbidity, mortality)
   - General diagnostic and therapeutic measures outside the emergency department
   - Patient triage and transportation
   - Hospital phase patient care
     - In the emergency department
     - Injury spesific care
   - Mass causalties- Catastrophies

1. 16 Diseases of the thyroid gland and parathyroid glands
   - Thyroid gland anatomy
   - Inflamatory diseses
   - Hyperthyroidism
   - Thyroid nodule
   - Multinodular goitre
   - Neoplasms of the thyroid

- Parathyroid glands anatomy and embryology
- Parathormone
- Primary hyperparathyroidism
    - Metabolic complications
    - Asymptomatic hyperparathyroidism
    - Normocalcemic primary hyperparathyroidism
    - Treatment
    - Recurrent hyperparathyroidism
- Secondary hyperparathyroidism
- Hypoparathyroidism

1. 17 The systemic response to injury
    - Etiology
    - Pathophsiology
    - Diagnosis
    - Treatment

1. 18 Diseases of the breast
    - Anatomy
    - Developmental disorders
    - Mammography
    - Benign breast disorders
        - Fibrocytic disease
        - Fibroadenoma
        - Nipple discharge
    - Breast cancer
        - Epidemiology
        - Pathology
        - Surgical therapy and therapy options
        - Adjuant therapy

1. 19 Bening and malignant disease of the stomach
    - Anatomy
    - Physiology
    - Benign diseases of the stomach
        - Peptic ulcer disease
        - H.Pylori infection and consequences
    - Gastric cancer
    - Malignant diseases of the stomach other than cancer

1. 20 Surgical infections and soft tissue tumors
    - Surgical wound infections

- Prevention and treatment of surgical wound infections
- Soft tissue infections
    - Necrotizing infections
- Tetanus

- Soft tissue tumors

1. 21 Benign and malignant disease of the oesophagus
    - Congenital abnormalities
    - Caustic burns
    - Foreign bodies
    - Perforations
    - Motility disorders
    - Diverticula
    - Hiatus hernia – Gastroesophageal reflux
    - Barret's esophagus
    - Esophageal varices
    - Tumors
        - Benign tumors
        - Malignant tumors

1. 22 Transplantation (Liver, Renal and pancreas)
    - Immunology – Allogreft – Organ donation
    - Donor selection
    - Surgical procedures
    - Monitorization of graft function

1. 23 Intestinal obstruction
    - Definition and classification
    - Etiology
    - Diagnostic measures
    - Therapy options

1. 24 Disorders of adrenals and spleen
    - Anatomy and physiology of the spleen
    - Trauma and hematologic disorders
    -
    - Tumors of the adrenal glands
    - Adrenal insufficiency

1. 25 Surgical Nutrition
    - Metabolic Adaptations in catabolic states and regulation of nitrogen balance

- Fundamentals of nutrition
- Practical approach to nutrition
- Controversies in nurition
- Laboratory assesment
- Complications

Practical courses
(Course definitions)

2. 1 Abdominal examination
- 2 Surgical instruments
  - General categories of surgical inntruments

- 3 Sutures
  - Types of surgical sutures
  - Choices of utilization

- 4 Catheters
  - Types of catheters
  - Maintenance

- 5 Vascular access
  - On patient practice

- 6 Intravenous treatment
  - Practical hints on intravenous fluid therapy

- 7 Patient monitorization
  - Routine and close observation of the patients in non ICU conditions

- 8 Disinfection

- 9 Wound care
  - Routine post operative wound care
  - Care of necrotizing soft tissue infections
  - Care of bed sores

- 10 Diabetic foot
  - Pathogenesis of diabetic foot
  - Care of diabetic foot

- 11 Endoscopy

- General concept of endoscopy
- Indications of endoscopy
- Application of endoscopy in the endoscopy unit

- 12 Blood transfusions
  - Clinical practice and hints on blood transfusion

- 13 Examination of the trauma patient
- 14 Management of the trauma patient
  - 13+14
    - General interactive course in the emergency department

- 15 Biopsy methods
  - Harvesting biopsies especially on outpatient basis

- 16 Total parenteral and total enteral nutrition
  - Clinical application of TPN and TEN
  - Calculating daily caloric needs
  - Tailoring the fluid administration due to patients' spesific conditions

- 17 Thyroid examination

1. 18 Anorectal examination

2. 19 Breast examination

2. 20 Thoracic examination

2. 21 Forensic examination
   - Hints on examining, recording and reporting criminal cases

2. 22 Patient transport

2. 23 Methods of imaging
   - Summarizing the upto date imaging methods of choice

2. 24 Hernia examination

2. 25 Management of burn wound
   - Immediate wound care in the emergency department
   - Routine daily burn wound management

THEORETICAL EDUCATIONAL PROGRAM

Inflamatuar bowel disease	MD Prof. Mehmet Çağlıkülekçi
Acute appendicitis	MD Assist Prof.Baki Ekçi
Hydatid disease of liver – liver abcess and tumors	MD Assist Prof.Baki Ekçi
Pancreatitis	MD Assist Prof.Murat Kalaycı
Periampullary malignancies	MD Prof. Özcan Gökçe
Physical examination of surgery	MD Prof. Alp Demirağ
Fluid and electrolyte therapy	MD Prof.Alp Demirağ
Gastrointestinal bleeding – Disorders of coagulation	MD Assist Prof.Murat Kalaycı
Shock and its treatment	MD Assist Prof.Baki Ekçi
Septic shock and its treatment	MD Prof.Mehmet Çağlıkülekçi
Disease of the gallbladder and biliary tree	MD Assist Prof.Baki Ekçi
Acute abdomen – peritonitis	MD Assist Prof.Murat Kalaycı
Colorectal carcinoma – Anorectal Disease	MD Assist Prof.Murat Kalaycı
Hernias	MD Assist Prof.Baki Ekçi
Abdominal Trauma	MD Assist Prof.Murat Kalaycı
Disease of thyroid gland and parathyroid glands	MD Prof.Özcan Gökçe
The systemic response to injury	MD Prof.Özcan Gökçe
Disease of the breast	MD Prof. Alp Demirağ
Bening and malignant disease of the stomach	MD Prof.Mehmet Çağlıkülekçi
Surgical infections and soft tissue tumors	MD Assist Prof.Baki Ekçi
Bening and malignant disease of the oesophagus	MD Prof.Mehmet Çağlıkülekçi
Surgical nutrition	MD Prof. Alp Demirağ
Intestinal obstruction	MD Prof.Mehmet Çağlıkülekçi
Disease of the adrenal glands and spleen	MD Prof. Alp Demirağ
Liver Transplantation Renal and pancreas transplantation	MD Prof. Özcan Gökçe MD Prof. Alp Demirağ

HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL **GENERAL SURGERY PRACTICAL EDUCATIONAL PROGRAMME**

Date	Day	Time	Subject
Pazartesi	11:00-11:50	Sutures	İ.Berber, R.Kurt,G.Okuyan, M.Odabaşı, E.Özkan
Salı	11:00-11:50	Surgical instruments	O.Krand, E.Altınlı, Y.User, T.Müftüoğlu,E.Dulundu
Çarşamba	11:00-11:50	Vascular access	G.Tellioğlu,ÖF Özkan, G.Okuyan, H.Pekcan, E.Dulundu
Perşembe	11:00-11:50	Catheters	G.Tellioğlu, R.Kurt, Y.User, G.Gürleyik, M.K.Yıldız
Cuma	11:00-11:50	Abdominal examination	İ.Titiz,E.Altınlı Y.User, T.Müftüoğlu,E.Özkan
Cumartesi			
Pazar			
Pazartesi	11:00-11:50	Patient monitorization	O.Krand, N.Köksal, M.Tilki, T.Müftüoğlu,E.Özkan
Salı	11:00-11:50	Wound care	İ.Titiz, R.Kurt, Y.User, A.Aktekin, M.K.Yıldız
Çarşamba	11:00-11:50	Disinfection	M.Kara, E.Altınlı, M.Tilki, M.Odabaşı, M.K.Yıldız
Perşembe	11:00-11:50	i.v treatment	M.Kara, A.Çelik,M.Tilki, A.Aktekin, E.Özkan
Cuma	11:00-11:50	Diabetic foot	LZ Özel, ÖF Özkan, Y.User, G.Gürleyik,E.Özkan
Cumartesi			
Pazar			
Pazartesi	11:00-11:50	Blood transfusions	O.Krand,A.Çelik, M.Tilki, M.Odabaşı, Y.Özel
Salı	11:00-11:50	Endoscopy	O.Krand, A.Çelik, M.Tilki, T.Müftüoğlu, E.Dulundu
Çarşamba	11:00-11:50	Examination of the trauma patient	LZ Özel, N.Köksal, G.Okuyan, G.Gürlyik, E.Özkan
Perşembe	11:00-11:50	Management of the trauma patient	M.Kara, E.Altınlı, M.Tilki, M.Odabaşı, E.Dulundu
Cuma	11:00-11:50	Biopsy methods	İ.Berber, M.Kayhan, Y.User, A.Aktekin, M.K.Yıldız
Cumartesi			
Pazar			
Pazartesi	11:00-11:50	Thoracic examination	G.Tellioğlu, M.Kayhan, H.Tanrıkulu, G.Gürleyik, E.Dulundu
Salı	11:00-11:50	Examination of the thyroid	G.Tellioğlu, N.Köksal,Y.User, M.Odabaşı, E.Özkan
Çarşamba	11:00-11:50	Anorectal examination	O.Krand, R.Kurt. M.Tilki, A.Aktekin, E.Dulundu
Perşembe	11:00-11:50	Breast examination	LZ Özel, A.Çelik, Y.User, M.Odabaşı, E.Özkan
Cuma	11:00-11:50	TPN-TEN	M.Kara, N.Köksal, Y.User,T.Müftüoğlu,E.Özkan
Cumartesi			
Pazar			
Pazartesi	11:00-11:50	Forensic examination	E.Erdoğdu, R.Kurt, M.Tilki, H.Pekcan, E.Özkan
Salı	11:00-11:50	Patient transport	O.Krand, ÖF Özkan G.Okuyan, M.Odabaşı, M.K.Yıldız
Çarşamba	11:00-11:50	Hernia examination	E.Ünal, ÖF Özkan, G.Okuyan, G.Gürleyik,E.Özkan
Perşembe	11:00-11:50	Methods of imaging	E.Ünal, N.Köksal, Y.User, G.Gürleyik ,E.Özkan
Cuma	11:00-11:50	Management of the burn wound	M.Kara,M.Kayhan,M.Tilki, G.Gürleyik, Y.Özel
Cumartesi			
Pazar			
Perşembe		**Exam**	
Cuma		**Exam**	
Cumartesi			
Pazar			

CARDIOVASCULAR SURGERY
(2 WEEK)

YEDITEPE UNIVERSITY FACULTY OF MEDICINE
CARDIOVASCULAR SURGERY EDUCATIONAL PROGRAM

Doç.Dr. Ergun Demirsoy
Mehmet Ümit Ergenoğlu, MD Assist.Prof.
Halit Yerebakan, MD.Research Assist.

I. CARDIOVASCULAR SURGERY BASIC INFORMATION

A. SURGICAL ANATOMY OF THE HEART

1. General anatomy

2. Conduction system

3. Arteries

4. Cardiac Valves and Neighborliness

- Context of lesson:

1. Size of heart
2. Axis of heart
3. Location of heart
4. Pericardium
5. Projective location of heart
6. Anatomy of heart
7. Structure of interior chamber of heart
8. Structure of atrium dexter
9. Structure of atrium sinister
10. Ventriculus dexter
11. Ventriculus sinister
12. Projection of heart valves
13. Auscultation points of heart
14. Cardiac fibrous skeleton
15. Assessment of thoracic radiologic roentgenograms
16. Muscle layer of heart (myocardium)
17. Work of heart
18. Pacemaker of heart
19. Conduction system of heart
20. Nervous system of heart
21. Referring pain
22. Major and minor blood circulation
23. Alimentation of heart
24. Veins of heart
25. Lymphatic circulation of heart
26. Anatomy of important grafts using in coronary artery bypass surgery

B. CARDIOVASCULAR PHYSIOLOGY AND FUNCTION

1. Cardiac cycle
2. Resultant of myocardial excitation-contraction
3. Stroke volume and cardiac output
4. Affecting factors of cardiac function and contractility
5. Systemic circulation
6. Arterial circulation
7. Physiology of coronary circulation
8. Arrangement of coronary blood flow

C. PHARMACOLOGIC APPROACH IN CARDIAC SURGERY

1. Low cardiac output and treatment
2. Beta blockers and indications for use
3. Arrhythmias and treatment
4. Coagulation

D. CARDIOPULMONARY BYPASS

1. Heart lung machine
2. Application of cardiopulmonary bypass (extra cardiac circulation)
3. Blood gas
4. Deep hypothermic circulatory arrest
5. Cardioplegia (antegrade, retrograde, direct cardioplegia)
6. Cardioplegic solution
7. Myocardial protection
8. Protection of myocardium (fibrillation, ischemic and pharmacologic arrest)

II. CONGENITAL HEART DISEASE AND SURGERY

A. EMBRIYOLOGY, ANATOMY AND SHORT HISTORY:

1. Embryology and anatomy of normal heart
2. Embryology and anatomy of main cardiac anomalies
3. Using angiography, echocardiography and other imaging methods for diagnosing anomalies
4. History of congenital cardiac surgery and improved operating techniques for correcting cardiac anomalies.

B. PHYSIOLOGY AND PHYSIOLOGIC ASSESMENT:

1. Normal fetal circulation
2. Circulation versatility during newborn period
3. Intra and extra cardiac shunts, normal connection to the heart and anomalies in fetus, newborn and childhood obstructions combination physiology.

Main changes;

- Pulmonary circulation variations (i.e. mechanic factors, oxygen effects, vasoactive substances, hormonal substances),
- Ductus arteriosus variations (factors help to close and keep open),
- Foramen ovale variations (factors help to close and keep open),
- Anatomic anomalies: obstruction (i.e. aortic stenosis, pulmonary atresia); extra pathways (i.e. atrial septal defect, ventricular septal defect); abnormal connections (i.e. transposition of great vessels), combination of increased or decreased blood to one area (i.e. tetralogy of Fallot, double outlet right ventricle, abnormal pulmonary veins),

- Calculation of flow resistance and ratio (Qp and Qs ratio), pulmonary vascular resistance and pulmonary hypertension,

C. ASYANOTIC ANOMALIES (LEFT TO RIGHT SHUNTS) :

1. Anatomies embriyologies and physiologies of most frequent or important anomalies
2. Operative indications for most frequent or important anomalies
3. Operative repair of most important or frequent anomalies
4. Postoperative care of anomalies

- Context of lesson:

1- Atrial septal defect;

a. Anatomy, types of atrial septal defect and most important parts of right atrium,
b. Clinic features, Operating indications,
c. Clinical signs and symptoms, physical examination,
d. Telegraphy and electrocardiography, Echocardiography and cardiac catheterization,
e. Operative repair techniques and their complications,
f. Results

2- Ventricular septal defect;

a. Anatomy, types, and clinic features,
b. Clinical signs and findings, physical examination,
c. Echocardiography and cardiac catheterization, Telegraphy and electrocardiography.
d. Operative indications, contraindications and surgical timing
e. Operative repair techniques and complications,
f. Results, expected operative mortality long term results,

3- Patent ductus arteriosus;

a. Anatomy and physiology,
b. Diagnosis and clinical features, symptoms and physical examination,
c. Echocardiography and cardiac catheterization, Telegraphy and electrocardiography,
d. Operative indications,
e. Associated anomalies (i.e. ductus dependent conditions),
f. Operative repair techniques and their complications,
g. Results, expected operative mortality, long term results,

4- Atrioventricular septal defect;

a. Anatomy, types and important parts of right atrium,
b. Clinical features, operative indications,
c. Clinic signs and symptoms, physical examination,
d. Telegraphy and Electrocardiography, Echocardiography and cardiac catheterization,
e. Operative repair techniques and their complications,
f. Results

5- Double Outlet Right Ventricul;

a. Anatomy, types (subaortic, subpulmonic, independent),
b. Associated anomalies, clinical features, natural progress,
c. Operative timing for indications,
d. Operative repair techniques and their complications,
f. Palliative operations or total repair (shunt applications, pulmonary artery banding, total repair),
g. Complications and their management, results, expected operative mortality, long term results,

6- Aortopulmonary window;
a. Anatomy, clinical features,
b. Echocardiography, cardiac catheterization, Telegraphy, Electrocardiography,
c. Operative repair, results, expected operative mortality, long term results.

D.YANOTIC ANOMALIES (RIGHT TO LEFT SHUNTS) :
1. Anatomy and physiology of each anomaly, diagnostic methods,
2. Role of medical treatment or interventional cardiology
3. Indications for operative timings
4. Technical components of operative repair
5. Postoperative care, expected result, long term result and their complications.

- Context of lesson:
1. Tetralogy of Fallot;
a. Anatomy and embryology, embryology of faulty ventricular septal defect,
b. Origin of spell attacks and infundibular spasm,
c. Clinical features, symptoms and physical examination,
d. Cardiac catheterization, echocardiography, angiography, telegraphy, electrocardiography,
e. Indications of operation and timing for surgery,
f. Operative repair and complications,
g. Role of systemic-pulmonary artery shunt or total repair,
h. Types of Aort-pulmonary artery shunts.

2. Transposition of Great Arteries (TGA);
a. Anatomy, simple TGA, complex TGA,
b. Clinic features, symptoms and physical examination,
c. Echocardiography, angiography, cardiac catheterization, telegraphy, electrocardiography. Natural progress, role of balloon atrial septostomy,
d. Operation and indications for timing of operation,
e. Operative repair and its complications,
f. Blalock-Hanlon atrial septectomy, open atrial septectomy technique,
g. Total repair operative technique (Mustard, Senning, arterial switch, Rastelli),
h. Palliative operations (PA band, systemic-pulmonary artery shunt),
i. Results, expected operative mortality, long term results,

3. Truncus arteriosus;
a. Anatomy, types of Truncus arteriosus,
b. Associated anomalies (VSD, left ventricular outflow obstruction, arch interruption, DiGeorge syndrome),
c. Clinic features, symptoms and physical findings,
d. Cardiac catheterization, echocardiography, angiography, telegraphy, electrocardiography,
e. Natural progress (evolution of pulmonary vascular obstructive disease),
f. Operation and indications of timing for surgery,
g. Operative techniques, conduits (composite and homograft),
h. Results, expected operative mortality, long term results, complications.

4. Tricuspid atresia;
a. Anatomy, subtypes, physiology, with subtypes of right to left shunt, subtypes of left to right shunt, clinic features, symptoms and physical findings,
b. Echocardiography, angiography, cardiac catheterization, telegraphy, electrocardiography,
c. Operation and indications of timing for surgery,
d. Results, expected operative mortality, long term results, complications,

5. Total abnormal pulmonary venous connection;
a. Anatomy, supracardiac, cardiac, infracardiac, complicated, physiology,
b. Obstructive or non-obstructive, clinic features, symptoms, physical findings,
c. Cardiac catheterization, echocardiography, angiography, Telegraphy, Electrocardiography, natural progress,
d. Indications for timing of surgery,
e. Long term results, complications

6. Ebstein anomaly;
a. Anatomy, physiology, concept of atrialized ventricul,
b. Clinic features, symptoms and physical findings, cardiac catheterization, echocardiography, angiography, telegraphy, electrocardiography,
c. Operation and indications for timing of surgery,
d. Operative repair and complications,
e. Tricuspid repair, obliteration technique for atrialized ventricul,
f. Tricuspid valve replacement technique,
g. Results, complications.

E. OBSTRUCTIVE ANOMALIES :
1. Anatomy and physiology of each anomaly, diagnostic methods
2. Role of medical management and interventional cardiology
3. Operation and indications for timing of surgery
4. Technical components of operative repair
5. Principals of postoperative care
6. Expected results, long term results, complications.

-Context of lesson:
1. Aortic Stenosis;
a. Anatomy, supravalvular, valvular, subvalvular (subtypes including), physiology, associated anomalies, clinical features, symptoms and physical findings,
b. Cardiac catheterization, echocardiography, angiography, telegraphy, electrocardiography,
c. Natural progress, operation and indications for timing of surgery,
d. Operative repair and complications,
e. Procedures for enlargement of aortic annulus (Konno-Rastan procedure, Ross procedure), apical aort conduit technique, myomectomy for subaortic obstruction,
f. Result, expected operative mortality, long term results, complications.

2. Pulmonary stenosis;
a. Anatomy, valvular and supravalvular, associated anomalies (i.e. atrial septal defect, ventricular septal defect, pulmonary side brunch stenosis),
b. Clinic features, symptoms and physical findings,
c. Echocardiography, angiography, cardiac catheterization, telegraphy, electrocardiography,
d. Operation and indications for timing,
e. Operative repair and complications,
f. Result, expected operative mortality, long term results, complications.

3. Aort coarctation;
a. Anatomy, physiology, infant or child, preductal or postductal,
b. Relationship with Ductus arteriosus, associated anomalies (i.e. transverse aortic hypoplasia, patent ductus arteriosus, LVOT obstruction),
c. Clinic features, symptoms and physical finings (newborn with closing ductus, infant or child),
d. Echocardiography, angiography, cardiac catheterization, telegraphy, electrocardiography,

e. Indications for operation and timing of surgery, role of prostaglandins for stabilizing of newborn,
f. Effect of associated anomalies (i.e. patent ductus arteriosus, aortic stenosis, ventricular septal defect),
g. Operative repair techniques and complications,
h. Results, expected operative mortality, long term results, complications,
j. Recoarctation.

4. Interrupted arcus aorta;
a. Anatomy, Type A, B, C,
b. Physiology, importance of ductal openness, prostaglandins,
c. Clinic features, symptoms and physical examination,
d. Echocardiography, angiography, cardiac catheterization, telegraphy, electrocardiography,
e. Operation and indications for timing of surgery,
f. Importance of prostaglandins for preoperative stabilization,
g. Operative repair technique and complications,
h. Repair of associated anomalies, results, expected operative mortality, long terms results, complications, reoperation, and management of DiGeorge syndrome.

5. Vascular rings;
a. Anatomy,
b. Double aortic arcus, abnormal subclavian artery, vascular rings, pulmonary artery sling,
c. Physiology, airway and esophageal compression,
d. Clinic features, signs and symptoms,
e. Barium esophagogram, computed tomography scanning, magnetic resonance imaging,
f. Operative repair and complications,
g. Long term results, complications,

III. SURGERY FOR PERIPHERAL VASCULAR DISEASE

1. Assessment of arterial, venous and lymphatic circulation
2. Critical leg ischemia, chronic atherosclerotic arterial diseases, cerebrovascular diseases, peripheral artery aneurysms, inflammatory arterial diseases, venous and lymphatic systems related medical and surgical procedures.

1. Patient care
a. Competent and functional history and physical examination,
b. Suitable noninvasive vascular tests (i.e. laboratory, computed tomography, magnetic resonance) and invasive diagnostic tests (angiography)
c. Non-surgical treatment methods of arterial, venous and lymphatic diseases.

d. Surgical vascular procedures (i.e. central venous catheter placement, wound care, toe amputations, major extremity amputations, varicose vein phlebectomy, sclerotherapy).

2. Medical accumulation

a. Anatomy and physiology of arterial, venous and lymphatic systems,
b. Pathology of arterial venous and lymphatic diseases.

-Contents of lesson:

1. Thrombosis associated topics
   a. Antiplatelet agents
   b. Anticoagulants
   c. Thrombolysis
2. Atherosclerosis and medical therapy
3. Vascular laboratory tests
4. Principles of diagnostic and interventional angiograph
5. Cerebrovascular diseases
6. Upper extremity ischemia
7. Mesenteric vascular diseases
   a. Acute mesenteric ischemia
   b. Chronic mesenteric ischemia
   c. Non-occlusive mesenteric ischemia
8. Renovascular diseases
   a. Aneurysmal diseases
   b. Aortoiliac aneurysms
   c. Femoro-popliteal aneurysms
   d. Visceral and renal aneurysms
9. Peripheral vascular diseases
   a. Claudication
   b. Rest pain
   c. Non-healing ulcer
   d. Gangrene
10. Vascular access routes
11. Vascular trauma
12. Venous thromboembolic diseases
    a. Superficial phlebitis
    b. Deep vein thrombosis
    c. DVT prophylaxis
    d. Calf and proximal DVT
    e. Pulmonary emboli
13. Varicose veins
14. Lower extremity amputations

IV. SURGERY FOR ACQUIRED HEART DISEASES

A. ISCHEMIC HEART DISEASES

1. CORONARY ARTERY BYPASS SURGERY

a. Introduction and information

b. Clinic features, symptoms and physical examination,
c. Echocardiography, angiography, cardiac catheterization, telegraphy, electrocardiography,
d. Operation and indications for timing of surgery,
e. Operative technique (off pump, on pump, minimal invasive)

- Conduits

- Vein grafts (v. Saphena magna, v. Saphena parva, basilic and cephalic veins)

- Arterial grafts (internal thoracic artery, radial artery, gastroepiploic artery, ulnar artery, inferior epigastric artery)

- Prosthetic vessels (PTFE grafts)

- Myocardial protection

- Technique of anastomosis

- Coronary endarterectomy

f. Left ventricular aneurysm and surgery

B. AORTIC DISEASES AND SURGERY

1. AORTIC DISSECTIONS

a. Introduction and information
b. Description
c. Incidence
d. Pathogenesis
e. Etiology
f. Classification
g. Clinic
h. Physical examination
ı. Primary procedures for diagnosing and treatment
i. Diagnostic methods
j. Surgical indications

2. ASSENDING AORTIC ANEURYSMS

a. Risk factors
b. Etiology and pathophysiology
c. Clinic

d. Diagnostic methods
e. Indications for surgery
f. Operative techniques

3. THORACAL AND THORACOABDOMINAL AORTIC ANEURYSMS

a. Classification and natural progress
b. Symptoms and clinic
c. Diagnostic methods
d. Surgical indications and treatment

C. SURGERY FOR VALVULAR DISEASES

1. MITRAL VALVE DISEASES

a. Mitral valve surgical anatomy
b. Mitral valve disease and pathophysiology
c. Mitral valve disease and surgical indications
d. Mitral valve repair techniques
e. Mitral valve replacement and prosthetic alternatives
f. Mitral valve endocarditis and surgical treatment

2. AORTIC VALVE DISEASES

a. Aortic valve surgical anatomy
b. Aortic valve disease and pathophysiology
c. Aortic valve disease and surgical indications
d. Aortic valve repair techniques
e. Aortic valve replacement and prosthetic alternatives
f. Aortic valve endocarditis and surgical treatment

3. TRICUSPID VALVE DISEASES

a. Tricuspid valve surgical anatomy
b. Tricuspid valve disease and pathophysiology
c. Tricuspid valve disease and surgical indications
d. Tricuspid valve repair techniques
e. Tricuspid valve replacement and prosthetic alternatives
f. Tricuspid valve endocarditis and surgical treatment

V. TRANSPLANTATION AND MECANICAL CIRCULATORY SUPPORT

a. Intraaortic balloon pump and application for treatment
b. Mechanical circulatory support and applications after cardiac surgery
c. Long term mechanical circulation support and alternatives
d. Heart transplantation and history
e. Heart transplantation and surgical techniques
f. Total artificial heart and current applications

VI. PERICARDIAL DISEASES

a. Pericard anatomy and physiology
b. Pericard diseases
c. Pericard tumors
d. Pericard tamponade and surgical treatment

First Week Program

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08:30 12:00	Surgical Practice	Surgical Practice	Surgical Practice	Surgical Practice	Surgical Practice
	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
13:00 14:00	Introduction to Cardiovascular Surgery Ergun Demirsoy, M.D.	Aortic Aneurysm Mehmet U. Ergenoglu, M.D.	Peripheric Arterial Disease Mehmet U. Ergenoglu, M.D.	Congenital Heart Diseases: Acyanotic Halit Yerebakan, M.D.	Surgical Treatment of Heart Failure Ergun Demirsoy, M.D.
14:00 15:00	Surgical Anatomy of The Heart Mehmet U. Ergenoglu, M.D.	Aortic Dissection Mehmet U. Ergenoglu, M.D.	Venous & Lymphatic Disease Mehmet U. Ergenoglu, M.D.	Congenital Heart Diseases: Cyanotic, IAA, AoCoA, etc. Halit Yerebakan, M.D.	New Technologies in Cardiac Surgery Ergun Demirsoy, M.D.
15:00 16:00	Extracorporeal Circulation & Myocardial Protection Halit Yerebakan, M.D.	Great Vessel Injuries Mehmet U. Ergenoglu, M.D.	Cardiac Neoplasms Mehmet U. Ergenoglu, M.D.		
16:00 17:00					

Second Week Program

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08:30 12:00	Surgical Practice	Surgical Practice	Surgical Practice	09:30 - 12:00 Written Exam	09:30 – 17:30 Verbal Exam
	Lunch Break	Lunch Break	Lunch Break		
13:00 14:00	Surgical Treatment of Coronary Artery Disease - I Ergun Demirsoy, M.D	Surgical Treatment of Valvular Disease – Aortic Valve Ergun Demirsoy, M.D.	Postoperative Care of Cardiac Surgery Patients Mehmet U. Ergenoglu, M.D.		
14:00 15:00	Surgical Treatment of CAD – II Ergun Demirsoy, M.D.	Surgical Treatment of Valvular Disease – Mitral Valve Ergun Demirsoy, M.D.	Pericardial Diseases Mehmet U. Ergenoglu, M.D.		
15:00 16:00		Surgical Treatment of Valvular Disease – Tricuspid Valve Ergun Demirsoy, M.D.			
16:00 17:00					

CLINICAL ETHICS (1 Week)

YEDİTEPE UNIVERSTY FACULTY OF MEDICINE
CLINICAL ETHICS (1 week)

Elif VATANOĞLU, MD.

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.

PUBLIC HEALTH (1 Week)

YEDİTEPE UNIVERSITY FACULTY OF MEDICINE

PUBLIC HEALTH (1 week)

Osman Hayran,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

PLASTIC AND RECONSTRUCTIVE SURGERY
(1 WEEK)

YEDITEPE UNIVERSİTY HOSPITAL
DEPARTMENT OF PLASTIC, AESTHETİC AND RECONSTRUCTIVE SURGERY
Learning objectives

1. Scope of Plastic Surgery
   Learning objectives
   You should:
   - Learn the applications of plastic and reconstructive surgery
   - Learn how to refer patients for optimal therapy

2. Wound healing
   Learning objectives
   You should:
   - Learn phases of wound healing
   - Understand latest concepts about wound care

3. Skin graft and flap
   Learning objectives
   You should:
   - Have a clear understanding of the tissure defect & its characteristics
   - Set out the principles of the defects
   - Interpret the common approach to the skin defects

4. Cleft lip and palate
   Learning objectives
   You should:
   - Have a clear understanding of the anomalies of the cleft lip and palate
   - Understand it's etiologies and timing of the treatment
   - Be prepared inform the family of the patient about this anomalies

5. Skin Cancer and Malignant Melanoma
   Learning objectives
   You should:
   - Learn the diagnosis and treatment of skin cancer

6. Burn and Recontructive Surgery
   Learning objectives
   You should:
   - Learn intial approach to a burn patient and principles of therapy
   - Understand principles of wound care in burn patient

7. Maxillofacial travma
   Learning objectives
   You should:
   - Learn how to diagnose a maxillofacial travma in an emergency setting
   - Learn initial steps of management in maxillofacial trauma

8. Principles of hand surgery
   Learning objectives
   You should:
   - Review hand anatomy and understand it's relation to various functional deficits

9. Cosmetic surgery
   Learning objectives
   You should:
   - Understand the general principles of cosmetic surgery
   - Be able to answer common questions about aesthetic operations
   - Learn how to refer patients for optimal therapy

BASIC LECTURES
PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY
PHASE IV

Basic principles and scope of plastic reconstructive and aesthetic surgery

- Wound healing
- Open wound management, grafts and flaps

Head and neck surgery

- Cleft lip, cleft palate and other craniofacial anomalies
- Soft tissue injuries
- Facial bone fractures
- Benign and malignant tumors

Principles of hand upper exteremitysurgery
Skib management

- Benign and malignant skin and subcutaneous tissue tumors
- Burns

Free tissue transfer, reconstructive microsergery
Gender reassignment surgery
Cosmetic (Aesthetic) surgery

EDUCATIONAL PROGRAMME

1. DAY

08.30 Welcome, Grand round, adaptation and practice

11.00 Lecture

Scope of plastic surgery — Cihat Nazmi Baran, MD, Prof. Dr.

13.30 Lecture

Wound healing — Cihat Nazmi Baran, MD, Prof. Dr.

2. DAY

08.30 Round, bedside practic

09.00 Lecture

Skin graft and flap — Cihat Nazmi Baran, MD, Prof. Dr.

13.30 Lecture

Cleft lip and palate — Cihat Nazmi Baran, MD, Prof. Dr.

3. DAY

08.30 Round, bedside practice

09.00 Lecture

Skin cancer — Cihat Nazmi Baran, MD, Prof. Dr.

13.30 Lecture

Burn and reconstructive surgery — Cihat Nazmi Baran, MD, Prof. Dr.

4. DAY

08.30 Round, bedside practice

09.00 Lecture

Maxillofacial trauma — Cihat Nazmi Baran, MD, Prof. Dr.

13.30 Lecture

Principles of hand surgery — Cihat Nazmi Baran, MD, Prof. Dr.

5. DAY

08.30 Round, bedside parctice

10.00 Lecture

Cosmetic surgery — Cihat Nazmi Baran, MD, Prof. Dr.

13.30 Exam

THORACIC SURGERY
(1 WEEK)

SİYAMİ ERSEK TRAINING AND RESEARCH HOSPITAL
THORACIC SURGERY

Learning objectives:

1) Surgical anatomic features of the thorax
2) Nuclear and radiologic imaging for thoracic surgery
3) Preoperative evaluation for thoracic surgery
4) Invasive diagnostic procedures
5) Chest wall tumors and Surgical treatment
6) Postoperative complications and follow up for thoracic surgery
7) Mediastinal diseases and tumors
8) Bullous disorders and pneumothorax
9) Surgical treatment of pleural cavity
10) Tracheal diseases
11) Lung Neoplasms 1
12) Lung Neoplasms 2
13) Inflamatory and infection diseases of lung
14) Chest wall deformities
15) Diaphragmatic disorders
16) Thoracic trauma

1) Surgical anatomic features of the thorax
The surgical importance **of the normal anatomic features of the thorax**

2) Nuclear and radiologic imaging for thoracic surgery

The importance **and** *application areas of nuclear* **medicine** *imaging* **and** *radiology in the definition* **of** *pathology* **of the** *organs* **of the** *thorax*

3) Preoperative evaluation for thoracic surgery
What should be done **for the evaluation of the p***reoperative, perioperative* **and** *postoperative risk factors has been studied*

4) Invasive diagnostic procedures
Indications **and** *complications of invasive* **techniques used for** *diagnosis* **and** *treatment* **in thoracic surgery have been studied.**

5) Chest wall tumors and Surgical treatment
Etiologic Factors, classification and surgical treatment of chest wall tumors

6) Postoperative complications and follow up for thoracic surgery

Postoperative complications and follow up for thoracic surgery

7) Mediastinal diseases and tumors

The description **of mediasten and** *approach* **to the diagnosis and treatment of mediastinal** *masses*

8) Bullous disorders and pneumothorax

*What is pneumothorax***? The** *etiology and treatment* **of** *pneumothorax*

The *classification of bullous disorders and the surgical treatment* **of** *bullous disorders*

9) Surgical treatment of pleural cavity

Anatomy **of the** *pleura,* **the** *diagnosis and treatment* **of** *pleural diseases*

The *etiology, diagnosis and treatment* **of** *pleural effusion*

10) Tracheal diseases

Anatomy **of the** *trachea and general approach* **to** *tracheal diseases and tracheal foreign body*

11) Lung Neoplasms 1

Predisposing factors, etiology **and** *histopathologic classification of lung cancer*

12) Lung Neoplasms 2

Stage classification **and** *surgical treatment* **of** *lung cancer*

13) Inflamatory and infection diseases of lung

Description, etiology, diagnostic procedures and treatment of common infectious **and** *inflammatory lung diseases*

14) Chest wall deformities

Congenital and acquired deformities of **anterior** *chest wall and surgical correction techniques*

15) Diaphragmatic disorders

Anatomy of the diaphragm, *diagnosis* **and** ***t****reatment* **of** *diaphragmatic* **disorders**

16) Thoracic trauma

Approach to the patient with thoracic trauma, types **of** *thoracic trauma and surgical treatment methods*

Monday

08.30- 09.20	Bed side training	
09.30- 10.20	Surgical anatomic features of the thorax	Tamer Okay,MD
10.30-12.00	Practice	Tamer Okay, MD
13.30-14.20	Pleural effusions	Bülent Aydemir, MD
14.30-15.30	Practice	Bülent Aydemir, MD

Tuesday

08.30- 09.20	Bed side training	
09.30- 10.20	Pneumothorax	Ilgaz Doğusoy, MD
10.30-12.00	Practice	Ilgaz doğusoy, MD
13.30-14.20	Preoperative evaluation for thoracic surgery	Hatice C. Demirbağ, MD
14.30-15.30	Practice	Hatice C. Demirbağ, MD

Wednesday

08.30- 09.20	Bed side training	
09.30- 10.20	Lung Neoplasms 1 Lung Neoplasms 2	Muharrem Çelik, MD
10.30-12.00	Practice	Muharrem Çelik, MD
13.30-14.20	İnvasive diagnostic procedures	Oya U. İmamoğlu, MD
14.30-15.30	Practice	Oya U. İmamoğlu, MD

Thursday

08.30- 09.20	Bed side training	
09.30- 10.20	Thoracic trauma	Mehmet Yıldırım, MD
10.30-12.00	Practice	Mehmet Yıldırım, MD
13.30-14.20	Mediastinal diseases and tumors	Murat Yaşaroğlu, MD
14.30-15.30	Practice	Murat Yaşaroğlu, MD

Friday

08.30- 09.20	Bed side training	
09.30- 10.20	İnflamatory and infection diseases of lung	Bülent Aydemir, MD
10.30-12.00	Practice	Tamer Okay, MD
13.30-14.20	Postoperative complications and follow up for thoracic surgery	Murat Yaşaroğlu, MD
14.30-15.20	Practice	Oya U. İmamoğlu, MD
15.30-1630	Exam	

OBSTETRICS AND GYNECOLOGY (6 Weeks)

YEDİTEPE UNIVERSITY FACULTY OF MEDICINE GYNECOLOGY AND OBSTETRICS &ZEYNEP KAMIL WOMEN AND CHILDREN'S TRAINING AND RESEARCH HOSPITAL

EDUCATIONAL PROGRAM

	CURRICULUM - 2011
28.02.2011	**a- Gynecology: an overview including related anatomy (Gazi YILDIRIM)** **b- Gross and microscopic anatomy of the female reproductive tract and pituitary gland and hypothalamus (Gazi YILDIRIM)**
	a- Learning objectives You should: - Know the basic and functional anatomy of the women - Know the fundamental supporting structures of the pelvis and the genital, urinary and gastrointestinal viscera. - Understand the mechanisms of labor, and other gynecological disease such as a cancer and its spreading route. b- Learning objectives You should: - Know the microscopic anatomy of the related structures - Know the ultrastructurel cell dynamics - Be able to solve a complex connection between central nervous system and the reproductive tract.
01.03.2011	**a-Ovarian functions and its neuro-endocrine control (Cem FICICIOGLU)** **b-Developmental defects of the female reproductive tract (Müllerian anomalies) (Rukset ATTAR)**
	a- Learning objectives You should: - Know the endocrine control of reproductive function - Know the complex connection and communications between the endocrine systems - Can understand the complex mechanism of the endocrine disorders. Connection between central nervous system and the reproductive tract. b- Learning objectives You should -Know the normal developments of the genital tract -Know the complex integrity of the related development abnormalities
02.03.2011	**a-Pediatric gynecology, puberty and normal menstrual cycle; gynecological disorders in children and adolescents (Rukset ATTAR)** **b-Male infertility (Hakan KOYUNCU)**
	a- Learning objectives You should - be able to understand pediatric gynecology - be able to describe what puberty is - know the changes seen during puberty - know the phases of normal menstrual cycle - discuss the changes in hormone levels during menstrual cycle - know about gynecological disorders in children and adolescents b- Learning objectives You should: - Know the normal spermatogenesis - Know the normal semen parameters - Know the obstructive and non-obstructive azoospermia - Be able to treat the male factor infertility
03.03.2011	**a-Menstrual disorders, amenorrhea (Rukset ATTAR)** **b-Abnormal uterine bleeding (Rukset ATTAR)**
	a- Learning objectives You should:

	- be able describe menstrual disorders - know the causes of menstrual disorders - know the treatment of menstrual disorders - describe amenorrhea - discuss the causes of amenorrhea - know the treatment of amenorrhea b- Learning objectives You should: - know the definition of abnormal uterine bleeding - describe the causes of abnormal uterine bleeding - discuss the diagnosis be able to treat abnormal uterine bleeding
04.03.2011	**a-Pelvic pain and dysmenorrhea (Gazi YILDIRIM)** **b-Endometriosis - medical treatment and minimally invasive approach (Gazi YILDIRIM)** **c-Hirsutism (Gazi YILDIRIM)**
	a- Learning objectives You should: - Know the normal parameters of the menstrual periods - Know the mechanism of painful menstrual cycles. - Be able to make a differential diagnosis when you face up with a woman with any kind of pelvic pain. b- Learning objectives You should: - Know the endometriosis - Know the possible mechanisms of the endometriosis - Know the possible consequences of the disease - Can learn both of the medical and surgical interventions for the endometriosis c- Learning objectives You should: - Know the pathogenesis of hirsutism - Know the possible complex underlying mechanism - Be able to give treatment options to a hirsute patient.
07.03.2011	**a-Perimenoposal – postmenopausal hormone treatment (Narter YESİLDAGLAR)** **b-Pelvic inflammatory disease (Aslı SOMUNKIRAN)**
	a- Learning objectives You should know: - How to distinguish perimenopausal and postmenopausal state. - Different treatment modalities and their side-effects. b- Learning objectives You should: - Know the definiton of pelvic inflammatory disease (PID). - Know the incidence. - Know the etiology. - Be able to define the symptoms and signs. - Be able to make differential diagnosis. - Know the treatment.
08.03.2011	**a-Anovulation (Cem FICICIOGLU)** **b-Ovulation induction (Cem FICICIOGLU)**
	a- Learning objectives You should: - Know the normal ovulation process - Know the Polycystic ovarian syndrome (PCOS) - Understand short and long term effects of the anovulation - Know the metabolic diseases and insulin resistance b- Learning objectives You should: - Know the treatment of the anovulation - Know the oral and parenteral drugs for ovulation induction

	- Be able to distinguish other infertility causes and separated patients who have ovulation problems and treat them properly
09.03.2011	**a-Evaluation of infertile couple (Cem FICICIOGLU)** **b-Assisted reproductive technologies (Cem FICICIOGLU)**
	a- Learning objectives You should: - Know the reasons for the infertility - Know the assessment of ovarian reserve in a woman - Know the assessment of tubo-peritoneal factor -Know the possible causes for male factor infertility - Understand the normal conception process b- Learning objectives You should: - Know the assisted reproductive techniques - Know the treatment of infertility - Be able to understand the ovarian hyperstimulation syndreome (OHSS) - Know the Preimplantation genetic diagnosis (PGD)
10.03.2011	**a-Obstetrics: an overview including related anatomy (Narter YESİLDAGLAR)** **b-Clinical embryology (Oya AKCIN)**
	a- Learning objectives You should know: - Anatomy of the pelvis. - Fetal development. - How to examine a pregnant woman. b- Learning objectives You should:
11.03.2011	**a-Complications of early pregnancy (Rukset ATTAR)** **b-Ectopic pregnancy (Rukset ATTAR)**
	a- Learning objectives You should: - Know the complications of early pregnancy - Understand the severity of these complications - Know the differential diagnosis - Know how to manage them b- Learning objectives You should: - Know the definition of ectopic pregnancy - Know the incidence - Know the etiology of ectopic pregnancy - Be aware of its importance - Understand how to diagnose ectopic pregnancy - Know the management
14.03.2011	**a-Perinatal follow-ups (Narter YESİLDAGLAR)** **b-Antenatal screening tests (Narter YESİLDAGLAR)** **c-Prenatal diagnosis (Narter YESİLDAGLAR)**
	a- Learning objectives You should know: - Frequency of perinatal follow-ups. - The parameters to be checked in each follow-up b- Learning objectives You should know: - The rationales of screening tests in pregnancy. - The low and high risk groups c- Learning objectives You should know: - Fetal evaluation in terms of teratology. - Common congenital anomalies

15.03.2011	**a-Obstetric ultrasound examination (Narter YESİLDAGLAR)** **b-High-risk pregnancy: an overview (Narter YESİLDAGLAR)**
	a- Learning objectives *Learning objectives* You should know: - Basic principles of ultrasound examination. - Fetal biometry. b- Learning objectives - You should know: - The definition of high-risk pregnancy. - The main topics in high-risk pregnancy
16.03.2011	**a-Recurrent pregnancy losses (Rukset ATTAR)** **b-Trombophilia and pregnancy (Rukset ATTAR)**
	a- Learning objectives You should: - Know the definition of recurrent pregnancy loss - Know the incidence - Be able to distinguish the difference between different types of vaginal bleeding - Know how to diagnose recurrent pregnancy loss - Know the treatment b- Learning objectives You should: - Know the definition of trombophilia - Discuss the importance of trombophilia in pregnancy - Know how to manage it
17.03.2011	**a-Multiple pregnancies (Aslı SOMUNKIRAN)** **b-Hematological disorders and pregnancy (Aslı SOMUNKIRAN)**
	a- Learning objectives - You should: - Be able to define multiple pregnancy - Know the incidence of multiple pregnancy - Know the causes of multiple pregnancy - Know the management of multiple pregnancy b- Learning objectives You should: - Know the hematological disorders mostly associated with pregnancy - Know the incidence - Know the modalities to diagnose hematological disorders during pregnancy - Be able to differentiate between normal pregnancy associated hematological changes and hematological disorders - Know the management of hematological disorders during pregnancy
18.03.2011	**a-Hypertensive disorders and pregnancy (Narter YESİLDAGLAR)** **b-Cardiovascular diseases and pregnancy (Aslı SOMUNKIRAN)**
	a- Learning objectives You should know: - The definition of hypertensive disorders in pregnancy. - The etiology of hypertensive disorders in pregnancy. - The management of hypertensive disorders in pregnancy. b- Learning objectives You should: - Know the cardiovascular changes occurring during pregnancy - Know the mostly encountered cardiovascular diseases during pregnancy - Know the incidence of cardiovascular diseases during pregnancy - Know the modalities to diagnose cardiovascular diseases during pregnancy - Know the management of cardiovascular diseases during pregnancy
21.03.2011	**a-Hormonal disorders and pregnancy (Gazi YILDIRIM)** **b-Pre-gestational and gestational diabetes (Gazi YILDIRIM)**
	a- Learning objectives You should:

	- Know the thyroid disease in pregnancy - Know the other most seen endocrine abnormalities that accompany to the pregnancy - Understand the treatment of endocrine disorders during pregnancy b- Learning objectives You should: - Know the diabetes mellitus and its effects on pregnancy - Know the gestational diabetes mellitus - Be able to handle insulin treatment during pregnancy
22.03.2011	**a-Gestational trophoblastic diseases (Gazi YILDIRIM)** **b-Gynecological malignancies and pregnancy (Aslı SOMUNKIRAN)**
	a- Learning objectives You should: - Know the pathophysiology of the gestational trophoblastic neoplasies - Know the complete, incomplete, invasive mol and choriocarsinoma - Understand the treatment of the GTD b- Learning objectives You should: - Know the mostly encountered gynecological malignancies during pregnancy - Know the incidence - Be able to define the diagnostic modalities - Know the management options
23.03.2011	**a-Perinatal infections (Rukset ATTAR)** **b-Rh isoimmunisation (Gazi YILDIRIM)**
	a- Learning objectives - Be able to diagnose perinatal infections - Discuss the importance of perinatal infections - Know about the causes - Be able to treat b- Learning objectives You should: - Know the Rh isoimmunisation - Know the meaning of the direct and indirect coombs tests - Know the prevention of the isıoimmunisation - Be able to management of a pregnant patient who get immunized
24.03.2011	**a-Intrauterine growth restriction (Aslı SOMUNKIRAN)** **b-Assessment of fetal well-being (Aslı SOMUNKIRAN)**
	a- Learning objectives You should: - Be able to define IUGR - Know the incidence - Know the etiology of IUGR - Be able to diagnose IUGR - Know the management of IUGR b- Learning objectives You should: - Be able to define the terminology 'fetal well-being' - Know the modalities used to assess fetal well-being - Know what is done if anyone of the modalities is not normal
25.03.2011	**a- Bleeding in the third trimester (Aslı SOMUNKIRAN)** **b- Postpartum bleeding (Aslı SOMUNKIRAN)**
	a- Learning objectives You should: - Be able to define the third trimester of pregnancy - Know the incidence - Know the causes of third trimester bleeding - Konw the diagnostic modalities - Know the management options b- Learning objectives

	You should: - Be able to define normal and abnormal postpartum bleeding - Know the causes of abnormal postpartum bleeding - Know the diagnostic modalities - Know the management of abnormal postpartum bleeding - Know the sequela of abnormal postpartum bleeding
28.03.2011	**a-Preterm premature rupture of membranes (Gazi YILDIRIM)** **b-Puerperium and puerperal infections (Aslı SOMUNKIRAN)**
	a- Learning objectives You should: - Know the amniotic fluid dynamics - Know the effects of the premature rupture of the membranes - Know the effects of the preterm premature rupture of the membranes - Be able to handle a pregnant patient wth PROM or PPROM b- Learning objectives You should: - Know the terminology 'puerperium' - Know the incidence of puperperal infections - Know the etiology of puperperal infections - Be able to diagnose puerperal infection - Know the management of puerperal infection - Know the sequela of puerperal infections
29.03.2011	**a-Normal labor (Narter YESİLDAGLAR)** **b-Abnormal labor - distocia (Narter YESİLDAGLAR)**
	a- Learning objectives You should know: - The mechanism of normal labor. - The management of normal labor b- Learning objectives You should know: - The etiology of abnormal labor. - The management of abnormal labor
30.03.2011	**a-Operative labor (Rukset ATTAR)** **b-Cesarean section and previous Cesarean section (Rukset ATTAR)**
	a- Learning objectives You should: - Describe operative labor - Discuss the indications for operative labor - Know about the complications of operative labor b- Learning objectives You should: - Know the indications for Cesarean section - Know the complications of previous Cesarean section - Discuss management of pregnancy after a previous Cesarean section
31.03.2011	**a-Obstetric anesthesia (Sevgi BILGEN)** **b- Postnatal contraception and sterilization (Gazi YILDIRIM)**
	a- Learning objectives You should know: - General principles of obstetric anesthesia - Different types of obstetric anesthesia - Medications used for obstetric anesthesia b- Learning objectives You should: - Know the contraception and sterilization techniques - Know the most appropriate methods for contraception after delivery - Know the effects of the hormonal and non-hormonal contraceptive methods
01.04.2011	**a-Benign disorders of vulva (Rukset ATTAR)** **b-Vulvo-vaginitis (Rukset ATTAR)**
	a- Learning objectives

	You should: - Be able to diagnose benign disorders of vulva - Discuss the differential diagnosis - Know their treatment - Know how to follow-up b- Learning objectives You should: -Know the etiology of vulvo-vaginitis - - Be able to diagnose - - Know how to treat them
04.04.2011	**a-Pre-invasive cervical neoplasm (Ates KARATEKE)** **b-Cervix carcinoma (Ates KARATEKE)**
	a- Learning objectives You should: - Know the PAP smear screening - Know the preinvasive cervical lesions such as ASCUSİ LSIL; HSIL - Understand the treatment of aforementioned lesions - Be able to handle colposcopy - Know the conisation and LEEP -Understand the HPV and HPV vaccines for cancer prevention b- Learning objectives You should: - Know the risk factors for cervical cancer - Know the stage of the disease - Be able to understand to treatment modalities based on the stage of the cancer
05.04.2011	**a-Benign disorders of vagina (Rukset ATTAR)** **b-Vulvo-vaginal carcinoma (Ates KARATEKE)**
	a- Learning objectives You should: -Know the types of benign disorders of vagina -Be able to diagnose -Discuss the treatment -Know how to follow-up b- Learning objectives You should: - Know the risk factors for the vulvo-vaginal cancers - Know the surgical staging - Know the treatment options for this cancer
06.04.2011	**a-Malignant disorders of uterus, endometrium carcinoma (Ates KARATEKE)** **b-Malignant ovarian tumors and malignant disorders of Fallopian tubes (Ates KARATEKE)**
	a- Learning objectives You should: - Know the risk factors for endometrium cancer - Know the staging of the endometrium cancer - Understand the treatment of the endometrium cancers b- Learning objectives You should: - Know the risk factors for ovarian and fallopian tube cancers - Know the staging of the disease - Know the classification of the ovarian cancers - Be able to manage a patient with different types of ovarian cancers
07.04.2011	**a-Pelvic relaxation (Ates KARATEKE)** **b-Uro-gynecology (Ates KARATEKE)**
	a- Learning objectives You should: - Know the risk factors for pelvic relaxations - Know the prevention from the pelvic relaxation - Understand the mechanisms for pelvic organ prolapsus

	- Know the pelvic support systems Know the non-surgical and surgical interventions for pelvic relaxations b- Learning objectives You should: - Know the incontinance - Know the stress urinary incontinence -Know the urge and mixt incontinence - Be able to treat different type of urinary incontinence
08.04.2011	**a-Benign disorders of uterus, Fallopian tubes and ovaries (Rukset ATTAR)** **b-Pre-, peri- and post-operative patient care (Gazi YILDIRIM)**
	a- Learning objectives -Know the types of benign disorders of uterus -Know the types of benign disorders of Fallopian tubes -Know the types of benign disorders of ovaries -Discuss the treatment -Know how to follow-up b- Learning objectives You should: - Know the pre-operative assessment of a surgical patient - Know the intra-operative risk factors and prevention of possible complications - Be able to handle the concequences of the complications - Know the postoperative patient care

Prof. Cem FIÇICIOĞLU, M.D., PhD.
Chairman
Dept. of Obstet & Gynecol

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EDUCATIONAL PROGRAM

	CURRICULUM - 2011
09.05.2011	**a- Gynecology: an overview including related anatomy (Gazi YILDIRIM)** **b- Gross and microscopic anatomy of the female reproductive tract and pituitary gland and hypothalamus (Gazi YILDIRIM)**
	a- Learning objectives You should: - Know the basic and functional anatomy of the women - Know the fundamental supporting structures of the pelvis and the genital, urinary and gastrointestinal viscera. - Understand the mechanisms of labor, and other gynecological disease such as a cancer and its spreading route. b- Learning objectives You should: - Know the microscopic anatomy of the related structures - Know the ultrastructurel cell dynamics - Be able to solve a complex connection between central nervous system and the reproductive tract.
10.05.2011	**a-Ovarian functions and its neuro-endocrine control (Cem FICICIOGLU)** **b-Developmental defects of the female reproductive tract (Müllerian anomalies) (Rukset ATTAR)**
	a- Learning objectives You should: - Know the endocrine control of reproductive function - Know the complex connection and communications between the endocrine systems - Can understand the complex mechanism of the endocrine disorders. Connection between central nervous system and the reproductive tract. b- Learning objectives You should -Know the normal developments of the genital tract -Know the complex integrity of the related development abnormalities
11.05.2011	**a-Pediatric gynecology, puberty and normal menstrual cycle; gynecological disorders in children and adolescents (Rukset ATTAR)** **b-Male infertility (Hakan KOYUNCU)**
	a- Learning objectives You should - be able to understand pediatric gynecology - be able to describe what puberty is - know the changes seen during puberty - know the phases of normal menstrual cycle - discuss the changes in hormone levels during menstrual cycle - know about gynecological disorders in children and adolescents b- Learning objectives You should: - Know the normal spermatogenesis - Know the normal semen parameters - Know the obstructive and non-obstructive azoospermia - Be able to treat the male factor infertility

12.05.2011	**a-Menstrual disorders, amenorrhea (Rukset ATTAR)** **b-Abnormal uterine bleeding (Rukset ATTAR)**
	a- Learning objectives You should: - be able describe menstrual disorders - know the causes of menstrual disorders - know the treatment of menstrual disorders - describe amenorrhea - discuss the causes of amenorrhea - know the treatment of amenorrhea b- Learning objectives You should: - know the definition of abnormal uterine bleeding - describe the causes of abnormal uterine bleeding - discuss the diagnosis be able to treat abnormal uterine bleeding
13.05.2011	**a-Pelvic pain and dysmenorrhea (Gazi YILDIRIM)** **b-Endometriosis - medical treatment and minimally invasive approach (Gazi YILDIRIM)** **c-Hirsutism (Gazi YILDIRIM)**
	a- Learning objectives You should: - Know the normal parameters of the menstrual periods - Know the mechanism of painful menstrual cycles. - Be able to make a differential diagnosis when you face up with a woman with any kind of pelvic pain. b- Learning objectives You should: - Know the endometriosis - Know the possible mechanisms of the endometriosis - Know the possible consequences of the disease - Can learn both of the medical and surgical interventions for the endometriosis c- Learning objectives You should: - Know the pathogenesis of hirsutism - Know the possible complex underlying mechanism - Be able to give treatment options to a hirsute patient.
16.05.2011	**a-Perimenoposal – postmenopausal hormone treatment (Narter YESİLDAGLAR)** **b-Pelvic inflammatory disease (Aslı SOMUNKIRAN)**
	a- Learning objectives You should know: - How to distinguish perimenopausal and postmenopausal state. - Different treatment modalities and their side-effects. b- Learning objectives You should: - Know the definiton of pelvic inflammatory disease (PID). - Know the incidence. - Know the etiology. - Be able to define the symptoms and signs. - Be able to make differential diagnosis. - Know the treatment.
17.05.2011	**a-Anovulation (Cem FICICIOGLU)** **b-Ovulation induction (Cem FICICIOGLU)**
	a- Learning objectives You should: - Know the normal ovulation process - Know the Polycystic ovarian syndrome (PCOS) - Understand short and long term effects of the anovulation - Know the metabolic diseases and insulin resistance

	b- Learning objectives You should: - Know the treatment of the anovulation - Know the oral and parenteral drugs for ovulation induction - Be able to distinguish other infertility causes and separated patients who have ovulation problems and treat them properly
18.05.2011	**a-Evaluation of infertile couple (Cem FICICIOGLU)** **b-Assisted reproductive technologies (Cem FICICIOGLU)**
	a- Learning objectives You should: - Know the reasons for the infertility - Know the assessment of ovarian reserve in a woman - Know the assessment of tubo-peritoneal factor -Know the possible causes for male factor infertility - Understand the normal conception process b- Learning objectives You should: - Know the assisted reproductive techniques - Know the treatment of infertility - Be able to understand the ovarian hyperstimulation syndreome (OHSS) - Know the Preimplantation genetic diagnosis (PGD)
19.05.2011	**a-Obstetrics: an overview including related anatomy (Narter YESİLDAGLAR)** **b-Clinical embryology (Oya AKCIN)**
	a- Learning objectives You should know: - Anatomy of the pelvis. - Fetal development. - How to examine a pregnant woman. b- Learning objectives You should:
20.05.2011	**a-Complications of early pregnancy (Rukset ATTAR)** **b-Ectopic pregnancy (Rukset ATTAR)**
	a- Learning objectives You should: - Know the complications of early pregnancy - Understand the severity of these complications - Know the differential diagnosis - Know how to manage them b- Learning objectives You should: - Know the definition of ectopic pregnancy - Know the incidence - Know the etiology of ectopic pregnancy - Be aware of its importance - Understand how to diagnose ectopic pregnancy - Know the management
23.05.2011	**a-Perinatal follow-ups (Narter YESİLDAGLAR)** **b-Antenatal screening tests (Narter YESİLDAGLAR)** **c-Prenatal diagnosis (Narter YESİLDAGLAR)**
	a- Learning objectives You should know: - Frequency of perinatal follow-ups. - The parameters to be checked in each follow-up b- Learning objectives You should know: - The rationales of screening tests in pregnancy. - The low and high risk groups

	c- Learning objectives You should know: - Fetal evaluation in terms of teratology. - Common congenital anomalies
24.05.2011	**a-Obstetric ultrasound examination (Narter YESİLDAGLAR)** **b-High-risk pregnancy: an overview (Narter YESİLDAGLAR)**
	a- Learning objectives *Learning objectives* You should know: - Basic principles of ultrasound examination. - Fetal biometry. b- Learning objectives - You should know: - The definition of high-risk pregnancy. - The main topics in high-risk pregnancy
25.05.2011	**a-Recurrent pregnancy losses (Rukset ATTAR)** **b-Trombophilia and pregnancy (Rukset ATTAR)**
	a- Learning objectives You should: - Know the definition of recurrent pregnancy loss - Know the incidence - Be able to distinguish the difference between different types of vaginal bleeding - Know how to diagnose recurrent pregnancy loss - Know the treatment b- Learning objectives You should: - Know the definition of trombophilia - Discuss the importance of trombophilia in pregnancy - Know how to manage it
26.05.2011	**a-Multiple pregnancies (Aslı SOMUNKIRAN)** **b-Hematological disorders and pregnancy (Aslı SOMUNKIRAN)**
	a- Learning objectives - You should: - Be able to define multiple pregnancy - Know the incidence of multiple pregnancy - Know the causes of multiple pregnancy - Know the management of multiple pregnancy b- Learning objectives You should: - Know the hematological disorders mostly associated with pregnancy - Know the incidence - Know the modalities to diagnose hematological disorders during pregnancy - Be able to differentiate between normal pregnancy associated hematological changes and hematological disorders - Know the management of hematological disorders during pregnancy
27.05.2011	**a-Hypertensive disorders and pregnancy (Narter YESİLDAGLAR)** **b-Cardiovascular diseases and pregnancy (Aslı SOMUNKIRAN)**
	a- Learning objectives You should know: - The definition of hypertensive disorders in pregnancy. - The etiology of hypertensive disorders in pregnancy. - The management of hypertensive disorders in pregnancy. b- Learning objectives You should: - Know the cardiovascular changes occurring during pregnancy - Know the mostly encountered cardiovascular diseases during pregnancy - Know the incidence of cardiovascular diseases during pregnancy - Know the modalities to diagnose cardiovascular diseases during pregnancy - Know the management of cardiovascular diseases during pregnancy

30.05.2011	**a-Hormonal disorders and pregnancy (Gazi YILDIRIM)** **b-Pre-gestational and gestational diabetes (Gazi YILDIRIM)**
	a- Learning objectives You should: - Know the thyroid disease in pregnancy - Know the other most seen endocrine abnormalities that accompany to the pregnancy - Understand the treatment of endocrine disorders during pregnancy b- Learning objectives You should: - Know the diabetes mellitus and its effects on pregnancy - Know the gestational diabetes mellitus - Be able to handle insulin treatment during pregnancy
31.05.2011	**a-Gestational trophoblastic diseases (Gazi YILDIRIM)** **b-Gynecological malignancies and pregnancy (Aslı SOMUNKIRAN)**
	a- Learning objectives You should: - Know the pathophysiology of the gestational trophoblastic neoplasies - Know the complete, incomplete, invasive mol and choriocarsinoma - Understand the treatment of the GTD b- Learning objectives You should: - Know the mostly encountered gynecological malignancies during pregnancy - Know the incidence - Be able to define the diagnostic modalities - Know the management options
01.06.2011	**a-Perinatal infections (Rukset ATTAR)** **b-Rh isoimmunisation (Gazi YILDIRIM)**
	a- Learning objectives - Be able to diagnose perinatal infections - Discuss the importance of perinatal infections - Know about the causes - Be able to treat b- Learning objectives You should: - Know the Rh isoimmunisation - Know the meaning of the direct and indirect coombs tests - Know the prevention of the ısıoimmunisation - Be able to management of a pregnant patient who get immunized
02.06.2011	**a-Intrauterine growth restriction (Aslı SOMUNKIRAN)** **b-Assessment of fetal well-being (Aslı SOMUNKIRAN)**
	a- Learning objectives You should: - Be able to define IUGR - Know the incidence - Know the etiology of IUGR - Be able to diagnose IUGR - Know the management of IUGR b- Learning objectives You should: - Be able to define the terminology 'fetal well-being' - Know the modalities used to assess fetal well-being - Know what is done if anyone of the modalities is not normal
03.06.2011	**a- Bleeding in the third trimester (Aslı SOMUNKIRAN)** **b- Postpartum bleeding (Aslı SOMUNKIRAN)**
	a- Learning objectives You should: - Be able to define the third trimester of pregnancy - Know the incidence - Know the causes of third trimester bleeding

	- Konw the diagnostic modalities - Know the management options b- Learning objectives You should: - Be able to define normal and abnormal postpartum bleeding - Know the causes of abnormal postpartum bleeding - Know the diagnostic modalities - Know the management of abnormal postpartum bleeding - Know the sequela of abnormal postpartum bleeding
06.06.2011	**a-Preterm premature rupture of membranes (Gazi YILDIRIM)** **b-Puerperium and puerperal infections (Aslı SOMUNKIRAN)**
	a- Learning objectives You should: - Know the amniotic fluid dynamics - Know the effects of the premature rupture of the membranes - Know the effects of the preterm premature rupture of the membranes - Be able to handle a pregnant patient wth PROM or PPROM b- Learning objectives You should: - Know the terminology 'puerperium' - Know the incidence of puperperal infections - Know the etiology of puperperal infections - Be able to diagnose puerperal infection - Know the management of puerperal infection - Know the sequela of puerperal infections
07.06.2011	**a-Normal labor (Narter YESİLDAGLAR)** **b-Abnormal labor - distocia (Narter YESİLDAGLAR)**
	a- Learning objectives You should know: - The mechanism of normal labor. - The management of normal labor b- Learning objectives You should know: - The etiology of abnormal labor. - The management of abnormal labor
08.06.2011	**a-Operative labor (Rukset ATTAR)** **b-Cesarean section and previous Cesarean section (Rukset ATTAR)**
	a- Learning objectives You should: - Describe operative labor - Discuss the indications for operative labor - Know about the complications of operative labor b- Learning objectives You should: - Know the indications for Cesarean section - Know the complications of previous Cesarean section - Discuss management of pregnancy after a previous Cesarean section
09.06.2011	**a-Obstetric anesthesia (Sevgi BILGEN)** **b- Postnatal contraception and sterilization (Gazi YILDIRIM)**
	a- Learning objectives You should know: - General principles of obstetric anesthesia - Different types of obstetric anesthesia - Medications used for obstetric anesthesia b- Learning objectives You should: - Know the contraception and sterilization techniques

	- Know the most appropriate methods for contraception after delivery - Know the effects of the hormonal and non-hormonal contraceptive methods
10.06.2011	**a-Benign disorders of vulva (Rukset ATTAR)** **b-Vulvo-vaginitis (Rukset ATTAR)**
	a- Learning objectives You should: - Be able to diagnose benign disorders of vulva - Discuss the differential diagnosis - Know their treatment - Know how to follow-up b- Learning objectives You should: -Know the etiology of vulvo-vaginitis - - Be able to diagnose - - Know how to treat them
13.06.2011	**a-Pre-invasive cervical neoplasm (Ates KARATEKE)** **b-Cervix carcinoma (Ates KARATEKE)**
	a- Learning objectives You should: - Know the PAP smear screening - Know the preinvasive cervical lesions such as ASCUSİ LSIL; HSIL - Understand the treatment of aforementioned lesions - Be able to handle colposcopy - Know the conisation and LEEP -Understand the HPV and HPV vaccines for cancer prevention b- Learning objectives You should: - Know the risk factors for cervical cancer - Know the stage of the disease - Be able to understand to treatment modalities based on the stage of the cancer
14.06.2011	**a-Benign disorders of vagina (Rukset ATTAR)** **b-Vulvo-vaginal carcinoma (Ates KARATEKE)**
	a- Learning objectives You should: -Know the types of benign disorders of vagina -Be able to diagnose -Discuss the treatment -Know how to follow-up b- Learning objectives You should: - Know the risk factors for the vulvo-vaginal cancers - Know the surgical staging - Know the treatment options for this cancer
15.06.2011	**a-Malignant disorders of uterus, endometrium carcinoma (Ates KARATEKE)** **b-Malignant ovarian tumors and malignant disorders of Fallopian tubes (Ates KARATEKE)**
	a- Learning objectives You should: - Know the risk factors for endometrium cancer - Know the staging of the endometrium cancer - Understand the treatment of the endometrium cancers b- Learning objectives You should: - Know the risk factors for ovarian and fallopian tube cancers - Know the staging of the disease - Know the classification of the ovarian cancers - Be able to manage a patient with different types of ovarian cancers
16.06.2011	**a-Pelvic relaxation (Ates KARATEKE)** **b-Uro-gynecology (Ates KARATEKE)**

	a- Learning objectives You should: - Know the risk factors for pelvic relaxations - Know the prevention from the pelvic relaxation - Understand the mechanisms for pelvic organ prolapsus - Know the pelvic support systems Know the non-surgical and surgical interventions for pelvic relaxations b- Learning objectives You should: - Know the incontinance - Know the stress urinary incontinence -Know the urge and mixt incontinence - Be able to treat different type of urinary incontinence
17.06.2011	**a-Benign disorders of uterus, Fallopian tubes and ovaries (Rukset ATTAR)** **b-Pre-, peri- and post-operative patient care (Gazi YILDIRIM)**
	a- Learning objectives -Know the types of benign disorders of uterus -Know the types of benign disorders of Fallopian tubes -Know the types of benign disorders of ovaries -Discuss the treatment -Know how to follow-up b- Learning objectives You should: - Know the pre-operative assessment of a surgical patient - Know the intra-operative risk factors and prevention of possible complications - Be able to handle the concequences of the complications - Know the postoperative patient care

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