,

YEDİTEPE UNIVERSITY

FACULTY OF MEDICINE

PHASE IV

ACADEMIC PROGRAM

2011 - 2012

<table>
<tr><th>A GRUBU</th><th>B GRUBU</th></tr>
<tr><td>İÇ HASTALIKLARI
(10 hafta)
12.09.2011-18.11.2011
Pratik: Haydarpaşa Numune Eğ.ve Arş.Hast. (H.N.H)+ Yeditepe Üniversite Hastanesi (Y.Ü.H)
Teorik: Yeditepe Üniversite Hastanesi (Y.Ü.H)</td><td>ÇOCUK SAĞLIĞI VE HASTALIKLARI
(10 hafta)
12.09.2011-18.11.2011
Teorik: Kampüs + (K.L.K)
Pratik: Dr. Lütfi Kartal Kartal Eğitim ve Arş.Hast.(K.L.K)</td></tr>
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21.11.2011-02.12.2011
Teorik: (Y.Ü.H) Pratik:</td><td>KLİNİK ETİK (1 hafta) 21-25.11.2011 Kampüs</td></tr>
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(10 hafta)
5 .12.2011-10.02.2012
Teorik: Kampüs + (K.L.K)
Pratik: Dr. Lütfi Kartal Kartal Eğitim ve Arş.Hast.(K.L.K)</td><td>İÇ HASTALIKLARI
(10 hafta)
05.12.2011-10.02.2012
Pratik: Haydarpaşa Numune Eğ.ve Arş.Hast. (H.N.H)+ Yeditepe Üniversite Hastanesi (Y.Ü.H)
Teorik: Yeditepe Üniversite Hastanesi (Y.Ü.H)</td></tr>
<tr><td>GÖĞÜS CERRAHİSİ
13-17.02.2012
Süreyyapaşa Göğüs Hastalıkları ve Göğüs Cerrahisi Eğt.ve Arş.Hast.
PL.veREK.CER.
13-17.02.2012
(Y.Ü.H)
PL.veREK.CER.
20-24.02.2012
(Y.Ü.H)
GÖĞÜS CERRAHİSİ
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13-24.02.2012
Teorik: (Y.Ü.H) Pratik:</td></tr>
<tr><td>GENEL CERRAHİ
(6 hafta)
27.02.2012-06.04.2012
Pratik: Haydarpaşa Numune Eğ.ve Arş.Hast.(H.N.H)
Teorik: Kampüs</td><td>KADIN HASTALIKLARI VE DOĞUM
(6 hafta)
27.02.2012-06.04.2012
Teorik: (Y.Ü.H)
Pratik: Zeynep Kamil Kadın ve Çocuk Has. Eğt. ve Arş.Hast.</td></tr>
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(2 hafta)
09-20.04.2012
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Teorik: Kampüs</td><td>GÖĞÜS CERRAHİSİ
09-13.04.2012
Süreyyapaşa Göğüs Hastalıkları ve Göğüs Cerrahisi Eğt.ve Arş.Hast.
PL.veREK.CER.
09-13.04.2012
(Y.Ü.H)
PL.veREK.CER.
16-20.04.2012 (Y.Ü.H)
GÖĞÜS CERRAHİSİ
16-20.04.2012
Süreyyapaşa Göğüs Hastalıkları ve Göğüs Cerrahisi Eğt.ve Arş.Hast.</td></tr>
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24.04-01.06.2012
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24.04-01.06.2012
Pratik: Haydarpaşa Numune Eğ.ve Arş.Hast.(H.N.H)
Teorik: Kampüs</td></tr>
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HALK SAĞLIĞI (1 hafta) 11-15.06.2012 Kampüs</td><td>KARDİYOVASKÜLER CERRAHİ
(2 hafta)
04-15.06.2012
Pratik:
Teorik: Kampüs</td></tr>
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01-10.08.2012 BÜTÜNLEME

YEDITEPE UNIVERSITY

FACULTY OF MEDICINE

PHASE IV-A

2011-2012

	STUDENT NO	**NAME**	**SURNAME**
1	290800074	BERENT	ALDIKAÇTI
2	270800066	ARAZ	ALIYEV
3	280800068	ELVİN	ALİYEV
4	270800028	CEMİL	ALPAK
5	250800092	YAŞAR CAN	ALTINIŞIK
6	280800064	İDRİS	AVCİ
7	280800056	CEYDA	AYDIN
8	270800050	GÖZDE	BALKAYA
9	270800030	AYDIN TALAT	BAYDAR
10	280800059	BERKAY	BOZKURT
11	270800058	ÇAĞATAY	BÜYÜKÇELEN
12	280800045	KAĞAN UTKU	CAN
13	280800036	BARAN	ÇALIŞGAN
14	250800093	ONUR BURAK	ÇEĞİLLİ
15	280800022	ECE GİZEM	ÇELİKBAŞ
16	280800062	YASEMİN	ÇINAR
17	270800032	MUHAMMED EMİN	DAĞÜSTÜ
18	270800075	MERVE	DİZDAR
19	270800018	EZGİ	ER
20	270800053	BETÜL	ERCAN
21	280800004	DAMLA	EREN
22	260800050	HAKAN	ERSÖZ
23	280800006	EMİNE GÖKÇE	GÜN
24	270800012	İPEK BUSE	GÜZELCE
25	280800073	MEHMET CERRAH	KIRAN
26	280800008	ALİ ÖNDER	OTURAN
27	270800048	ZELİHA BAŞAK	POLAT
28	270800019	FEYZA	SARI
29	260708032	SİMGE	TEKTAŞ
30	290800075	LEYLA ZEYNEP	TİGREL
31	280800053	EMİR	ÜNAL
32	280800047	CEMRE	YAŞÖZ
33	280800032	ZEYNEP	YILMAZ

YEDITEPE UNIVERSITY

FACULTY OF MEDICINE

PHASE IV-B

2011-2012

	STUDENT NO	NAME	SURNAME
1	270800045	BETÜL	AKBAY
2	280800023	İHSAN	AYHAN
3	280800019	BEGÜM	BARIŞ
4	270800010	GÜL DİLAN	BOSTAN
5	270800070	YUNUS EMRE	BULUM
6		ÇAĞLA BAHAR	BÜLBÜL
7	270800042	PAKİZE	CENNETOĞLU
8	270800047	MERVE	DEMİR
9	260800089	BÜŞRA	DEMİREL
10	280800027	ZEYNEP NUR	DEMİROK
11	260800054	CAN OĞUZHAN	DURSUN
12	290800073	BARAN	ERDİK
13	250800056	DUYGU	ERSOY
14	260800091	SİMGE	FAYDALI
15	270800041	ÖMÜR	GÖRGÜLÜ
16	270800073	ECE	GÜMÜŞOĞLU
17	280800065	RUBA	İBRAHİM
18	270800074	BELİN	KAMİLOĞLU
19	280800021	MAHMUT TALHA	KANER
20	260800086	ZEYNEP	KAYA
21	270800031	CANER	KÖSE
22	280800066	ESRA	ODUNKIRAN
23	260800087	ECE CANSU	OKUR
24	270800021	MUSTAFA SENCER	ÖZKEÇECİ
25	260800088	SEMİH	ÖZTÜRK
26	270800049	EMİN	PALA
27	290800072	ÇELİK	SÜMER
28	270800039	TUĞBA	ŞAHİN
29	270800036	MEHMET BAKİ	ŞENYÜREK
30	270800037	ELİF ÇİĞDEM	ŞİRAZİ
31	270800026	ABDULLAH	TAŞÇI
32	270800007	SELİM	TURAN
33	280800049	KEMAL	USLU
34	280800014	ŞEYMA TUĞÇE	ÜNALDI
35	260800085	GÜNIŞIL	YALÇIN
36	270800046	KÜBRA	YILMAZ

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)

YEDİTEPE UNIVERSTY HOSPITAL
&
HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL

INTERNAL MEDICINE PROGRAM

1. CARDIOVASCULAR DISEASE

1.1. Background
1.2. Ischemic heart disease
1.3. Heart failure
1.4. Dysrhythmias
1.5. Valvular and congenital heart disease
1.6. Infective endocarditis
1.7. Pericardial and heart muscle disease
1.8. Hypertension
1.9. Pulmonary vessel disease
1.10. Venous thrombo-embolism
1.11. Arterial 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

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
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.
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.
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.
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.
Friday	13:30-14:20	Genitourinary tract infections		Meral Sönmez, MD Prof.
	14:30-15:20	Fever of unknown origin		Meral Sönmez, MD Prof.
Monday	13:30-14:20	Pneumonia		Emine Sevda Ozdoğan, MD Assoc.Prof.
	14:30-15:20	Tuberculosis		Emine Sevda Ozdoğan, MD Assoc.Prof.
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.
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.
Thursday	13:30-14:20	Hyperthyroidism		Hasan Aydın, MD Assist.Prof.
	14:30-15:20	Hypothyroidism		Hasan Aydın, MD Assist.Prof.
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.
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.
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.
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.
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.
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.
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.
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.
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.
Thursday	13:30-14:20	Lıver Enzyme Dısorder	Cengiz Pata, MD Assoc.Prof.
	14:30-15:20	Chronıc Hepatıtıs	Cengiz Pata, MD Assoc.Prof.
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.
Monday	13:30-14:20	Constıpatıon	Yusuf Ziya Erzin, MD Assoc.Prof.
	14:30-15:20	Gastroıntestınal bleedıng	Cengiz Pata, MD Assoc.Prof.
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.
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.
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.
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.
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.
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.
Wednesday	13:30-14:20	Infectious diseases emergencies	Meral Sönmez, MD Prof.
	14:30-15:20	Infectious diseases emergencies	Meral Sönmez, MD Prof.
Thursday	13:30-14:20	Hypoparathyroidism	Hasan Aydın, MD Assist.Prof.
	14:30-15:20	Hyperparathyroidism	Hasan Aydın, MD Assist.Prof.
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.
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.
Tuesday	13:30-14:20	Metabolic syndrome	Hasan Aydın, MD Prof.
	14:30-15:20	Endocrine hypertension	Hasan Aydın, MD Assist.Prof.
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.
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.
	13:30-14:20	Colorectal cancer	Başak Oyan Uluç, MD Assoc.Prof.
	14:30-15:20	Tumor markers	Başak Oyan Uluç, MD Assoc.Prof.

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.
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.
Wednesday	13:30-14:20	Adrenal insufficiency	Hasan Aydın, MD Assist.Prof.
	14:30-15:20	Stem cell transplantatıon	Sami Kartı, MD Assoc.Prof.
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.
Friday		LUNG CANCER	Başak Oyan Uluç, MD Assoc.Prof.
		Breast cancer	Başak Oyan Uluç, MD Assoc.Prof.
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.
Tuesday	13:30-14:20	Hypertension	Gülçin Kantarcı MD Prof.
	14:30-15:20	Hypertension	Gülçin Kantarcı, MD Prof.
Wednesday	13:30-14:20		
	14:30-15:20		
Thursday	13:30-14:20		
	14:30-15:20		
Friday	13:30-14:20	Written Exam	
	14:30-15:20		
Monday		Exam	

CARDIOLOGY

(2 Weeks)

CARDIOLOGY THORETICAL EDUCATION PROGRAM

LECTURE	**TIME**	**LECTURER**
Examination of cardiovascular system	2	Elif EROĞLU,MD Assoc.Prof.
Clinical electrocardiography	2	Fatih BAYRAK, MD Assoc.Prof
Ischemic heart disease	2	Olcay ÖZVEREN,MD Assist.Prof.
Heart failure	2	Elif EROĞLU, MD Assoc .Prof
Heart valve diseases	2	Olcay ÖZVEREN,MD Assist.Prof.
Cardiac arrhytmias	2	Fatih BAYRAK MD Assoc.Prof
Myocardiyal diseases and cardiomyopathies	1	Olcay ÖZVEREN,MD Assist.Prof.
Cardiovascular emergencies	1	Fatih BAYRAK, MD Assoc.Prof.
Rheumatic fever and Infective endocarditis	1	Fatih BAYRAK, MD Assoc.Prof
Pericardial diseases	1	Fatih BAYRAK, MD Assoc.Prof
WRITTEN EXAM		

LECTURE	**TIME**	**LECTURER**
Examination of cardiovascular system	2	Elif EROĞLU,MD Assoc.Prof.
Clinical electrocardiography	2	Fatih BAYRAK, MD Assoc.Prof
Ischemic heart disease	2	Olcay ÖZVEREN,MD Assist.Prof.
Heart failure	2	Elif EROĞLU, MD Assoc .Prof
Heart valve diseases	2	Olcay ÖZVEREN,MD Assist.Prof.
Cardiac arrhytmias	2	Fatih BAYRAK MD Assoc.Prof
Myocardiyal diseases and cardiomyopathies	1	Olcay ÖZVEREN,MD Assist.Prof.
Cardiovascular emergencies	1	Fatih BAYRAK, MD Assoc.Prof.
Rheumatic fever and Infective endocarditis	1	Fatih BAYRAK, MD Assoc.Prof
Pericardial diseases	1	Fatih BAYRAK, MD Assoc.Prof
WRITTEN EXAM		

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
(12.09.2011-18.11.2011)

DATE		TIME	LECTURE	Lecturer
12.09.2011	Monday	13:00-13:50	Introduction to Pediatrics, history taking and physical examination	A.Vitrinel
		14:00-14:50	Neurological examination	A.Vitrinel
13.09.2011	Tuesday	13:00-13:50	Cardiovascular system examination	G.Ç.Erdağ
		14:00-14:50	Electrocardiographic principles	G.Ç.Erdağ
14.09.2011	Wednesday	13:00-13:50	Gastrointestinal and genitourinary system examination	M.Gülcan
		14:00-14:50	Respiratory system examination	R.Cengizlier
15.09.2011	Thursday	13:00-13:50	Newborn examination	F.Bakar
		14:00-14:50	Prematurity, postmaturity	F.Bakar
16.09.2011	Friday	09:00-09:50	Basic principles and practice of clinical biochemistry	S.Öztezcan
		10:00-10:50	Liver function and enzymes	S.Öztezcan
		11:00-11:50	Growth and development	A.Vitrinel
		12:00-12:50	Growth retardation	A.Vitrinel
19.09.2011	Monday	13:00-13:50	Nutrition	Y.Akın
		14:00-14:50	Nutrition	Y.Akın
20.09.2011	Tuesday	13:00-13:50	Malnutrition	A.Vitrinel

		14:00-14:50	Malabsorbtion	M.Gülcan
21.09.2011	Wednesday	13:00-13:50	Vitamin deficiencies	Y.Akın
		14:00-14:50	Rickets	Y.Akın
22.09.2011	Thursday	13:00-13:50	Obesity	G.Ç.Erdağ
		14:00-14:50	Parasitosis	D.Çöl
23.09.2011	Friday	09:00-09:50	Carbohyrates and diabetes mellitus	S.Öztezcan
		10:00-10:50	Lipids and cardiac markers	S.Öztezcan
		11:00-11:50	Approach to the child with fever	S.Biçer
		12:00-12:50	Calcium metabolism hyperparatiroidism, hypoparatiroidism	T.Giray
26.09.2011	Monday	13:00-13:50	Immunization principles	A.Vitrinel
		14:00-14:50	Vaccination	A.Vitrinel
27.09.2011	Tuesday	11:00-11:50	Introduction to anemia, iron deficiency anemia	A.Vitrinel
		12:00-12:50	Non-hemolytic anemias	A.Vitrinel
28.09.2011	Wednesday	13:00-13:50	Fluid and electrolyte disorders	S. Biçer
		14:00-14:50	Acid-base disorders	S. Biçer
29.09.2011	Thursday	13:00-13:50	Hemolytic anemias	R.Cengizlier
		14:00-14:50	Hemolytic anemias	R.Cengizlier

30.09.2011	Friday	09:00-09:50	Urinalysis and other body fluids	S.Öztezcan
		10:00-10:50	Renal function, electrolytes and acid-base balance	S.Öztezcan
		11:00-11:50	Hypertension	G.Ç.Erdağ
		12:00-12:50	Puberty and pubertal disorders	G.Ç.Erdağ
		14:00-14:50	Diagnostic Methods in Infectious Diseases	G.Çelik
03.10.2011	Monday	13:00-13:50	Disorders of coagulation	D.Çöl
		14:00-14:50	Disorders of coagulation	D.Çöl
04.10.2011	Tuesday	13:00-13:50	Tubulopathies	G.Ç.Erdağ
		14:00-14:50	Urinary tract infections	G.Ç.Erdağ
05.10.2011	Wednesday	13:00-13:50	Acute glomerulonephritis	T.Giray
		14:00-14:50	Nephrotic syndrome	T.Giray
06.10.2011	Thursday	13:00-13:50	Acute renal failure	S.Biçer
		14:00-14:50	Chronic renal failure	T.Giray
07.10.2011	Friday	09:00-09:50	Hematology and coagulation	S.Öztezcan
		10:00-10:50	Evaluation of endocrine function	S.Öztezcan
		11:00-11:50	Upper Respiratory Tract Infection	R.Cengizlier

		12:00-12:50	Lower Respiratory Tract Infection	R.Cengizlier
		14:00-14:50	Genetic Diseases in Pediatrics	A.Kuşkucu
10.10.2011	Monday	13:00-13:50	Thrombosis	S.Biçer
		14:00-14:50	Stroke	A.Vitrinel
11.10.2011	Tuesday	13:00-13:50	Hepatitis	M.Gülcan
		14:00-14:50	Hepatitis	M.Gülcan
12.10.2011	Wednesday	13:00-13:50	Acute gastroenteritis	S.Biçer
		14:00-14:50	Inborn Erros of Metabolism	G.Ç.Erdağ
13.10.2011	Thursday	13:00-13:50	Diabetes Mellitus	G.Ç.Erdağ
		14:00-14:50	Diabetes Mellitus	G.Ç.Erdağ
14.10.2011	Friday	09:00-09:50	Specific proteins and tumor markers	S.Öztezcan
		10:00-10:50	Blood gases, vitamins and trace elements	S.Öztezcan
		11:00-11:50	Immunolocigal tests and principles	G.Y.Demirel
		12:00-12:50	Neuroimmunology	G.Y.Demirel
		14:00-14:50	Genetic diseases in childhood	A.Kuşkucu
17.10.2011	Monday	13:00-13:50	Congenital heart disease	D.Çöl

		14:00-14:50	Congestive heart failure	D.Çöl
18.10.2011	Tuesday	13:00-13:50	Adrenal Hypofuncition	G.Ç.Erdağ
		14:00-14:50	Shock	S.Biçer
19.10.2011	Wednesday	13:00-13:50	Maculopapular-vesicular diseases	A.Vitrinel
		14:00-14:50	Tetanus, diphteria, mumps	A.Vitrinel
20.10.2011	Thursday	13:00-13:50	Connective Tıssue Diseases	T.Giray
		14:00-14:50	Vasculitic Syndromes	T.Giray
21.10.2011	Friday	09:00-09:50	Diagnostic tests in immune deficiencies	G.Y.Demierel
		10:00-10:50	İmmunology of transplation	G.Y.Demierel
		11:00-11:50	Infective Endocarditis	D.Çöl
		12:00-12:50	Diseases of myocardium and pericardium	D.Çöl
		14:00-14:50	Genetic diseases in childhood	A.Kuşkucu
24.10.2011	Monday	13:00-13:50	Abdominal pain and peptic diseases,H.pylori infection	M.Gülcan
		14:00-14:50	Inflammatory bowel diseases	M.Gülcan
25.10.2011	Tuesday	13:00-13:50	Thyroid disorders and Congenital hypothyridism	F.T.Bakar
		14:00-14:50	Neonatal infections	F.T.Bakar

26.10.2011	Wednesday	13:00-13:50	Wheezy infant	R.Cengizlier
		14:00-14:50	Asthma	R.Cengizlier
27.10.2011	Thursday	13:00-13:50	Neonatal Hyperbilirubinemia	F.T.Bakar
		14:00-14:50	Respiratory Distress Syndrome	F.T.Bakar
31.10.2011	Monday	13:00-13:50	Urticeria, atopic dermatitis	R.Cengizlier
		14:00-14:50	Tuberculosis	R.Cengizlier
01.11.2011	Tuesday	13:00-13:50	Hemotological and metabolic disorders in newborn	F.T.Bakar
		14:00-14:50	Neonatal convulsions	F.T.Bakar
02.11.2011	Wednesday	13:00-13:50	Introduction to Pediatric Oncology	R.Cengizlier
		14:00-14:50	Malignancy in childhood	R.Cengizlier
03.11.2011	Thursday	13:00-13:50	Approach to the patient with convulsion	S.Biçer
		14:00-14:50	Intoxication	S.Biçer
04.11.2011	Friday	09:00-09:50	Cancer İmmunology	G.Y.Demirel
		10:00-10:50	Autoimmunity and Diagnostic Tests	G.Y.Demirel
		11:00-11:50	Acute rheumatic fever	A.Vitrinel
		12:00-12:50	Viral paralytic diseases	A.Vitrinel

14.11.2011	Monday	13:00-13:50	Cirrhosis, portal hypertension	M.Gülcan
		14:00-14:50	Infections of CNS	T.Giray
15.11.2011	Tuesday	13:00-13:50	Blood transfusions and complications	S.Biçer
		14:00-14:50	Dis	A.Vitrinel
16.11.2011	Wednesday	13:00-13:50	FREE TIME	
		14:00-14:50		
17.11.2011	Thursday	09:30-11:30	WRITTEN EXAM	
18.11.2011	Friday	08:00-08:50	ORAL EXAM	
		10:00-10:50		
		11:00-11:50		
		12:00-12:50		

Pediatrics group A

(05.12.2011-10.02.2012)

DATE		TIME	LECTURE	Lecturer
05.12.2011	Monday	13:00-13:50	Introduction to Pediatrics, history taking and physical examination	A.Vitrinel
		14:00-14:50	Neurological examination	A.Vitrinel
06.12.2011	Tuesday	13:00-13:50	Cardiovascular system examination	G.Ç.Erdağ
		14:00-14:50	Electrocardiographic principles	G.Ç.Erdağ
07.12.2011	Wednesday	13:00-13:50	Gastrointestinal and genitourinary system examination	M.Gülcan
		14:00-14:50	Respiratory system examination	R.Cengizlier
08.12.2011	Thursday	13:00-13:50	Newborn examination	F.Bakar
		14:00-14:50	Prematurity, postmaturity	F.Bakar
09.12.2011	Friday	09:00-09:50	Basic principles and practice of clinical biochemistry	S.Öztezcan
		10:00-10:50	Liver function and enzymes	S.Öztezcan
		11:00-11:50	Growth and development	A.Vitrinel
		12:00-12:50	Growth retardation	A.Vitrinel
12.12.2011	Monday	13:00-13:50	Nutrition	Y.Akın
		14:00-14:50	Nutrition	Y.Akın

13.12.2011	Tuesday	13:00-13:50	Malnutrition	A.Vitrinel
		14:00-14:50	Malabsorbtion	M.Gülcan
14.12.2011	Wednesday	13:00-13:50	Vitamin deficiencies	Y.Akın
		14:00-14:50	Rickets	Y.Akın
15.12.2011	Thursday	13:00-13:50	Obesity	G.Ç.Erdağ
		14:00-14:50	Parasitosis	D.Çöl
16.12.2011	Friday	09:00-09:50	Carbohyrates and diabetes mellitus	S.Öztezcan
		10:00-10:50	Lipids and cardiac markers	S.Öztezcan
		11:00-11:50	Approach to the child with fever	S.Biçer
		12:00-12:50	Calcium metabolism hyperparatiroidism, hypoparatiroidism	T.Giray
19.12.2011	Monday	13:00-13:50	Immunization principles	A.Vitrinel
		14:00-14:50	Vaccination	A.Vitrinel
20.12.2011	Tuesday	11:00-11:50	Introduction to anemia, iron deficiency anemia	A.Vitrinel
		12:00-12:50	Non-hemolytic anemias	A.Vitrinel
21.12.2011	Wednesday	13:00-13:50	Fluid and electrolyte disorders	S. Biçer
		14:00-14:50	Acid-base disorders	S. Biçer

22.12.2011	Thursday	13:00-13:50	Hemolytic anemias	R.Cengizlier
		14:00-14:50	Hemolytic anemias	R.Cengizlier
23.12.2011	Friday	09:00-09:50	Urinalysis and other body fluids	S.Öztezcan
		10:00-10:50	Renal function, electrolytes and acid-base balance	S.Öztezcan
		11:00-11:50	Hypertension	G.Ç.Erdağ
		12:00-12:50	Puberty and pubertal disorders	G.Ç.Erdağ
26.12.2011	Monday	13:00-13:50	Disorders of coagulation	D.Çöl
		14:00-14:50	Disorders of coagulation	D.Çöl
27.12.2011	Tuesday	13:00-13:50	Tubulopathies	G.Ç.Erdağ
		14:00-14:50	Urinary tract infections	G.Ç.Erdağ
28.12.2011	Wednesday	13:00-13:50	Acute glomerulonephritis	T.Giray
		14:00-14:50	Nephrotic syndrome	T.Giray
29.12.2011	Thursday	13:00-13:50	Acute renal failure	S.Biçer
		14:00-14:50	Chronic renal failure	T.Giray
30.12.2011	Friday	09:00-09:50	Hematology and coagulation	S.Öztezcan
		10:00-10:50	Evaluation of endocrine function	S.Öztezcan
		11:00-11:50	Upper Respiratory Tract Infection	R.Cengizlier

		12:00-12:50	Lower Respiratory Tract Infection	R.Cengizlier
02.01.2012	Monday	13:00-13:50	Thrombosis	S.Biçer
		14:00-14:50	Stroke	A.Vitrinel
03.01.2012	Tuesday	13:00-13:50	Hepatitis	M.Gülcan
		14:00-14:50	Hepatitis	M.Gülcan
04.01.2012	Wednesday	13:00-13:50	Acute gastroenteritis	S.Biçer
		14:00-14:50	Inborn Erros of Metabolism	G.Ç.Erdağ
05.01.2012	Thursday	13:00-13:50	Diabetes Mellitus	G.Ç.Erdağ
		14:00-14:50	Diabetes Mellitus	G.Ç.Erdağ
06.01.2012	Friday	09:00-09:50	Specific proteins and tumor markers	S.Öztezcan
		10:00-10:50	Blood gases, vitamins and trace elements	S.Öztezcan
		11:00-11:50	Immunolocigal tests and principles	G.Y.Demirel
		12:00-12:50	Neuroimmunology	G.Y.Demirel
09.01.2012	Monday	13:00-13:50	Congenital heart disease	D.Çöl
		14:00-14:50	Congestive heart failure	D.Çöl

10.01.2012	Tuesday	13:00-13:50	Adrenal Hypofuncition	G.Ç.Erdağ
		14:00-14:50	Shock	S.Biçer
11.01.2012	Wednesday	13:00-13:50	Maculopapular-vesicular diseases	A.Vitrinel
		14:00-14:50	Tetanus, diphteria, mumps	A.Vitrinel
12.01.2012	Thursday	13:00-13:50	Connective Tıssue Diseases	T.Giray
		14:00-14:50	Vasculitic Syndromes	T.Giray
13.01.2012	Friday	09:00-09:50	Diagnostic tests in immune deficiencies	G.Y.Demierel
		10:00-10:50	İmmunology of transplation	G.Y.Demierel
		11:00-11:50	Infective Endocarditis	D.Çöl
		12:00-12:50	Diseases of myocardium and pericardium	D.Çöl
16.01.2012	Monday	13:00-13:50	Abdominal pain and peptic diseases,H.pylori infection	M.Gülcan
		14:00-14:50	Inflammatory bowel diseases	M.Gülcan
17.01.2012	Tuesday	13:00-13:50	Thyroid disorders and Congenital hypothyridism	F.T.Bakar
		14:00-14:50	Neonatal infections	F.T.Bakar
18.01.2012	Wednesday	13:00-13:50	Wheezy infant	R.Cengizlier
		14:00-14:50	Asthma	R.Cengizlier

19.01.2012	Thursday	13:00-13:50	Neonatal Hyperbilirubinemia	F.T.Bakar
		14:00-14:50	Respiratory Distress Syndrome	F.T.Bakar
20.01.2012	Friday	09:00-09:50	Cancer İmmunology	G.Y.Demirel
		10:00-10:50	Autoimmunity and Diagnostic Tests	G.Y.Demirel
		11:00-11:50	Acute rheumatic fever	A.Vitrinel
		12:00-12:50	Viral paralytic diseases	A.Vitrinel
23.01.2012	Monday	13:00-13:50	Urticeria, atopic dermatitis	R.Cengizlier
		14:00-14:50	Tuberculosis	R.Cengizlier
24.01.2012	Tuesday	13:00-13:50	Hemotological and metabolic disorders in newborn	F.T.Bakar
		14:00-14:50	Neonatal convulsions	F.T.Bakar
25.01.2012	Wednesday	13:00-13:50	Introduction to Pediatric Oncology	R.Cengizlier
		14:00-14:50	Malignancy in childhood	R.Cengizlier
26.01.2012	Thursday	13:00-13:50	Approach to the patient with convulsion	S.Biçer
		14:00-14:50	Intoxication	S.Biçer
27.01.2012	Friday	09:00-09:50	Genetic diseases in childhood	A.Kuşkucu
		10:00-10:50	Genetic diseases in childhood	A.Kuşkucu

30.01.2012	Monday	13:00-13:50	Cirrhosis, portal hypertension	M.Gülcan
		14:00-14:50	Infections of CNS	T.Giray
31.01.2012	Tuesday	13:00-13:50	Diagnostic Methods in Infectious Diseases	G.Çelik
		14:00-14:50	Genetic Diseases in Pediatrics	A.Kuşkucu
01.02.2012	Wednesday	13:00-13:50	Blood transfusions and complications	S.Biçer
		14:00-14:50	Dıscussion	A.Vitrinel
02-03-06-07-08.02.2012		FREE TIME		
09.02.2012	Thursday	09:30-11:30	WRITTEN EXAM	
10.02.2012	Friday	08:00-08:50	ORAL EXAM	
		10:00-10:50		
		11:00-11:50		
		12:00-12:50		

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
- Etiology of septic shock
- Pathophysiology of sepsis
- Treatment in septic shock
- Monitoring the patient

1. 10 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. 11 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. 12 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. 13 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. 14 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. 15 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. 16 The systemic response to injury
   - Etiology
   - Pathophsiology
   - Diagnosis
   - Treatment

1. 17 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. 18 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. 19 Wound healing and Surgical infections
   - Wound healing
   - Surgical wound infections
   - Prevention and treatment of surgical wound infections
   - Soft tissue infections
     - Necrotizing infections
   - Tetanus

1. 20 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. 21 Transplantation (Liver, Renal and pancreas)
   - Immunology – Allogreft – Organ donation
   - Donor selection
   - Surgical procedures
   - Monitorization of graft function

1. 22 Intestinal obstruction
   - Definition and classification
   - Etiology
   - Diagnostic measures
   - Therapy options

1. 23 Disorders of adrenals and spleen
   - Anatomy and physiology of the spleen
   - Trauma and hematologic disorders
   -
   - Tumors of the adrenal glands
   - Adrenal insufficiency

1. 24 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 Assist Prof.Baki Ekçi
Fluid and electrolyte therapy	MD Prof.Özcan Gökçe
Gastrointestinal bleeding – Disorders of coagulation	MD Assist Prof.Murat Kalaycı
Shock and its treatment	MD Assist Prof.Baki Ekçi
Bening and malignant disease of the stomach -1	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 Assist Prof.Baki Ekçi
Bening and malignant disease of the stomach -2	MD Prof.Mehmet Çağlıkülekçi
Wound healing and Surgical infections	MD Assist Prof.Baki Ekçi
Bening and malignant disease of the oesophagus	MD Prof.Mehmet Çağlıkülekçi
Surgical nutrition	MD Prof.Mehmet Çağlıkülekçi
Intestinal obstruction	MD Prof.Mehmet Çağlıkülekçi
Disease of the adrenal glands and spleen	MD Assist Prof.Murat Kalaycı
Liver Transplantation Renal and pancreas transplantation	MD Prof. Özcan Gökçe

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

Prof..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	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	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	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	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. 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

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

4. Breast cancer, treatment options & breast reconstruction
   Learning objectives

You should:
- Understand it's etiologies
- Learn how to diagnose a breast lesion
- Surgical reconstruction options & timing of the treatment
- Be able to answer common questions about breast reconstruction
- Learn how to refer patients for optimal therapy

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

6. 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

7. 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

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

9. 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

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

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
Breast cancer, treatment options & breast reconstruction
Skin 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

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

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

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

15.30 Round, bedside practice

2. DAY

08.30 Round, bedside practice

09:00 Lecture

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

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

15.30 Round, bedside practice

3. DAY

08.30 Round, bedside practice

09.00 Lecture
Skin cancer — Ugur Anıl Bingöl , MD, Ass. Prof. Dr.

10.30 Lecture
Maxillofacial trauma — Ugur Anıl Bingöl , MD, Ass. Prof. Dr.

Lecture
Burn and reconstructive surgery — Ugur Anıl Bingöl , MD, Ass. Prof. Dr.

15.30 Round, bedside practice

4. DAY

08.30 Round, bedside practice

09.00 Lecture
Breast cancer, treatment options & breast reconstruction
Ugur Anıl Bingöl , MD, Ass. Prof. Dr.

10.30 Lecture
Principles of hand surgery — Ugur Anıl Bingöl , MD, Ass. Prof. Dr.

15.30 Round, bedside practice

5. DAY

08.30 Round, bedside practice
10.00 Written examination
11.00 Oral examination

THORACIC SURGERY
(1 WEEK)

Yeditepe University Medical Faculty & Süreyyapaşa Thoracic Diseases and Thoracic Surgery Training and Research Hospital Stage IV Thoracic Surgery Clerkship Theoretical Education Program

İrfan Yalçınkaya, M.D
Sina Ercan, M.D
S. Volkan Baysungur, M.D
Tunç Laçin, M.D
Cansel Atinkaya Öztürk, M.D

Learning objectives:

1) Introduction to thoracic surgery
2) Surgical anatomy with surface landmarks and thoracic incisions
3) Preoperative evaluation and diagnostic procedures in thoracic surgery
4) Thoracic trauma I
5) Thoracic trauma II
6) Spontaneous pneumothorax and bullous disorders
7) Tracheobronchial & esophageal foreign bodies
8) Congenital, inflammatory and infectious diseases of lung
9) Lung cancers and other tumors of lung
10) Surgical treatment of the pathologies of pleural cavity
11) Chest wall diseases and surgical treatment
12) Surgical pathologies of trachea and their treatment
13) Mediastinal diseases and surgical treatment
14) Diaphragmatic disorders
15) Esophageal diseases and surgical treatment
16) Video-assisted thoracoscopic surgery & robotic surgery in thoracic surgery

1) Introduction to thoracic surgery

The history of the thoracic surgery in Turkey and The World, as well as the brief history of Süreyyapaşa Hospital, in parallel with the specifics of thoracic surgery

2) Surgical anatomy with surface landmarks and thoracic incisions

The surgical importance of the normal anatomic features of the thorax with surface landmarks that help to locate internal thoracic structures and pathologies as well as the most common thoracic incisions with their frequent uses.

3) Preoperative evaluation and diagnostic procedures in thoracic surgery

The ways to evaluate the preoperative, perioperative and postoperative risk *factors as well as the importance of and indications for the most common invasive diagnostic procedures.*

4) Thoracic trauma I

The major pathologies that are faced in thoracic traumas, the major investigative tests, imaging and procedures to diagnose and tips and pitfalls to triage, treat or transfer a trauma patient

5) Thoracic trauma II

The major pathologies that are faced in thoracic traumas, the major investigative tests, imaging and procedures to diagnose and tips and pitfalls to triage, treat or transfer a trauma patient

6) Spontaneous pneumothorax and bullous disorders

Signs and symptoms of primary and secondary spontaneous pneumothorax, the basic tests and imaging to diagnose as well as their treatment modalities. The classification *and* surgical treatment *of* bullous disorders

7) Tracheobronchial & esophageal foreign bodies

The pediatric and adult foreign body aspirations and ingestion; Diagnosis, and treatment

8) Congenital, inflammatory and infectious diseases of lung

Diagnostic procedures of congenital, inflammatory and infectious diseases of lung, their differential diagnosis and treatment modalities

9) Lung cancers and other tumors of lung

Typing, diagnosis and staging of pulmonary malignancies, the treatment modalities with evaluation of patients for possible treatment modalities

10) Surgical treatment of the pathologies of pleural cavity

Pleural effusions, infections, their evaluation and diagnostic procedures as well as treatment methods

11) Chest wall diseases and surgical treatment

Chest wall benign and malignant neoplasms as well as congenital chest wall malformations with their diagnostic and treatment modalities.

12) Surgical pathologies of Trachea and their treatment

Description, etiology, differential diagnosis and diagnostic procedures or major tracheal pathologies and their surgical treatment

13) Mediastinal diseases and surgical treatment

The mediastinal compartments and the most common pathologies seen in each compartment with their differential diagnosis, diagnostic and treatment methods

14) Diaphragmatic disorders

Anatomy of diaphragm, congenital and acquired deformities of diaphragm and their surgical treatment approcahes

15) Esophageal diseases and surgical treatment

Anatomy of esophagus, its functional tests and benign and malignant pathologies with their evaluation and treatment

16) Video-assisted thoracoscopic surgery & robotic surgery in thoracic surgery

Contemporary surgical approaches to thoracic pathologies including minimally invasive surgical approaches such as Video-assisted thoracoscopic surgery and robotic surgery.

Monday

08.00- 08.45	Bed side training	İrfan Yalçınkaya, M.D
09.00- 09.45	Bed side training	İrfan Yalçınkaya, M.D
10.00- 10.45	Practice, operating room	İrfan Yalçınkaya, M.D
11.00- 11.45	Practice, operating room	İrfan Yalçınkaya, M.D
13.00- 13.45	Lesson 1	İrfan Yalçınkaya, M.D
14.00- 14.45	Lesson 2	Cansel Atinkaya Öztürk, M.D
15.00- 15.45	Lesson 3	S. Volkan Baysungur, M.D
16.00- 16.45	Lesson 4	Tunç Laçin, M.D

Tuesday

08.00- 08.45	Bed side training	S. Volkan Baysungur, M.D
09.00- 09.45	Bed side training	S. Volkan Baysungur, M.D
10.00- 10.45	Practice, operating room	S. Volkan Baysungur, M.D
11.00- 11.45	Practice, operating room	S. Volkan Baysungur, M.D
13.00- 13.45	Lesson 5	İrfan Yalçınkaya, M.D
14.00- 14.45	Lesson 6	S. Volkan Baysungur, M.D
15.00- 15.45	Lesson 7	İrfan Yalçınkaya, M.D
16.00- 16.45	Lesson 8	Tunç Laçin, M.D

Wednesday

08.00- 08.45	Bed side training	Tunç Laçin, M.D
09.00- 09.45	Bed side training	Tunç Laçin, M.D
10.00- 10.45	Practice, operating room	Tunç Laçin, M.D
11.00- 11.45	Practice, operating room	Tunç Laçin, M.D
13.00- 13.45	Lesson 9	Cansel Atinkaya Öztürk, M.D
14.00- 14.45	Lesson 10	S. Volkan Baysungur, M.D
15.00- 15.45	Lesson 11	Tunç Laçin, M.D
16.00- 16.45	Lesson 12	Sina Ercan, M.D

Thursday

08.00- 08.45	Bed side training	Cansel Atinkaya Öztürk, M.D
09.00- 09.45	Bed side training	Cansel Atinkaya Öztürk, M.D
10.00- 10.45	Practice, operating room	Cansel Atinkaya Öztürk, M.D
11.00- 11.45	Practice, operating room	Cansel Atinkaya Öztürk, M.D
13.00- 13.45	Lesson 13	Cansel Atinkaya Öztürk, M.D
14.00- 14.45	Lesson 14	İrfan Yalçınkaya, M.D
15.00- 15.45	Lesson 15	İrfan Yalçınkaya, M.D
16.00- 16.45	Lesson 16	S. Volkan Baysungur, M.D

Friday

13.00- 17.00	Written and oral exam	Sina Ercan, M.D İrfan Yalçınkaya, M.D

OBSTETRICS AND GYNECOLOGY (6 Weeks)

YEDITEPE UNIVERSITY FACULTY OF MEDICINE
DEPARTMENT of GYNECOLOGY and OBSTETRICS

EDUCATIONAL PROGRAM

CURRICULUM – 2011-2012	
27.2.2012	**a- Gynecology: an overview including related anatomy (Gazi YILDIRIM)** **b- Female reproductive physiology (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.
28.2.2012	**a-Ovarian functions and its neuro-endocrine control (Cem FICICIOGLU)** **b-Developmental defects of the female reproductive tract (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
29.2.2012	**a-Pediatric gynecology, puberty and normal menstrual cycle; gynecological disorders in children and adolescents (Aslı SOMUNKIRAN)** **b-Pre-, peri- and post-operative patient care (Aslı SOMUNKIRAN)**
	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 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
1.3.2012	**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
2.3.2012	**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.
5.3.2012	**a-Perimenoposal – postmenopausal hormone treatment (Aslı SOMUNKIRAN)** **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.
6.3.2012	**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
7.3.2012	**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)
8.3.2012	**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:
9.3.2012	**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
12.3.2012	**a-Perinatal follow-ups (Oluş APİ)** **b-Antenatal screening tests (Oluş APİ)** **c-Prenatal diagnosis (Oluş APİ)**
	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
13.3.2012	**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
14.3.2012	**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
15.3.2012	**a-Multiple pregnancies (Oluş APİ)** **b-Hematological disorders and pregnancy (Oluş APİ)**
	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
16.3.2012	**a-Hypertensive disorders and pregnancy (Oluş APİ)** **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
19.3.2012	**a-Hormonal disorders and pregnancy (Oluş APİ)** **b-Pre-gestational and gestational diabetes (Oluş APİ)**
	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

20.3.2012	**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
21.3.2012	**a-Perinatal infections (Oluş APİ)** **b-Rh isoimmunisation (Oluş APİ)**
	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
22.3.2012	**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
23.3.2012	**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
26.3.2012	**a-Preterm premature rupture of membranes (Aslı SOMUNKIRAN)** **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
27.3.2012	**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
28.3.2012	**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
29.3.2012	**a-Benign disorders of uterus, Fallopian tubes and ovaries (Aslı SOMUNKIRAN)** **b- Postnatal contraception and sterilization (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 contraception and sterilization techniques - Know the most appropriate methods for contraception after delivery - Know the effects of the hormonal and non-hormonal contraceptive methods
30.3.2012	**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
2.4.2012	**a-Pre-invasive cervical neoplasm (Gazi YILDIRIM)** **b-Cervix carcinoma (Gazi YILDIRIM)**
	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
3.4.2012	**a-Benign disorders of vagina (Rukset ATTAR)** **b-Vulvo-vaginal carcinoma (Rukset ATTAR)**
	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
4.4.2012	**a-Malignant disorders of uterus, endometrium carcinoma (Gazi YILDIRIM)** **b-Malignant ovarian tumors and malignant disorders of Fallopian tubes (Gazi YILDIRIM)**
	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
5.4.2012	**a-Pelvic relaxation (Gazi YILDIRIM)** **b-Uro-gynecology (Gazi YILDIRIM)**
	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

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DEPARTMENT of GYNECOLOGY and OBSTETRICS

EDUCATIONAL PROGRAM

CURRICULUM – 2011-2012	
24.4.2012	**a- Gynecology: an overview including related anatomy (Gazi YILDIRIM)** **b- Female reproductive physiology (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.
25.4.2012	**a-Ovarian functions and its neuro-endocrine control (Cem FICICIOGLU)** **b-Developmental defects of the female reproductive tract (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
26.4.2012	**a-Pediatric gynecology, puberty and normal menstrual cycle; gynecological disorders in children and adolescents (Aslı SOMUNKIRAN)** **b-Pre-, peri- and post-operative patient care (Aslı SOMUNKIRAN)**
	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 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
27.4.2012	**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
30.4.2012	**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.
1.5.2012	**a-Perimenoposal – postmenopausal hormone treatment (Aslı SOMUNKIRAN)** **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.
2.5.2012	**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

3.5.2012	**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)
4.5.2012	**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:
7.5.2012	**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
8.5.2012	**a-Perinatal follow-ups (Oluş APİ)** **b-Antenatal screening tests (Oluş APİ)** **c-Prenatal diagnosis (Oluş APİ)**
	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
9.5.2012	**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
10.5.2012	**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
11.5.2012	**a-Multiple pregnancies (Oluş APİ)** **b-Hematological disorders and pregnancy (Oluş APİ)**
	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
14.5.2012	**a-Hypertensive disorders and pregnancy (Oluş APİ)** **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
15.5.212	**a-Hormonal disorders and pregnancy (Oluş APİ)** **b-Pre-gestational and gestational diabetes (Oluş APİ)**
	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
16.5.2012	**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
17.5.2012	**a-Perinatal infections (Oluş APİ)** **b-Rh isoimmunisation (Oluş APİ)**
	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
18.5.2012	**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
21.5.2012	**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
22.5.2012	**a-Preterm premature rupture of membranes (Aslı SOMUNKIRAN)** **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
23.5.2012	**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
24.5.2012	**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
25.5.2012	**a-Benign disorders of uterus, Fallopian tubes and ovaries (Aslı SOMUNKIRAN)** **b- Postnatal contraception and sterilization (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 contraception and sterilization techniques - Know the most appropriate methods for contraception after delivery - Know the effects of the hormonal and non-hormonal contraceptive methods
28.5.2012	**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
29.5.2012	**a-Pre-invasive cervical neoplasm (Gazi YILDIRIM)** **b-Cervix carcinoma (Gazi YILDIRIM)**
	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
30.5.2012	**a-Benign disorders of vagina (Rukset ATTAR)** **b-Vulvo-vaginal carcinoma (Rukset ATTAR)**
	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
31.5.2012	**a-Malignant disorders of uterus, endometrium carcinoma (Gazi YILDIRIM)** **b-Malignant ovarian tumors and malignant disorders of Fallopian tubes (Gazi YILDIRIM)**
	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
1.6.2012	**a-Pelvic relaxation (Gazi YILDIRIM)** **b-Uro-gynecology (Gazi YILDIRIM)**
	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

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