

**YEDİTEPE UNIVERSITY**  
**FACULTY of MEDICINE**  
**PHASE IV**  
**ACADEMIC PROGRAM BOOK**  
**2016 – 2017**

Student's;

Name : .....

Nr : .....



**YEDİTEPE UNIVERSITY**  
**FACULTY OF MEDICINE**  
**PHASE IV**

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**YEDİTEPE UNIVERSITY FACULTY OF MEDICINE**  
**AIM AND OUTCOMES OF MEDICAL EDUCATION PROGRAM<sup>\*,\*\*</sup>**

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

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**AIM**

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

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

## OUTCOMES

Graduate should be able to:

### 1) *practice* as a physician,

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

- 1.1. **explain** normal structural components of human body, their functions and operational mechanisms at organismal, multisystem, system, organ, tissue, cellular and molecular levels.
- 1.2. **explain** healthy condition and factors affecting health.
- 1.3. **explain** and **relates** causes of clinical conditions, courses of effect and outcomes.
- 1.4. **explain** changes (*i.e. physiological and pathological*) in structural components of body, their functions and operational mechanisms under healthy and clinical conditions.
- 1.5. **explain** most frequently occurring or most important clinical complaints (*i.e. chief complaint*), symptoms, signs, laboratory and imaging findings and their emergence mechanisms in clinical conditions.
- 1.6. **explain** current medical and surgical methods used in interventions directed towards health conditions.
- 1.7. **use** contextually appropriate medical history taking method, out of different types (*e.g. comprehensive, focused or hypothetico-deductive*) and systematically, to gather medical information from healthy individual, Patient or Patient's companions (*i.e. heteroanamnesis*), in case of an encounter with a healthy person or a Patient who seeks health care service for a health condition.
- 1.8. **employ** Physical Examination methods for systems in case of an encounter with a healthy person or a Patient who seeks health care service for a health condition.
- 1.9. accurately **interpret** findings in medical history and Physical Examination, in case of an encounter with a healthy person or a Patient who seeks health care service for a health condition.
- 1.10. **implement** diagnostic procedures (*e.g. point of care testing, physician office testing*) required for primary health care, in case of an encounter with a healthy person or a Patient who seeks health care service for a health condition.

- 1.11. **select (utilize)** tests shown to be highly effective in clinical decision making by evidence-based medicine from the aspects of reliability, practicality and outcome measures, in case of an encounter with a healthy person or a Patient who seeks health care service for a health condition, and **interpret** results.
- 1.12. **make** clinical decisions (e.g. *benefit estimation, risk estimation, prevention, screening, test requisition, diagnosis, triage, staging, consultation, prognosis, watchful-waiting, intervention, monitoring, end of intervention, discharge, control, end of follow-up*) shown to be highly effective from the aspects of outcome measures by evidence-based medicine, in case of an encounter with a healthy person or a Patient who seeks health care service for a health condition.
- 1.13. accurately **perform** interventional procedures (*i.e. interventional clinical skills, competencies and proficiencies*) required for primary health care, in case of an encounter with a healthy person or a Patient who seeks health care service for a clinical condition.
- 1.14. **coordinate** referral or transport of Patient, when necessary and with Patient-centered Approach, to secondary health care institution, without posing any risk to Patient's health, security and confidentiality, in case of an encounter with a Patient who seeks health care service for a clinical condition.
- 1.15. **manage** request or symptom, healthy or clinical condition, and healthy individual or Patient, with beneficiary-centered Approach, and with clinical decisions made by analytical and critical thinking, clinical reasoning and problem solving methods, in case of an encounter with a Patient who seeks health care service for a health condition.
- 1.16. **execute** protective and therapeutic medical practices that are individual, family and community-oriented, easily accessible, integrated and coordinated, continuous, comprehensive, and based on the principles of confidentiality, in primary health care services.
- 1.17. **identify** factors that pose a high risk to individual and community health, and **determine** individuals or populations at risk in advance or at an early stage and implement the necessary measures.
- 1.18. **value** preventive health services, **offer** primary prevention (*i.e. prevention of diseases for the protection of health*), secondary prevention (*i.e. early diagnosis and treatment*) and tertiary prevention (*i.e. rehabilitation*) services, and **provide** consultancy on these issues.
- 1.19. **provide** life-style consultancy and design services to sustain and improve individual and community health.

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

- 2.1 **manage** health care team in primary health care organization.
- 2.2. **lead** community with sense of responsibility, good behavior and manners in consideration of individual behaviors and social dynamics of community, and if there is a necessity, **develop** projects directed towards health care services.
- 2.3 **define** health management and economics principles, models for organization and finance of health care services.
- 2.4 **use** health care resources with cost-effective manners.

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

- 3.1. **provide** consultancy services to sustain and promote the health of individual and community.
- 3.2. **explain** epidemiology of clinical conditions, and **define** measures to reduce frequencies.
- 3.3. **describe** completely all high risk factors for the community health (e.g. *natural disasters, nuclear accidents, fire, war, bio-terrorism, etc.*), and **implement** necessary measures in order to prevent effects on health.
- 3.4. **explain** health determinants completely (e.g. *physical environment, social environment, genetic background, individual response -behavior, biology-, health care services, welfare, etc.*), including conditions that prevent access to health care.

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

- 4.1 **recognize** determinants affecting individual behaviors and attitudes, and social dynamics.
- 4.2 **recognize** basic ethical principles completely, and **distinguish** ethical and legal problems.
- 4.3 **recognize** regulations concerning national and international health systems.
- 4.4 **employ** safety, security and confidentiality principles completely for beneficiaries of health care services, companions and visitors, and health care workers.
- 4.5 **use** medical record and information systems according to regulations and ethical principles.
- 4.6 **value** informed consent taking in the framework of Patients' rights, and **employ** fully.
- 4.7 **interpret** historical, anthropological and philosophical evolution of medicine, health and disease concepts, and **relate** to current medical practice

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

- 5.1. **communicate** by using problem solving abilities during all of professional life with health care beneficiaries, co-workers, accompanying persons, visitors, Patient's relatives, care givers, colleagues, other individuals and organizations.
- 5.2. **collaborate** with related organizations and institutions, with other professionals and health care workers as a team member through using problem solving abilities.
- 5.3. **communicate** with all stakeholders with consideration of socio-cultural differences.

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

- 6.1. **adopt** and **implement** the importance of lifelong self-learning.
- 6.2. **recognize** importance of updating knowledge and skills; **search** current advancements and improve own knowledge and skills.



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

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

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

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

**7) manage own postgraduate career.**

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

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

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

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

**YEDİTEPE UNIVERSITY**  
**FACULTY OF MEDICINE**  
**PHASE IV**

**PHASE IV COORDINATION COMMITTEE**  
**(TEACHING YEAR 2016 – 2017)**

Gazi YILDIRIM MD, Assoc. Prof. (**Coordinator**)

Müge BIÇAKÇIGİL MD, Assoc. Prof. (**Co-coordinator**)

Zehra EREN MD, Assoc. Prof. (**Co-coordinator**)

Hülya ERCAN SARIÇOBAN MD, Assoc. Prof. (**Co-coordinator**)

M. Feridun ÇELİKMEN MD, Assist Prof. (**Co-coordinator**)

**YEDİTEPE UNIVERSITY**  
**FACULTY of MEDICINE**  
**PHASE IV**

**DESCRIPTION OF PHASE IV**

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

**PHASE CONTENT**

Symptom-disease-Patient management in Internal Medicine, Pediatrics, Obstetrics and Gynecology, General Surgery, Cardiology, Thoracic Surgery, Plastic Surgery, Cardiovascular Surgery, Public Health

**EXECUTIVES OF ACADEMIC YEAR**

Biomedical Ethics and Deontology, Public Health, Pediatrics, Internal Medicine (Endocrinology, Infectious Diseases, Gastroenterohepatology, Hematology/Oncology, Rheumatology, Nephrology) Cardiology, General Surgery, Obstetrics and Gynecology, Thoracic Surgery, Plastic Surgery, Cardiovascular Surgery.

## AIM AND OBJECTIVES OF PHASE IV

### AIM

In 4th phase of program, students are intended to be brought up to the competency level to use their knowledge, skills and attitudes gained in the first three years, to diagnose, follow-up and treat Patients including the outPatients and/or inPatients.

### LEARNING OBJECTIVES OF PHASE IV

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

#### KNOWLEDGE

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

#### SKILLS

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

#### ATTITUDES

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

PHASE 4 ACADEMIC SCHEDULE 2016 - 2017	
GROUP A	
TRANSITION TO CLINICAL SETTINGS (1 WEEK) 29.08.2016 - 02.09.2016	
<p>INTERNAL MEDICINE (10 WEEKS) 05.09.2016 - 11.11.2016  THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL  PRACTICAL: HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL (H.N.H) + YEDİTEPE UNIVERSITY HOSPITAL</p>	
<p>CARDIOLOGY (2 WEEKS) 14.11.2016 - 25.11.2016  THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL - PRACTICAL: KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL</p>	
<p>CHILD HEALTH AND PEDIATRICS (10 WEEKS) 28.11.2016 - 03.02.2017  THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL + K.L.K  PRACTICAL: DR. LÜTFİ KIRDAR KARTAL TRAINING AND RESEARCH HOSPITAL. (K.L.K)</p>	
CLINICAL ETHICS (1 WEEK) 06.02.2017 - 10.02.2017 CAMPUS	
PUBLIC HEALTH (1 WEEK) 13.02.2017 - 17.02.2017 CAMPUS	
<p>GENERAL SURGERY (5 WEEKS) 20.02.2017 - 27.03.2017  THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL  PRACTICAL: HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL (H.N.H)</p>	
<p>THORACIC SURGERY  (1,5 WEEK) 28.03.2017 - 05.04.2017 SÜREYYAPAŞA THORACIC DISEASES AND THORACIC SURGERY TRAINING AND RESEARCH HOSPITAL</p>	<p>PLASTIC, RECONSTRUCTIVE &amp; AESTHETIC SURGERY  (1,5 WEEK) 28.03.2017 - 05.04.2017</p>
<p>PLASTIC, RECONSTRUCTIVE &amp; AESTHETIC SURGERY  (1,5 WEEK) 06.04.2017-14.04.2017</p>	<p>THORACIC SURGERY  (1,5 WEEK) 06.04.2017-14.04.2017 SÜREYYAPAŞA THORACIC DISEASES AND THORACIC SURGERY TRAINING AND RESEARCH HOSPITAL</p>
<p>CARDIOVASCULAR SURGERY (2 WEEKS) 17.04.2017 - 28.04.2017  PRACTICAL: KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL  THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL</p>	
<p>OBSTETRICS AND GYNECOLOGY (6 WEEKS) 01.05.2017 - 09.06.2017  THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL  PRACTICAL: ÜMRANİYE TRAINING AND RESEARCH HOSPITAL</p>	

PHASE 4 ACADEMIC SCHEDULE 2016 - 2017	
GROUP B	
TRANSITION TO CLINICAL SETTINGS (1 WEEK ) 29.08.2016 - 02.09.2016	
<p>CHILD HEALTH AND PEDIATRICS (10 WEEKS ) 05.09.2016 - 11.11.2016  THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL + K.L.K  PRACTICAL: DR. LÜTFİ KIRDAR KARTAL TRAINING AND RESEARCH HOSPITAL (K.L.K)</p>	
PUBLIC HEALTH (1 WEEK) 14.11.2016 - 18.11.2016 CAMPUS	
CLINICAL ETHICS (1 WEEK) 21.11.2016 -25.11.2016 CAMPUS	
<p>INTERNAL MEDICINE (10 WEEKS ) 28.11.2016 - 03.02.2017  THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL  PRACTICAL: HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL (H.N.H) + YEDİTEPE UNIVERSITY HOSPITAL</p>	
<p>CARDIOLOGY (2 WEEKS) 06.02.2017 - 17.02.2017  THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL PRACTICAL: KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL</p>	
<p>OBSTETRICS AND GYNECOLOGY (6 WEEKS) 20.02.2017 - 31.03.2017  THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL  PRACTICAL: ÜMRANİYE TRAINING AND RESEARCH HOSPITAL</p>	
<p>GENERAL SURGERY (5 WEEKS) 03.04.2017 - 08.05.2017  THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL  PRACTICAL: HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL (H.N.H)</p>	
<p>THORACIC SURGERY  (1,5 WEEK) 09.05.2017 -17.05.2017 SÜREYYAŞA THORACIC DISEASES AND THORACIC SURGERY TRAINING AND RESEARCH HOSPITAL</p>	<p>PLASTIC, RECONSTRUCTIVE &amp; AESTHETIC SURGERY  (1,5 WEEK) 09.05.2017 - 17.05.2017 YEDİTEPE UNIVERSITY HOSPITAL</p>
<p>PLASTIC, RECONSTRUCTIVE &amp; AESTHETIC SURGERY  (1,5 WEEK) 18.05.2017 - 26.05.2017 YEDİTEPE UNIVERSITY HOSPITAL</p>	<p>THORACIC SURGERY  (1,5 WEEK) 18.05.2017 - 26.05.2017 SÜREYYAŞA THORACIC DISEASES AND THORACIC SURGERY TRAINING AND RESEARCH HOSPITAL</p>
<p>CARDIOVASCULAR SURGERY (2 WEEKS ) 29.05.2017- 09.06.2017  PRACTICAL: KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL  THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL</p>	

**YEDİTEPE UNIVERSITY**  
**FACULTY OF MEDICINE**  
**PHASE IV**

**ACADEMIC CALENDER**  
**2016 - 2017**

<b>August 29, 2016 (Monday)</b>	<b>Beginning of Phase IV</b>
<b>August 30, 2016 (Tuesday)</b>	<b>National Holiday</b>
<b>September 12 - 16, 2016 (Monday - Friday)</b>	<b>Religious Holiday</b>
<b>October 20, 2016 14:00 (Thursday)</b>	<b>Coordination Committee Meeting</b>
<b>October 28 - 29, 2016 (Friday ½ - Saturday)</b>	<b>Republic Day - National Holiday</b>
<b>November 10, 2016 (Thursday, 09:00 - 12:00)</b>	<b>Commemoration of Atatürk</b>
<b>January 1, 2017 (Sunday)</b>	<b>New Year</b>
<b>January 5, 2017 (Wednesday)</b>	<b>Coordination Committee Meeting (with students participation)</b>
<b>March 14, 2017 (Tuesday)</b>	<b>Physicians' Day</b>
<b>April 23, 2017 (Sunday)</b>	<b>National Holiday</b>
<b>May 1, 2017 (Monday)</b>	<b>Labor's Day</b>
<b>May 10, 2017 (Wednesday)</b>	<b>Coordination Committee Meeting (with students participation)</b>
<b>May 19, 2017 (Friday)</b>	<b>National Holiday</b>
<b>June 09, 2017 (Friday)</b>	<b>End of Phase IV</b>
<b>July 04, 2017 (Tuesday)</b>	<b>Coordination Committee Meeting</b>

## STUDENT GROUPS

2016 - 2017 GROUP A			
	Student No	Name	Surname
1	20120800003	MERVE	ERİŞ
2	20120800004	DİLARA	GÜLŞAN
3	20120800006	MUSTAFA	SELİMOĞLU
4	20120800007	MEHMET İLHAN	SESİGÜZEL
5	20120800008	AYKUT	UÇAR
6	20120800010	İZGİ AYÇIL	GENCAN
7	20120800011	İREM	YAPAR
8	20120800012	ALARA	ATAACAR
9	20120800013	BÜŞRA	ZENGİN
10	20120800016	MEHMET YAĞIZ	YENİGÜN
11	20120800024	EGEMEN	TAVRAK
12	20120800026	GALİP EKİN	BENLİ
13	20120800032	YİĞİT	AKSOY
14	20120800041	MUSTAFA FATİH	ÖGÜNÇLÜ
15	20120800043	ELİF RABİA	İÇÖZ
16	20120800044	DAMLA	ALTUNOK
17	20120800050	ECE	İLTÜMÜR
18	20120800051	GİZEM NAZ	KAHRAMAN
19	20120800053	SALİHA NAZLI	KARDAŞ
20	20120800054	ÇAĞDAŞ ROBİN	KIRAN
21	20120800057	ECEM	KAHRAMAN
22	20120800061	İLKİM ECE	YILDIZ
23	20120800062	YELİZ	YANIKOĞLU
24	20120800063	YAĞMUR	YAVUZ
25	20120800064	FATMA CANAN	KARABAŞ
26	20120800065	ALİ ERDİ	AFACAN
27	20120800066	METEHAN	HERGÜNER
28	20120800067	DİLARA	MEDET
29	20120800071	BÜŞRA	YILDIZ
30	20120800072	NAZ	GÜÇLÜ
31	20120800081	MUSTAFA FADIL	YUNIS
32	20120800084	BURÇİN	TAK
33	20130800002	BURHAN OSMAN	ÖZTÜRK
34	20130800011	UMUT	KOÇ
35	20130800013	LEVENT AKMAN	SOLİM
36	20130800014	TALAT TAYGUN	TURAN
37	20130800016	MELİS	ERDAL
38	20130800017	EZGİ	URTEKİN
39	20130800022	MİRAC BERFU	TOKUÇ
40	20130800023	ÖZGÜL GİZEM	DİKENCİK



2016 - 2017 GROUP B			
	Student No	Name	Surname
1	20110800071	USAMA SULEIMAN	NASSOR
2	20130800024	GİZEM	GÜNGÖR
3	20130800025	HELİN DİCLE	ÖZBEK
4	20130800026	SEDA	AKKIZ
5	20130800027	TANSU ŞUA	ÖKTEM
6	20130800030	IRMAK	SINAL
7	20130800034	UFUK	ŞANKO
8	20130800036	BEHİÇ	ÇELİK
9	20130800037	AYDIN	İŞLETME
10	20130800038	İREM NUR	KIRAZ
11	20130800039	DOĞA	KURUOĞLU
12	20130800040	ASUDE	TURA
13	20130800041	HAZAL	SAĞKOL
14	20130800044	SEZİN	ÜNVER
15	20130800049	ZEYNEP BİRKE	TOKSÖZ
16	20130800051	SENA	AKYILDIZ
17	20130800052	MÜNİRE NAZLI	HÖBEK
18	20130800053	BEYZA	BÜYÜKÖREN
19	20130800057	CANER	ÇECE
20	20130800058	MÜMİN BERKAY	ŞEN
21	20130800060	BİLGE	KÖYLÜ
22	20130800061	ECE	TOPRAKÇI
23	20130800062	EZGİ	YILDIZ
24	20130800063	MÜGE	KALAYCIOĞLU
25	20130800067	GÖKALP ARİF	UTKUGÜN
26	20130800073	MELİS	ÖZGER
27	20130800077	DOĞUKAN	ARSLAN
28	20130800081	FATMA SARAAD	MOHAMUD
29	20130800082	NESİBE GÖKÇE	KALYONCU
30	20130800093	YASHAR	ADİBNİA
31	20130800095	CEMRE	ARDIÇ
32	20140800087	ÖZÜM CANSU	ŞAHİN
33	20140800090	BUSE	KAYMAKÇI
34	20130800096	MUSTAPHA	ABU RACHED
35	20140800092	MERVE SEZER	YILDIRIM
36	20140800095	CEMELMAS	ÖZAKINSEL
37	20140800101	ECE	DEMİRKIRKAN
38	20150800096	MELİS	SARAK
39	20150800100	BERK	KUTSAL
40	20150800104	LENA	ERTAÇ
41	20150800108	CEREN	KAYTAN

**YEDİTEPE UNIVERSITY**  
**FACULTY OF MEDICINE**

**RECOMMENDED TEXTBOOKS FOR PHASE IV**

DEPARTMENT	TEXTBOOK	AUTHOR	PUBLISHER
<b>INTERNAL MEDICINE</b>	<p>Harrison's Principles of Internal Medicine Edited by Dan L. Longo, Anthony S. Fauci, Dennis L. Kasper, Stephen L. Hauser, J. Larry Jameson, Joseph Loscalzo,</p> <p>-The Merck Manual of Diagnosis and Therapy. Edited by Porter RS, Kaplan JL</p> <p>-Current Opinion in Internal Medicine. Edited by: H David Humes</p> <p>-Cecil Medicine. Edited by Lee Goldman, MD and Andrew I. Schafer</p> <p>-Handbook of Nephrology &amp; Hypertension Edited by Christopher S. Wilcox, C. Craig Tisher</p> <p>-Netter's Gastroenterology. Edited by M Floch</p> <p>-YEDİTEPE Üniversitesi Tıp Fakültesi İç Hastalıkları Semiyoloji Kitabı Editör Prof Dr. Yaşar Küçükardalı</p> <ul style="list-style-type: none"> <li>▪ İNTERNET LİNKLERİ; <ul style="list-style-type: none"> <li>○ <a href="http://www.uptodate.com">www.uptodate.com</a>,</li> <li>○ <a href="http://bestpractice.bmj.com/best-practice/evidence">http://bestpractice.bmj.com/best-practice/evidence</a>,</li> <li>○ <a href="http://www.medicinenet.com/script/main/hp.asp">http://www.medicinenet.com/script/main/hp.asp</a></li> <li>○ <a href="http://www.accessmedicine.com">www.accessmedicine.com</a></li> </ul> </li> </ul>		
<b>CHILD HEALTH &amp; PEDIATRICS</b>	Nelson Textbook of Pediatrics	Robert M. Kliegman, MD, Bonita M.D. Stanton, MD, Joseph St. Geme, Nina Schor, MD, PhD and Richard E. Behrman, MD	Saunders, 2011
	CURRENT Diagnosis & Treatment: Pediatrics, 21ed	(William W. Hay Jr, Myron J. Levin, Robin R. Deterding, Mark J. Abzug, Judith M. Sondheimer)	Lange
<b>GENERAL SURGERY</b>	Schwartz's Principles of Surgery, 10th edition		
	Sabiston Textbook of Surgery: The Biological Basis of Modern Surgical Practice, 19th edition		
<b>OBSTETRICS &amp; GYNECOLOGY</b>	Current Obstetrics and Gynecology, Elsevier Publishing 2015		
<b>CARDIOVASCULAR SURGERY</b>	Cardiac Surgery in the Adult	Cohn L.H., et al	Mc Graw Hill

	Cardiac Surgery	Kouchoukos N.T., et al	Churchill Livingstone
	Haimovici's Vascular Surgery	Ascher E., et al.	Wiley-Blackwell
<b>CARDIOLOGY</b>	Braunwald's Heart Disease: A Textbook of Cardiovascular Medicine, 2-Volume Set, 10th Edition Marriott's Practical Electrocardiography		
<b>THORASIC SURGERY</b>	THORASIC SURGERY, Editors: Prof. Dr. Mustafa Yüksel, Prof. Dr. Akın Eraslan, Nobel Tıp Kitapevleri, ISBN: 978-605-335-122-1		
<b>PLASTIC RECONSTRUCTIVE &amp; AESTHETIC SURGERY</b>	Grabb and Smith's Plastic Surgery	Charles H. Thorne MD., et al	LWW
<b>CLINICAL ETHICS</b>	Jacques P. Thiroux , Keith W. Krasemann, Ethics: Theory and Practice, Pearson Publishing House, 2011, ISBN: 978-0205053148		
	Barbara MacKinnon, Ethics: Theory and Contemporary Issues , Wadsworth Publishing, 2011, ISBN: 0538452838		
	Bonnie F. Fremgen , Medical Law and Ethics , Prentice Hall Publishing House, 2011, ISBN: 0132559226		
<b>PUBLIC HEALTH</b>	Straus SE, Glasziou P, Richardson WS, Haynes RB. Evidence-based medicine: how to practice and teach it. Fourth Edition 2011. Churchill Livingstone Elsevier.		
	Glasziou P, Del Mar C, Salisbury J. Evidence-based Practice Workbook. BMJ Books, Blackwell Publishing, 2007.		
	Mayer D. Essential Evidence-based Medicine. Second Edition 2010. Cambridge University Press.		
	R. Brian Haynes, David L. Sackett, Gordon H. Guyatt, and Peter Tugwell. Clinical Epidemiology: How to do clinical practice research. Third edition, 2006. Lippincott Williams & Wilkins.		
	Howick J. The philosophy of evidence-based medicine. 2011, Blackwell Publishing Ltd.		
	Greenhalgh T. How to read a paper: the basics of evidence-based medicine. Fourth edition, 2010. BMJ Books		

## **SPECIFIC SESSIONS / PANELS**

### **Introductory Session**

#### **Aim of the session:**

The session provides basic information about Yeditepe University Faculty of Medicine Undergraduate Medical Education Program (YUFM/UG-ME) and the educational phase relevant to the students. This session orients the students to the program and the phase.

#### **Objectives of the Session:**

1. To provide basic information about the YUFM/UG-ME.
2. To provide basic information about the phase.
3. To provide essential information on social programs and facilities.

#### **Rules of the Session:**

1. The session will be held in two types, conducted by Phase Coordinator and Clerkship Coordinators, respectively.
2. The first type will be held once in the first week of the educational phase. The second type will be held at the beginning of each clerkship.
3. Students should attend the session.

#### **Implementation of the Session:**

In the first type, Phase Coordinator will present brief information on the following topics:

- Organizational Chart of Yeditepe University Faculty of Medicine Undergraduate Medical Education Program (YUFM/UG-ME), Work Descriptions and Introduction of Clerkships Members,
- Directives on YUFM/UG-ME,
- YUFM/UG-ME Program Outcomes
- Learning Objectives of the Phase
- Academic Program of the Phase
- Teaching and Learning Methods
- Learning Environments and Sources/Resources
- Attendance
- Assessment Procedure
- Grade Point Average, Cumulative Grade Point Average (GPA, cGPA) Calculation
- Pass/Fail Conditions
- Feedback of the Previous Year and Program Improvements
- Social Programs and Facilities

In the second type, Clerkship Coordinator will present brief information on the following topics:

- Learning Objectives of the Clerkship
- Academic Program of the Clerkship
- Teaching and Learning Methods
- Learning Environments and Sources/Resources, References
- Attendance
- Assessment Methods and Question Distribution Table
- Clerkship Score Calculation Method
- Pass/Fail Conditions
- Feedback of the Previous Year and Program Improvements
- Social Programs and Facilities

## **Clerkship Evaluation Session**

### **Aim of the Session:**

The aim of the session is to evaluate the clerkship educational program, with all its components, by the students and the clerkship coordinators. This session will contribute to the improvement of the educational program in general by giving the opportunity to identify the strengths of the clerkship educational program and revealing the areas which need improvement.

### **Objectives of the Program Evaluation Session** are to;

- establish a platform for oral feedbacks in addition to the systematically written feedback forms
- give the opportunity to the students and the coordinators to discuss the clerkship period face to face
- allow the students to review the clerkship exam questions together with faculty members.

### **Process:**

The total duration of the session is 90 minutes and the session consists of two parts. The first part (30 minutes) is dedicated to oral feedback by the students. All of the oral feedback will be recorded and reported by the clerkship coordinator. In the second part (60 minutes) clerkship exam questions will be reviewed and discussed by students and faculty.

### **Rules of the Clerkship Evaluation Session :**

1. The **Clerkship Evaluation Session** will be held on the last day of each clerkship after the clerkship exam.
2. Students are required to attend the session.
3. The Clerkship coordinator will lead the session.
4. The faculty members who had contributed questions in the clerkship exam should attend the session.
5. Students must comply with the feedback rules while giving verbal feedback and all participants shall abide by rules of professional ethics.

## **Program Improvement Session**

### **Aim:**

The aim of this session is sharing the program improvements based on the evaluation of the educational program data, with the students and the faculty members.

### **Objectives:**

1. To share the improvements within educational program with the students and the faculty members.
2. To inform the students and the faculty members about the processes of the program improvement
3. To encourage student participation in the program improvement processes.

### **Rules:**

1. Program improvements session will be implemented once a year. The implementation will be performed at the beginning of the spring semester.
2. Students are required to attend the session.
3. The phase coordinator will monitor the session. If necessary the dean, vice deans and heads of the educational boards will attend to the session.
4. All faculty members will be invited to the session.

### **Implementation:**

#### **Before the Session**

1. Phase coordinator will report the results of the improvements of the educational program.
2. The program improvements report has three parts. The first part of the report includes improvements that have been completed, and those that are currently in progress. The second part of the report includes, improvements that are planned in medium term, and the third part of the report includes, improvements that are planned in the long term.
3. The program improvements report also includes the program evaluation data (student feedbacks, faculty feedbacks, results of the educational boards meetings etc.) in use of improvements.

#### **During the Session**

4. The phase coordinator will present the program improvements report to the students and the faculty members.
5. Students can ask questions about, and discuss, the results of the program improvement.

**Process:** The total period of session is 30 minutes and has two parts. The first part (15 minutes) covers, presenting of the program improvement report. The second part (15 minutes) covers, students' questions and discussion.

#### **After the Session**

6. The program improvement brief will be published on the website of Yeditepe University Faculty of Medicine (<http://med.yeditepe.edu.tr>).

## INDEPENDENT LEARNING

### Description:

"Independent learning" is a process, a method and a philosophy of education in which a student acquires knowledge by his or her own efforts and develops the ability for inquiry and critical evaluation. It includes freedom of choice in determining one's learning objectives, within the limits of a given project or program and with the aid of a faculty adviser. It requires freedom of process to carry out the objectives, and it places increased educational responsibility on the student for the achieving of objectives and for the value of the goals (1).

### Aim:

The aim of this instructional strategy is to develop the students' ability, to learn individually, so they are prepared for the classroom lessons, lectures, laboratory experiences and clinical practices, exams, professional life and have the abilities needed for lifelong learning.

### Objectives:

*With this instructional strategy, students will develop;*

- the skills that will help them to learn independently.
- self-discipline in their work habits.
- their evidence based research skills by using reliable resources.
- their teamwork skills by studying together.
- their clinical skills as self-directed working in the clinical skills laboratory.

### Rules:

1. All of the students will define independent learning process according to below algorithm.
2. All of the students will be required to fill out a form, which is a self-assessment form for the independent learning (methodology: timing, sources, strategy, etc.).
3. The students' academic performance and independent learning methodology will be analyzed comparatively, and feed-back on further improvements will be provided.

### What a student should do for learning independently?

1. **Analyzing:** First you will need to analyze carefully, what your problems and weaknesses are. For example, if you are studying anatomy, is your weak area broadly upper limb, lower limb, or what?
2. **Addressing:** Once you've decided your specific problems, you can list them. Which one needs to be addressed urgently? Work out your priorities. Whatever your subject area is, don't be afraid to return to the basics if necessary. It may give you more confidence in the long run to ensure you have a proper understanding of basic concepts and techniques.
3. **Accessing:** If you need reliable information, or if you need to read about a subject and put it into context, a textbook may be the best place to start. However, the Internet may be helpful if you need very up-to-date information, specific facts, or an image or video etc. If you need an academic research article, reports or case studies for your topic, then a database (Pubmed etc.) would be the best option.
4. **Timing:** In the weekly syllabus you will see, a specific time called "independent learning hour" for your independent work. In addition to these hours, the students should also have their own time schedule for their study time at home.
5. **Planning:** Your next step will be to work out a realistic study-plan for your work. What goals could you literally set for yourself? Don't make them too ambitious but set minor goals or targets that you know you will be able to achieve without having to spend a very long time working on them. How many hours will you need to achieve them? How will you know when you've achieved them?
6. **Recording:** When you work independently, it's a good idea to keep a written record of the work you've done. This can help with further planning and also give a sense of achievement as well as provide something to include in a progress file. As time goes by you may surprise yourself with what you've been able to achieve. This could motivate you to keep going, as could increase your confidence, and even improve your results
7. **Reflecting:** Reflecting on what you've done can help you decide whether the activity was really effective, whether an alternative approach might be better on another occasion, whether you spent the right amount of time and whether you have achieved the target you'd set yourself.

8. **Improving:** Once you've achieved the target, the process of planning can start again. Your needs and priorities may have changed, so think about them and then set yourself to another target.

**Reminder:** For further information about the independent learning, please contact the Department of Medical Education.

**Reference:**

1. Candy, P. (1991) Self-direction for lifelong learning: a comprehensive guide to theory and practice. San Francisco: Jossey Bass.

**For further reading useful resources to recommend to students:**

- Burnapp, D. (2009). Getting Ahead as an International Student. London: Open University Press.
- Marshall, L. & Rowland, F. (1998) A Guide to learning independently. London: Open University Press.
- University of Southampton / UKCISA online resource 'Prepare for Success'



**YEDİTEPE UNIVERSITY**  
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**PHASE IV**

**ASSESSMENT PROCEDURES**

Assessment Approaches, assessment methods and assessment tools that used in Phase IV, Clerkship Programs are shown below table.

Assessment Approaches	Assessment Methods	Question Types / Assessment Tools
Knowledge-based Assessment	WE: Written Examination* (Pencil-Paper Tests)	MCQ: Multiple Choice Questions
		EMQ: Extended Matching Questions
		KF: Key Features
		EQ: Essay Questions
		MEQ: Modified Essay Questions
	OE: Oral Exam	
Competency-based Assessment	SOE: Structured Oral Exam	SOE Checklist
	OSCE: Objective Structured Clinical Examination	OSCE Checklist
	SP: Assessment with Simulated Patients	Evaluation Checklist
Performance-based Assessment	PE: Portfolio Evaluation	PE Checklist
	Logbook	
	DOPS: Direct Observation of Procedural Skills	DOPS Rating Scale
	Mini-CEX: Mini Clinical Evaluation Exercise	Mini-CEX Rating Scale
	Evaluation of Case Presentation	With/Without Checklist
	Evaluation of Student's Seminar	With/Without Checklist
	Evaluation of Preparation Skills of the Patient's File	With/Without Checklist
	Global Evaluation of Student's Performance	With/Without Checklist
	Evaluation of Student's Learning Projects	With Rating Scale

\* WEs consists of 50-100 questions.

Detailed Assessment Tables are shown for each clerkship program in related pages of Academic Program Book.

Assessment details also will be announced and explained in the introductory sessions at the beginning of the clerkship

## YEDİTEPE UNIVERSITY FACULTY OF MEDICINE EXAM RULES

**Seating-** Students will be seated by the exam observers or proctors. Students are not allowed to change their seats without permission.

**Electronics** – During examinations or tests, students are prohibited from using electronic devices or any other means of communication and recording that have not been approved beforehand. All electronic devices are prohibited. Anyone who fails to comply with these regulations may be charged with academic fraud.

**Absence** – No additional time will be given to students who are absent for part of the exam, regardless of the reason for their absence.

**Scratch Paper** – Students are not allowed to bring scratch paper into the exam room.

**Meaning of Questions** – Students may not consult the supervisor as to the meaning of any question.

**Sign your sheets** – Students must sign their multiple-choice answer sheets and/or written-answer sheets.

**Other activities requiring disciplinary action-** Students must not give or receive assistance of any kind during the exam. Gaining access to exam questions before the exam; • Using an unauthorized calculator or other mechanical aid that is not permitted. • Looking in the exam book before the signal to begin is given. • Marking or otherwise writing on the exam book or answer sheet before the signal to begin is given. • Making any changes, additions, deletions or other marking, erasing or writing on the exam book or answer sheet after the time for the exam has expired. • Having access to or consulting notes or books during the exam. • Looking at or copying from another student's paper. • Enabling another student to copy from one's paper. • Talking or otherwise communicating with another student during the exam or during the read through period. • Disturbing other students during the exam. • Consulting other persons or resources outside the exam room during the exam. • Copying questions or answers either on paper or with an electronic device to take from the exam room. • Taking an exam book or other exam materials from the exam room. • Taking an exam in place of another student. • Arranging to have another person take an exam for the student. • Threatening or verbally abusing a supervisor or proctor responsible for curbing or reporting improper conduct. • Unprofessional and/or unruly behavior towards any YEDİTEPE University staff, supervisors, proctors, or volunteers at any time during the exam. • Disclosing the contents of an exam to any other person. • Failing to remain in the exam room for a given period of time by the supervisors or proctors. • Failing to follow other exam instructions.

Students who assist in or are complicit with cheating could also be in violation of the Policy. Thus, students who become aware of their peers either facilitating academic misconduct or committing it should report their suspicions to exam or test observers for investigation.

Those students found to have committed academic misconduct will face administrative sanctions imposed by the administration of YEDİTEPE University Faculty of Medicine according to the disciplinary rules and regulations of the Turkish Higher Education Council (YÖK) for students: published in the Official Gazette on August 18th, 2012). The standard administrative sanctions include: the creation of a disciplinary record which will be checked by graduate and professional life, result in grade "F" on the assignment, exams or tests or in the class. Students may face suspension and dismissal from the YEDİTEPE University **for up to one school year**. In addition, student may lose any academic and non academic scholarships given by the YEDİTEPE University **for up to four years**. The appropriate sanctions are determined by the YEDİTEPE University administration according to egregiousness of the Policy violation.

**CLERKSHIP PROGRAMS (41 WEEKS)**

**TRANSITION TO CLINICAL SETTINGS (1 week)**

**INTERNAL MEDICINE (10 weeks)**

**CHILD HEALTH AND PEDIATRICS (10 weeks)**

**GENERAL SURGERY (5 weeks)**

**OBSTETRICS AND GYNECOLOGY (6 weeks)**

**CARDIOLOGY (2 weeks)**

**CARDIOVASCULAR SURGERY (2 weeks)**

**THORACIC SURGERY (1.5 week)**

**PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY (1.5 week)**

**CLINICAL ETHICS (1 week )**

**PUBLIC- HEALTH-EVIDENCE BASED MEDICINE (1 week )**

**YEDİTEPE UNIVERSITY  
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**YEDİTEPE UNIVERSITY  
TRANSITION TO CLINICAL SETTINGS CLERKSHIP**

**Clerkship coordinator: Selami Sözübir MD, Prof.**

**Clerkship co-coordinator: Serdar Özdemir MD, Asist. Prof.**

**Lecturers: Selami Sözübir MD, Prof.**

**Özge Köner MD, Prof.**

**Banu Bıçakçı, Assoc. Prof.**

**Naz Berfu Aktaş MD, Asist. Prof.**

**Oğuzhan Zahmacıoğlu MD, Assist. Prof.**

**Serdar Özdemir, MD, Assist. Prof.**

**Sibel Afacan, Phd.**

**Tayfun Bırakoğlu**

## **AIM AND LEARNING OBJECTIVES OF TRANSITION TO CLINICAL SETTINGS CLERKSHIP**

### **Aim:**

In this clerkship which is first in medical education with multidisciplinary Approach relating to have lectures from different disciplinary groups like other faculties and persons, our students in the 4th phase of the program are aimed to be prepared for the clinical studies and develop their interactive communication with their Patients and also to get their hospital orientation which will result in to protect themselves and Patients regarding to infections, emergency conditions at the hospital and to be aware of international Patients safety rules which are also vital for JCI accredited hospital. In addition to these, students are intended to be brought up to the competency level to learn basic communication skills, leadership knowledge and of course to control their career planning for the future as a medical doctor.

### **Objectives:**

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

#### **Knowledge**

1. explains drug and medicine safety.
2. explains the risks of emergency conditions and knows the protection of these issues.
3. explains and clarifies the communication concept.
4. names and samples the nonverbal communication skills.
5. identify the empathy.
6. explains topographic and conditional memorial conditions and processes.
7. explains ego protection mechanisms.
8. identifies leadership style.
9. defines the correlation between leadership and mission, vision and others.
10. explains and be aware or personal career management development.
11. explains crucial deciding and targeting process.
12. gets connection on personal motivation and proper time using.

#### **Skills**

1. makes a comment on his/her personal and their Patients cognitive process.

#### **Attitudes**

1. values the infection control program.
2. values the the importance of listening person on the communication.
3. values the position of the position leadership of medical doctor between stuff that works.

## ASSESSMENT TABLE FOR TRANSITION TO CLINICAL SETTINGS

*This table shows question types and assessment methods/tools used in training program.*

Question Types (Pencil-Paper Tests)	Proportion (in Pencil-Paper Tests)
Multiple Choice Questions	100%
<b>Total</b>	<b>100%</b>
Other Assessment Methods and Tools	Proportion (in Pass/Fail Decision)
Evaluation of Student's Learning Projects (With Checklist)	70%
<b>Total</b>	<b>70%</b>
Pass/Fail Decision	Proportion (in Pass/Fail Decision)
Pencil-Paper Tests	30%
Other Assessment Methods and Tools	70%
<b>Total</b>	<b>100%</b>

## TRANSITION TO CLINICAL SETTINGS WEEK I / 29 Agu-02 Sep 2016

	Monday 29-Agu-2016	Tuesday 30-Agu-2016	Wednesday 31-Agu-2016	Thursday 1-Sep-2016	Friday 2-Sep-2016
09.00-09.45	<b>Introductory Session</b> Introduction to Clerkship Program, and Diagnostic Assessment <i>Selami Sözübir, S. Özdemir</i> <i>Hall: Faculty of Fine Arts Conference Hall</i>	<b>30th of August Victory Day</b>	<b>Interactive Lecture</b> Verbal Communication and Listening <i>Banu Bıçakçı</i> <i>Hall: Faculty of Fine Arts Conference Hall</i>	<b>Interactive Lecture</b> Introduction to Leadership and Management <i>Özge Köner</i> <i>Hall: Faculty of Fine Arts Conference Hall</i>	<b>İndependent Learning</b> Preparation for the Exam
10.00-10.45	<b>Lecture</b> Quality Improvement and International Patient Safety <i>Selami Sözübir</i>		<b>Discussions (Small Groups)</b> Active Listening <i>B. Bıçakçı, P. Hürmeriç, G. Aydın, F. Tokan, N. Üçer, Ö. Akkaya</i> <i>Clasrooms: 102,103,109,116,117,206</i>	<b>Discussion (Large Group)</b> Leadership and Management <i>Serdar Özdemir</i> <i>Hall: Faculty of Fine Arts Conference Hall</i>	
11.00-11.30	<b>Lecture</b> Infection Control Program <i>Meral Sönmezoğlu,</i>		<b>Lecture</b> Understanding Others <i>Oğuzhan. Zahmacioğlu, Naz Berfu Akbaş</i> <i>Hall: Faculty of Fine Arts Conference Hall</i>	<b>Panel</b> Examples of Careers in Medicine <i>Hall: Faculty of Fine Arts Conference Hall</i>	
11.30-12.00	<b>Lecture</b> Drug Safety <i>Selami Sözübir</i>				
13.00-13.45	<b>Lecture</b> Emergency Management <i>Selami Sözübir,Fadıl Sarıgüllü</i> <i>Hall: Faculty of Fine Arts Conference Hall</i>	<b>30th of August Victory Day</b>	<b>Movie Session</b> <b>Commentary Writing</b> <i>Oğuzhan. Zahmacioğlu, Naz Berfu Akbaş, Serdar Özdemir</i> <i>Hall: GFaculty of Fine Arts Cinema Room</i>	<b>Problem Solving Case Study (Small Groups)</b> Time Management and Motivation <i>Serdar Özdemir, Tayfun Bırakoğlu</i> <i>Hall: Faculty of Fine Arts Conference Hall</i>	<b>Assessment Session</b> Written Exam (MCQ) <i>Hall: Faculty of Fine Arts Conference Hall</i> <i>Serdar Özdemir,Jale Çoban, Vildan Öztürk</i>
14.00-14.45	<b>Interactive Lecture</b> Introduction to Communication & Nonverbal Communication <i>Banu Bıçakçı</i>				<b>Program Evaluation Session</b> Evaluation of the Clerkship Program <i>S. Özdemir, J. Çoban, V. Öztürk</i>
15.00-15.45	<b>Discussions (Small Groups)</b> Non-Verbal Communication <i>B. Bıçakçı, P. Hürmeriç, G. Aydın, F. Tokan, N. Üçer, Ö. Akkaya</i> <i>Clasrooms: 102,103,109,116,117,206</i>		<b>Discussion (Large Group)</b> <i>Oğuzhan. Zahmacioğlu, Naz Berfu Akbaş</i> <i>Serdar Özdemir</i> <i>Hall: GFaculty of Fine Arts Cinema Room</i>		
16.00-17.00	<b>Discussions (Small Groups)</b> Non-Verbal Communication <i>B. Bıçakçı, P. Hürmeriç, G. Aydın, F. Tokan,, N. Üçer, Ö. Akkaya</i> <i>Clasrooms: 102.103.109.116.117.206</i>		<b>Discussions (2 Large Groups - Rol Playing)</b> Understanding Others <i>Naz Berfu Akbaş</i> <i>Oğuzhan. Zahmacioğlu,</i> <i>Clasrooms: 102.103</i>		<b>Reflection Session</b> Explanation of the Learning Project <i>B. Bıçakçı, N. B. Akbaş, T. Bırakoğlu, S. Sözübir, S. Özdemir</i> <i>Hall: Faculty of Fine Arts Conference Hall</i>

**YEDİTEPE UNIVERSITY**  
**FACULTY OF MEDICINE**  
**PHASE IV**

**INTERNAL MEDICINE CLERKSHIP**

**LECTURERS**

<b>DISCIPLINE</b>	<b>FACULTY</b>
ENDOCRINOLOGY	Hasan AYDIN, MD Assoc. Prof.
GASTROENTEROLOGY	Meltem ERGÜN, MD Assoc. Prof.
	Atakan YEŞİL, MD Assoc. Prof.
HEMATOLOGY	Hasan Atilla ÖZKAN, MD Assoc. Prof.
INFECTIOUS DISEASES	Meral SÖNMEZOĞLU, MD Prof.
INTERNAL MEDICINE	Yaşar KÜÇÜKARDALI, MD Prof.
MEDICAL ONCOLOGY	Orhan Önder EREN, MD Assist. Prof.
RESPIRATORY SYSTEM	Sevda ÖZDOĞAN, MD Prof.
NEPHROLOGY	Gülçin KANTARCI, MD Prof.
	The Head of Internal Medicine and Nephrology Department
	Zehra EREN, MD Assoc. Prof.
RHEUMATOLOGY	Müge BIÇAKÇIGİL KALAYCI, MD Assoc. Prof.
HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL (HTRH)	Refik DEMİRTUNÇ, MD Assoc. Prof.
	Funda TÜRKMEN, MD Assoc. Prof.



## AIM AND LEARNING OBJECTIVES OF INTERNAL MEDICINE CLERKSHIP

### AIM

Aim of this clerkship is to;

1. **remind** necessary knowledge, related to body systems, on prevention of clinical conditions' emergence, protection and improvement of health in healthy conditions,
2. at multi-system level or related to a body system, for clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency
  - 2.1. **remind** necessary knowledge on risk factors, etiopathogenesis, physiopathology, and pathology,
  - 2.2. **remind** knowledge on epidemiology,
  - 2.3. **remind** knowledge on frequently encountered clinical complaints, symptoms, signs and findings,
3. **remind** necessary knowledge on health care processes, clinical decision making process, clinical decisions and clinical practices, with performance measures, for managing at the level of primary health care service,
4. **remind** knowledge on pharmacology of drugs that are effective at multi-system level, specifically on a body system or on clinical conditions involving a specific body system,
5. **equip** students **with** necessary knowledge, skills and attitudes required for an appropriate Approach to healthy and sick adults,
6. **convey** necessary knowledge on preventive healthcare measures,
7. **equip** students **with** necessary knowledge, skills and attitudes required to achieve diagnosis and differential diagnosis of adults,
8. **equip** students **with** necessary knowledge, skills and attitudes required to perform primary care prophylaxis and treatment,
9. **equip** students **with** necessary knowledge, skills and attitudes to refer Patient to advanced healthcare units upon indication

## LEARNING OBJECTIVES

*At the end of this clerkship, student should be able to;*

### KNOWLEDGE

- 1.0. **recall** necessary knowledge, related to body systems, on prevention of clinical conditions' emergence, protection and improvement of health in healthy conditions,
- 2.0. at multi-system level or related to a body system, for clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency
  - 2.1. **recall** necessary knowledge on risk factors, etiopathogenesis, physiopathology, and pathology,
  - 2.2. **recall** knowledge on epidemiology,
  - 2.3. **recall** knowledge on frequently encountered clinical complaints, symptoms, signs and findings,
  - 2.4. **recall** necessary knowledge on health care processes, clinical decision making process, clinical decisions and clinical practices, with performance measures, for managing at the level of primary health care service,
  - 2.5. **recall** knowledge on pharmacology of drugs that are effective at multi-system level, specifically on a body system or on clinical conditions involving a specific body system,

### SKILLS

- 3.0. *do* detailed questioning intended to explicate reasons of complaints
- 4.0. *make* Physical Examination including all organ systems
- 5.0. *use* diagnostic methods (*laboratory and imaging techniques, other invasive or non-invasive methods*) correctly and cost-efficiently
- 6.0. *perform* minor medical interventions and applications (*blood collection, i.v. or i.m. injection, catheterization, capillary blood glucose testing, ECG, etc.*)

### ATTITUDES

- 7.0 *show* behaviours and attitudes appropriate for physician
- 8.0 *prefer* evaluation of Patient not only for major complaint but also as a whole
- 9.0 *prefer* detailed Physical Examination to search for main reason of illness
- 10.0 for differential diagnosis
  - 10.1 *value* importance of differential diagnosis based on frequencies and risks of illnesses
  - 10.2. *value* using laboratory and clinical evaluations correctly and cost-efficiently
- 11.0 *order* consultation when needed or mandatory
- 12.0 *organize* appropriate interventions at primary care level, according to evidence based medical practices
- 13.0. *refer* Patient to appropriate center upon indication

## COMPETENCIES

- 14.0. *take* detailed and relevant history of adult Patient by good communication techniques
- 15.0. *perform* complete Physical Examination that includes all of organ systems
- 16.0 for diagnosis
  - 16.1. *order* probable diagnoses
  - 16.2. *make* differential diagnosis
- 17.0. assess results of laboratory or imaging tests (*laboratory and imaging techniques, other invasive or non-invasive methods*)
- 18.0. assess diagnosis, differential diagnosis and emergency treatment requirements and methods
- 19.0 for emergency conditions
  - 19.1. *distinguish* emergency conditions
  - 19.2. *give* emergency treatment
- 20.0. *inform* Patients and Patient's relatives on legal responsibility to take informed consent
- 21.0. *apply* evidence based medicine in internal medicine

**YEDİTEPE UNIVERSITY  
FACULTY OF MEDICINE  
PHASE IV**

**INTERNAL MEDICINE CLERKSHIP  
ASSESSMENT TABLE**

*This table shows question types and assessment methods/tools used in training program.*

<b>Question Types (Pencil-Paper Tests)</b>	<b>Proportion (in Pencil-Paper Tests)</b>
Multiple Choice Questions	36%
Extended Matching Questions	4%
<b>Total</b>	<b>40%</b>
<b>Other Assessment Methods and Tools</b>	<b>Proportion (in Pass/Fail Decision)</b>
Oral Exam (OE)	40%
Mini Clinical Evaluation Exercise (Mini-CEX)	5%
Logbook & Direct Observation of Procedural Skills (DOPS)	15%
Evaluation of Case Presentation (With Checklist)	
Evaluation of Preparation Skills of Patient's File (With Checklist)	
Global Evaluation of Student's Performance (With Checklist)	
<b>Total</b>	<b>60 %</b>
<b>Pass/Fail Decision</b>	<b>Proportion (in Pass/Fail Decision)</b>
Pencil-Paper Tests	40%
Other Assessment Methods and Tools	60%
<b>Total</b>	<b>100 %</b>

### INTERNAL MEDICINE CLERKSHIP PROGRAM Group A WEEK I / 05-09 Sep. 2016

	Monday 05-Sep-2016	Tuesday 06-Sep-2016	Wednesday 07-Sep-2016	Thursday 08-Sep-2016	Friday 09-Sep-2016
08.30- 09:50	Ward Round- HTRH (All Subgroups)	Ward Round- HTRH (All Subgroups)	Ward Round- HTRH (All Subgroups)	Ward Round- HTRH (All Subgroups)	Ward Round- HTRH (All Subgroups)
10.00- 11.50	Clinical Experience (InPatient-HTRH) (All Subgroups)	Clinical Experience (InPatient-HTRH) (All Subgroups)	Clinical Experience (InPatient-HTRH) (All Subgroups)	Clinical Experience (InPatient-HTRH) (All Subgroups)	Clinical Experience (InPatient-HTRH) (All Subgroups)
12.00- 12.50	Lunch	Lunch	Lunch	Lunch	Lunch
13.30- 14.20	<b>Introductory Session</b> Introduction to Internal Medicine Clerkship <i>Müge Bıçakçığıl Kalaycı</i>	<b>Lecture</b> Examination of Respiratory System <i>Emine Sevdâ Özdoğan</i>	<b>Lecture</b> Examination of Extremities <i>Müge Bıçakçığıl Kalaycı</i>	<b>Lecture</b> Asthma <i>Emine Sevdâ Özdoğan</i>	<b>Lecture</b> Evidence Based Approach to Genitourinary Tract Infections <i>Meral Sönmezoğlu</i>
	<b>Lecture</b> Taking History <i>Yaşar Küçükardalı</i>				
14.30- 15.20	<b>Lecture</b> Examination of Head and Neck <i>Yaşar Küçükardalı</i>	<b>Lecture</b> Examination of the Abdomen <i>Meltem Ergün</i>	<b>Lecture</b> Examination of Extremities <i>Müge Bıçakçığıl Kalaycı</i>	<b>Lecture</b> Chronic Obstructive Lung Disease and Corpulmonale <i>Emine Sevdâ Özdoğan</i>	<b>Lecture</b> Fever of Unknown Origin <i>Meral Sönmezoğlu</i>
15.30- 17.30	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

**WEEK II / 12-16 Sep. 2016**

	<b>Monday 12-Sep-2016</b>	<b>Tuesday 13-Sep-2016</b>	<b>Wednesday 14-Sep-2016</b>	<b>Thursday 15-Sep-2016</b>	<b>Friday 16-Sep-2016</b>
<b>08.30- 09:50</b>	<b>Religious Holiday</b>				<b>Independent Learning</b>
<b>10.00- 11.50</b>					
<b>12.00- 12.50</b>					
<b>13.30- 14.20</b>					
<b>14.30- 15.20</b>					
<b>15.30- 17.30</b>					

### WEEK III / 19-23 Sep.2016

	Monday 19-Sep-2016	Tuesday 20-Sep-2016	Wednesday 21-Sep-2016	Thursday 22-Sep-2016	Friday 23-Sep-2016
08.30- 09:50	Ward Round -HTRH (All Subgroups)	Ward Round- HTRH (All Subgroups)	Ward Round- HTRH (All Subgroups)	Ward Round- HTRH (All Subgroups)	Ward Round- HTRH (All Subgroups)
10.00- 11.50	Clinical Experience (InPatient-HTRH) (All Subgroups)	Clinical Experience (InPatient-HTRH) (All Subgroups)	Clinical Experience (InPatient-HTRH) (All Subgroups)	Clinical Experience (InPatient-HTRH) (All Subgroups)	Clinical Experience (InPatient-HTRH) (All Subgroups)
12.00- 12.50	Lunch	Lunch	Lunch	Lunch	Lunch
13.30- 14.20	Lecture Evidence Based Approach to Pneumonia <i>Emine Sevda Özdoğan</i>	Lecture Approach to the Patient with Electrolyte Disorders <i>Zehra Eren</i>	Lecture Tuberculosis <i>Emine Sevda Özdoğan</i>	Lecture Hyperthyroidism <i>Hasan Aydın</i>	Lecture Acute Respiratory Distress Syndrome <i>Yaşar Küçükardalı</i>
14.30- 15.20	Lecture Evidence Based Approach to the Patient with Hypertensive Disorders <i>Gülçin Kantarcı</i>	Lecture Approach to the Patient with Electrolyte Disorders <i>Zehra Eren</i>	Lecture Hypertensive Disorders in Pregnancy <i>Zehra Eren</i>	Lecture Hypothyroidism <i>Hasan Aydın</i>	Lecture Goiter and Thyroid Cancer <i>Hasan Aydın</i>
15.30- 16.20	Lecture Evidence Based Approach to the Patient with Hypertensive Disorders <i>Gülçin Kantarcı</i>	Clinical Skills Learning YUH (Physical Examination)	Clinical Skills Learning YUH (Physical Examination)	Clinical Skills Learning YUH (Physical Examination)	Clinical Skills Learning YUH (Physical Examination)
1630-17.30	Independent Learning				

**WEEK IV / 26-30 Sep. 2016**

	<b>Monday 26-Sep-2016</b>	<b>Tuesday 27-Sep-2016</b>	<b>Wednesday 28-Sep-2016</b>	<b>Thursday 29-Sep-2016</b>	<b>Friday 30-Sep-2016</b>
<b>08.30- 09:50</b>	<b>Ward Round- HTRH</b> (All Subgroups)	<b>Ward Round- HTRH</b> (All Subgroups)	<b>Ward Round- HTRH</b> (All Subgroups)	<b>Ward Round- HTRH</b> (All Subgroups)	<b>Ward Round- HTRH</b> (All Subgroups)
<b>10.00- 11.50</b>	<b>Clinical Experience (InPatient-HTRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient-HTRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient-HTRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient-HTRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient-HTRH)</b> (All Subgroups)
<b>12.00- 12.50</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
<b>13.30- 14.20</b>	<b>Lecture</b> Pulmonary Thromboembolism <i>Emine Sevdâ Özdoğan</i>	<b>Lecture</b> Non-Cardiac Causes of Chest Pain <i>Yaşar Küçükardalı</i>	<b>Lecture</b> Cirrhosis and Hepatic Coma <i>Atakan Yeşil</i>	<b>Lecture</b> Foreign Body of GIS <i>Meltem Ergün</i>	<b>Lecture</b> Approach to the Patient with Acute Arthritis (Mono-oligo and Polyarthritis) <i>Müge Bıçakçıgil Kalaycı</i>
<b>14.30- 15.20</b>	<b>Lecture</b> Disorders of Pleura, Mediastinum, Diaphragm <i>Emine Sevdâ Özdoğan</i>	<b>Lecture</b> Environmental Lung Diseases <i>Emine Sevdâ Özdoğan</i>	<b>Lecture</b> Constipation <i>Atakan Yeşil</i>	<b>Lecture</b> Ascites <i>Meltem Ergün</i>	<b>Lecture</b> Evidence Based Approach to the Patients with Anemia <i>Hasan Atilla Özkan</i>
<b>15.30- 17.30</b>	<b>Clinical Skills Learning YUH</b> (Physical Examination)	<b>Clinical Skills Learning YUH</b> (Physical Examination)	<b>Clinical Skills Learning YUH</b> (Physical Examination)	<b>Clinical Skills Learning YUH</b> (Physical Examination)	<b>Clinical Skills Learning YUH</b> (Physical Examination)



**WEEK V / 03-07 Oct. 2016**

	Monday 03-Oct-2016			Tuesday 04- Oct-2016			Wednesday 05-Oct-2016			Thursday 06-Oct-2016			Friday 07-Oct-2016		
08.30- 09:50	Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)		
	Subgroup A1 Common OutPatient Clinic	Subgroup A2 Emergency Care Service	Subgroup A3 Clinical Experience InPatient	Subgroup A1 Common OutPatient Clinic	Subgroup A2 Emergency Care service	Subgroup A3 Clinical Experience InPatient	Subgroup A1 Common OutPatient Clinic	Subgroup A2 Emergency Care Service	Subgroup A3 Clinical Experience InPatient	Subgroup A1 Common OutPatient Clinic	Subgroup A2 Emergency Care Service	Subgroup A3 Clinical Experience InPatient	Subgroup A1 Common OutPatient Clinic	Subgroup A2 Emergency Care Service	Subgroup A3 Clinical Experience InPatient
12.00- 12.50	Lunch			Lunch			Lunch			Lunch			Lunch		
13.30- 14.20	Lecture Approach to the Patient with Glomerular Diseases <i>Gülçin Kantarcı</i>			Lecture Approach to the Patient with Dyspepsia <i>Atakan Yeşil</i>			Lecture Approach to the Patients with Increased Blood Counts <i>Hasan Atilla Özkan</i>			Lecture Liver Enzyme Disorder <i>Meltem Ergün</i>			Lecture Evidence based Approach to the Patient with Acute Kidney Injury <i>Gülçin Kantarcı</i>		
14.30- 15.20	Lecture Approach to the Patient with Glomerular Diseases <i>Gülçin Kantarcı</i>			Lecture Diarrhea <i>Atakan Yeşil</i>			Lecture Splenomegaly and Lymphadenopathies <i>Hasan Atlla Özkan</i>			Lecture Chronic Hepatitis <i>Meltem Ergün</i>			Lecture Evidence based Approach to the Patient with Acute Kidney Injury <i>Gülçin Kantarcı</i>		
15.30- 16.20	Lecture Approach to the Patient with Hemoragic Diathesis <i>Hasan Atilla Özkan</i>			Clinical Skills Learning YUH (History Taking)			Clinical Skills Learning YUH (History Taking)			Clinical Skills Learning YUH (History Taking)			Lecture Approach to the Patients with Cytopenia <i>Hasan Atilla Özkan</i>		
16.20-17.30	Independent Learning												Independent Learning		

**WEEK VI / 10-14 Oct. 2016**

	Monday 10-Oct-2016			Tuesday 11-Oct-2016			Wednesday 12-Oct-2016			Thursday 13-Oct t-2016			Friday 14-Oct-2016		
08.30- 09:50	Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)		
10.00- 11.50	Subgroup A1 Common OutPatient Clinic	Subgroup A2 Clinical Experience InPatient	Subgroup A3 Emergency Care Service	Subgroup A1 Common OutPatient Clinic	Subgroup A2 Clinical Experience InPatient	Subgroup A3 Emergency Care Service	Subgroup A1 Common OutPatient Clinic	Subgroup A2 Clinical Experience InPatient	Subgroup A3 Emergency Care Service	Subgroup A1 Common OutPatient Clinic	Subgroup A2 Clinical Experience InPatient	Subgroup A3 Emergency Care Service	Subgroup A1 Common OutPatient Clinic	Subgroup A2 Clinical Experience InPatient	Subgroup A3 Emergency Care Service
12.00- 12.50	Lunch			Lunch			Lunch			Lunch			Lunch		
13.30- 14.20	Lecture Approach to the Patient with Chronic Arthritis <i>Müge Bıçakçıgil Kalaycı</i>			Lecture Management of Hyperlipidemia <i>Yaşar Küçükardalı</i>			Lecture Introduction to Clinical Oncology <i>Orhan Önder Eren</i>			Lecture Dysphagia <i>Meltem Ergün</i>			Lecture Approach to the Patient with Acid-Base Disorders <i>Zehra Eren</i>		
14.30- 15.20	Lecture Approach to Abdominal Pain <i>Yaşar Küçükardalı</i>			Lecture Approach to the Patient with Connective Tissue Diseases <i>Müge Bıçakçıgil Kalaycı</i>			Lecture Screening and Early Diagnosis in Oncology <i>Orhan Önder Eren</i>			Lecture Gastrointestinal Bleeding <i>Atakan Yeşil</i>			Lecture Approach to the Patient with Acid-Base Disorders <i>Zehra Eren</i>		
15.30- 16.20	Lecture Colorectal Cancer <i>Orhan Önder Eren</i>			Clinical Skills Learning YUH (History Taking)			Clinical Skills Learning YUH (History Taking)			Clinical Skills Learning YUH (History Taking)			Lecture Diagnosis and Management of Hypercoagulopathy <i>Hasan Atilla Özkan</i>		
16.20-17.30	Independent Learning												Independent Learning		

**WEEK VII / 17-21 Oct. 2016**

	Monday 17-Oct-2016			Tuesday 18-Oct-2016			Wednesday 19-Oct-2016			Thursday 20-Oct-2016			Friday 21-Oct-2016		
08.30- 09:50	Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)		
10.00- 11.50	Subgroup A1 Clinical Experience InPatient	Subgroup A2 Common OutPatient Clinic	Subgroup A3 Clinical Experience InPatient	Subgroup A1 Clinical Experience InPatient	Subgroup A2 Common OutPatient Clinic	Subgroup A3 Clinical Experience InPatient	Subgroup A1 Clinical Experience InPatient	Subgroup A2 Common OutPatient Clinic	Subgroup A3 Clinical Experience InPatient	Subgroup A1 Clinical Experience InPatient	Subgroup A2 Common OutPatient Clinic	Subgroup A3 Clinical Experience InPatient	Subgroup A1 Clinical Experience InPatient	Subgroup A2 Common OutPatient Clinic	Subgroup A3 Clinical Experience InPatient
12.00- 12.50	Lunch			Lunch			Lunch			Lunch			Lunch		
13.30- 14.20	Lecture Approach to the Patient with Vasculitis <i>Müge Bıçakçığıl Kalaycı</i>			Lecture Acute Complications of Diabetes Mellitus <i>Hasan Aydın</i>			Lecture Treatment of Diabetes Mellitus <i>Hasan Aydın</i>			Lecture Sepsis and Septic Shock <i>Yaşar Küçükardalı</i>			Lecture Hypoparathyroidism <i>Hasan Aydın</i>		
14.30- 15.20	Lecture Drug Interaction <i>Yaşar Küçükardalı</i>			Lecture Chronic Complications of Diabetes Mellitus <i>Hasan Aydın</i>			Lecture Metabolic Bone Disease <i>Hasan Aydın</i>			Lecture Evidence Based Therapeutic Approach to AIDS and Related Opportunistic Disorders <i>Meral Sönmezoğlu</i>			Lecture Hyperparathyroidism <i>Hasan Aydın</i>		
15.30- 17.30	Discussion Small Group YUH			Discussion Small Group YUH			Discussion Small Group YUH			Discussion Small Group YUH			Discussion Small Group YUH		

**WEEK VIII / 24-28 Oct. 2016**

	<b>Monday 24-Oct-2016</b>	<b>Tuesday 25-Oct-2016</b>	<b>Wednesday 26-Oct-2016</b>	<b>Thursday 27-Oct-2016</b>	<b>Friday 28-Oct-2016</b>
<b>08.30- 09:50</b>	<b>Ward Round- HTRH (All Subgroups)</b>	<b>Ward Round- HTRH (All Subgroups)</b>	<b>Ward Round- HTRH (All Subgroups)</b>	<b>Ward Round- HTRH (All Subgroups)</b>	<b>Ward Round- HTRH (All Subgroups)</b>
<b>10.00- 11.50</b>	Subgroup A1 Clinical Experience InPatient	Subgroup A1 Clinical Experience InPatient	Subgroup A1 Clinical Experience InPatient	Subgroup A1 Clinical Experience InPatient	Subgroup A1 Clinical Experience InPatient
	Subgroup A2 Common OutPatient Clinic	Subgroup A2 Common OutPatient Clinic	Subgroup A2 Common OutPatient Clinic	Subgroup A2 Common OutPatient Clinic	Subgroup A2 Common OutPatient Clinic
	Subgroup A3 Clinical Experience InPatient	Subgroup A3 Clinical Experience InPatient	Subgroup A3 Clinical Experience InPatient	Subgroup A3 Clinical Experience InPatient	Subgroup A3 Clinical Experience InPatient
<b>12.00- 12.50</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
<b>13.30- 14.20</b>	<b>Lecture</b> Infectious Diseases Emergencies <i>Meral Sönmezoğlu</i>	<b>Lecture</b> Metabolic Syndrome <i>Hasan Aydın</i>	<b>Lecture</b> Approach to Elderly Patients <i>Yaşar Küçükardalı</i>	<b>Lecture</b> Evidence Based Approach to the Patient with Chronic Kidney Disease <i>Gülçin Kantarcı</i>	<b>National Holiday</b>
<b>14.30- 15.20</b>	<b>Lecture</b> Infectious Diseases Emergencies <i>Meral Sönmezoğlu</i>	<b>Lecture</b> Endocrine Hypertension <i>Hasan Aydın</i>	<b>Lecture</b> Approach to Elderly Patients <i>Yaşar Küçükardalı</i>	<b>Lecture</b> Evidence Based Approach to the Patient with Chronic Kidney Disease <i>Gülçin Kantarcı</i>	
<b>15.30- 17.30</b>	<b>Discussion Small Group YUH</b>	<b>Discussion Small Group YUH</b>	<b>Discussion Small Group YUH</b>	<b>Discussion Small Group YUH</b>	

**WEEK IX / 31 Oct-05 Nov. 2016**

	<b>Monday 31-Oct-2016</b>	<b>Tuesday 01-Nov-2016</b>	<b>Wednesday 02-Nov-2016</b>	<b>Thursday 04-Nov-2016</b>	<b>Friday 05-Nov-2016</b>
<b>08.30- 09:50</b>	<b>Ward Round- HTRH</b> (All Subgroups)	<b>Ward Round- HTRH</b> (All Subgroups)	<b>Ward Round- HTRH</b> (All Subgroups)	<b>Ward Round- HTRH</b> (All Subgroups)	<b>Ward Round- HTRH</b> (All Subgroups)
<b>10.00- 11.50</b>	Subgroup A1 Emergency Care Service Subgroup A2 Clinical Experience InPatient Subgroup A3 Common OutPatient Clinic	Subgroup A1 Emergency Care Service Subgroup A2 Clinical Experience InPatient Subgroup A3 Common OutPatient Clinic	Subgroup A1 Emergency Care Service Subgroup A2 Clinical Experience InPatient Subgroup A3 Common OutPatient Clinic	Subgroup A1 Emergency Care Service Subgroup A2 Clinical Experience InPatient Subgroup A3 Common OutPatient Clinic	Subgroup A2 Clinical Experience InPatient Subgroup A3 Common OutPatient Clinic Subgroup A3 Common OutPatient Clinic
<b>12.00- 12.50</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
<b>13.30- 14.20</b>	<b>Lecture</b> Cushing's Syndrome <i>Hasan Aydın</i>	<b>Lecture</b> Approach to the Patients with Lymphoproliferative Disorders <i>Hasan Atilla Özkan</i>	<b>Lecture</b> Adrenal Insufficiency <i>Hasan Aydın</i>	<b>Lecture</b> Lung Cancer <i>Orhan Önder Eren</i>	<b>Lecture</b> Transfusion Indications and Reactions <i>Meral Sönmezoğlu</i>
<b>14.30- 15.20</b>	<b>Lecture</b> Oncologic Emergencies <i>Orhan Önder Eren</i>	<b>Lecture</b> Principles of Chemotherapy and Complications <i>Orhan Önder Eren</i>	<b>Lecture</b> Stem Cell Transplantation <i>Hasan Atilla Özkan</i>	<b>Lecture</b> Breast Cancer <i>Orhan Önder Eren</i>	<b>Lecture</b> Cardiopulmonary Resuscitation <i>Yaşar Küçükardalı</i>
<b>15.30- 16.20</b>	<b>Lecture</b> Hospital Infections <i>Meral Sönmezoğlu</i>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Lecture</b> Management of Cancer Pain <i>Orhan Önder Eren</i>
<b>16.20-17.30</b>	<b>Independent Learning</b>				<b>Independent Learning</b>

**WEEK X / 07- 11 Nov. 2016**

	<b>Monday 07-Nov-2016</b>	<b>Tuesday 08- Nov-2016</b>	<b>Wednesday 09- Nov-2016</b>	<b>Thursday 10- Nov-2016</b>	<b>Friday 11- Nov-2016</b>
<b>09.00- 12.00</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Assessment Session (Written Exam)</b>	<b>Commemoration of Atatürk</b>	<b>Assessment Session (Final Exam)</b>
<b>13.00- 14.00</b>			<b>Program Evaluation Session</b> Review of the Exam Questions, Evaluation of the Clearship Program		
<b>14.00-17.30</b>			<b>Independent Learning</b>		

# INTERNAL MEDICINE CLERKSHIP PROGRAM-GROUP B 28.11.2016 - 03.02.2017

## WEEK I / 28-Nov-02-Dec. 2016

	Monday 28-Nov-2016	Tuesday 29-Nov-2016	Wednesday 30-Nov-2016	Thursday 01-Dec-2016	Friday 02-Dec-2016
08.30- 09:50	Ward Round- HTRH (All Subgroups)	Ward Round- HTRH (All Subgroups)	Ward Round- HTRH (All Subgroups)	Ward Round- HTRH (All Subgroups)	Ward Round- HTRH (All Subgroups)
10.00- 11.50	Clinical Experience (InPatient-HTRH) (All Subgroups)	Clinical Experience (InPatient-HTRH) (All Subgroups)	Clinical Experience (InPatient-HTRH) (All Subgroups)	Clinical Experience (InPatient-HTRH) (All Subgroups)	Clinical Experience (InPatient-HTRH) (All Subgroups)
12.00- 12.50	Lunch	Lunch	Lunch	Lunch	Lunch
13.30- 14.20	<b>Introductory Session</b> Introduction to Internal Medicine Clerkship (13.30-13.40) <i>Müge Bıçakçigil Kalaycı</i>	<b>Lecture</b> Examination of Respiratory System <i>Emine Sevda Özdoğan</i>	<b>Lecture</b> Examination of Extremities <i>Müge Bıçakçigil Kalaycı</i>	<b>Lecture</b> Asthma <i>Emine Sevda Özdoğan</i>	<b>Lecture</b> Evidence Based Approach to Genitourinary Tract Infections <i>Meral Sönmezoğlu</i>
	<b>Lecture</b> (13.40-14.20) Taking History <i>Yaşar Küçükardalı</i>				
14.30- 15.20	<b>Lecture</b> Examination of Head and Neck <i>Yaşar Küçükardalı</i>	<b>Lecture</b> Examination of the Abdomen <i>Meltem Ergün</i>	<b>Lecture</b> Examination of Extremities <i>Müge Bıçakçigil Kalaycı</i>	<b>Lecture</b> Chronic Obstructive Lung Disease and Cor pulmonale <i>Emine Sevda Özdoğan</i>	<b>Lecture</b> Fever of Unknown Origin <i>Meral Sönmezoğlu</i>
15.30- 17.30	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

**WEEK II / 05-09 Dec. 2016**

	<b>Monday 05-Dec-2016</b>	<b>Tuesday 06-Dec-2016</b>	<b>Wednesday 07-Dec-2016</b>	<b>Thursday 08-Dec-2016</b>	<b>Friday 09-Dec-2016</b>
<b>08.30- 09.50</b>	<b>Ward Round- HTRH</b> (All Subgroups)	<b>Ward Round- HTRH</b> (All Subgroups)	<b>Ward Round- HTRH</b> (All Subgroups)	<b>Ward Round- HTRH</b> (All Subgroups)	<b>Ward Round- HTRH</b> (All Subgroups)
<b>10.00- 11.50</b>	<b>Clinical Experience (InPatient-HTRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- HTRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient HTRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient HTRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- HTRH)</b> (All Subgroups)
<b>12.00- 12.50</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
<b>13.30- 14.20</b>	<b>Lecture</b> Evidence Based Approach to Pneumonia <i>Emine Sevda Özdoğan</i>	<b>Lecture</b> Evidence based Approach to the Patient with Hypertensive Disorders <i>Gülçin Kantarcı</i>	<b>Lecture</b> Approach to the Patient with Electrolyte Disorders <i>Zehra Eren</i>	<b>Lecture</b> Hyperthyroidism <i>Hasan Aydın</i>	<b>Lecture</b> Acute Respiratory Distress Syndrome <i>Yaşar Küçükardalı</i>
<b>14.30- 15.20</b>	<b>Lecture</b> Tuberculosis <i>Emine Sevda Özdoğan</i>	<b>Lecture</b> Evidence Based Approach to the Patient with Hypertensive Disorders <i>Gülçin Kantarcı</i>	<b>Lecture</b> Approach to the Patient with Electrolyte Disorders <i>Zehra Eren</i>	<b>Lecture</b> Hypothyroidism <i>Hasan Aydın</i>	<b>Lecture</b> Approach to the Patient with Acute Arthritis (Mono-oligo and Polyarthritis) <i>Müge Bıçakçıgil Kalaycı</i>
<b>15.30- 16.20</b>	<b>Clinical Skills Learning YUH</b> (Physical Examination)	<b>Clinical Skills Learning YUH</b> (Physical Examination)	<b>Clinical Skills Learning YUH</b> (Physical Examination)	<b>Clinical Skills Learning YUH</b> (Physical Examination)	<b>Clinical Skills Learning YUH</b> (Physical Examination)
<b>16.30-17.30</b>					



**WEEK III / 12-16 Dec. 2016**

	<b>Monday 12-Dec-2016</b>	<b>Tuesday 13-Dec-2016</b>	<b>Wednesday 14-Dec- 2016</b>	<b>Thursday 15-Dec-2016</b>	<b>Friday 16-Dec-2016</b>
<b>08.30- 09:50</b>	<b>Ward Round- HTRH</b> (All Subgroups)	<b>Ward Round- HTRH</b> (All Subgroups)	<b>Ward Round- HTRH</b> (All Subgroups)	<b>Ward Round- HTRH</b> (All Subgroups)	<b>Ward Round- HTRH</b> (All Subgroups)
<b>10.00- 11.50</b>	<b>Clinical Experience (InPatient- HTRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- HTRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- HTRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- HTRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- HTRH)</b> (All Subgroups)
<b>12.00- 12.50</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
<b>13.30- 14.20</b>	<b>Lecture</b> Pulmonary Thromboembolism <i>Emine Sevdâ Özdoğan</i>	<b>Lecture</b> Goiter and Thyroid Cancer <i>Hasan Aydın</i>	<b>Lecture</b> Evidence based Approach to the Patients with Anemia <i>Hasan Atilla Özkan</i>	<b>Lecture</b> Approach to the Patient with Chronic Arthritis <i>Müge Bıçakçığıl Kalaycı</i>	<b>Lecture</b> Management of Hyperlipidemia <i>Yaşar Küçükardalı</i>
<b>14.30- 15.20</b>	<b>Lecture</b> Disorders of Pleura, Mediastinum, Diaphragm <i>Emine Sevdâ Özdoğan</i>	<b>Lecture</b> Environmental Lung Diseases <i>Emine Sevdâ Özdoğan</i>	<b>Lecture</b> Approach to the Patients with Increased Blood Counts <i>Hasan Atilla Özkan</i>	<b>Lecture</b> Approach to Abdominal Pain <i>Yaşar Küçükardalı</i>	<b>Lecture</b> Non-Cardiac Causes of Chest Pain <i>Yaşar Küçükardalı</i>
<b>15.30- 16.20</b>	<b>Clinical Skills Learning YUH</b> (History Taking)	<b>Clinical Skills Learning YUH</b> (History Taking)	<b>Clinical Skills Learning YUH</b> (History Taking)	<b>Clinical Skills Learning YUH</b> (History Taking)	<b>Clinical Skills Learning YUH</b> (History Taking)
<b>16.30-17.30</b>					

**WEEK IV / 19- 23 Dec. 2016**

	Monday 19-Dec-2016			Tuesday 20-Dec-2016			Wednesday 21-Dec-2016			Thursday 22-Dec-2016			Friday 23-Dec-2016		
08.30- 09:50	Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)		
10.00- 11.50	Subgroup B1 Common OutPatient Clinic	Subgroup B2 Emergency Care Service	Subgroup B3 Clinical Experience InPatient	Subgroup B1 Common OutPatient Clinic	Subgroup B2 Emergency Care Service	Subgroup B3 Clinical Experience InPatient	Subgroup B1 Common OutPatient Clinic	Subgroup B2 Emergency Care Service	Subgroup B3 Clinical Experience InPatient	Subgroup B1 Common OutPatient Clinic	Subgroup B2 Emergency Care Service	Subgroup B3 Clinical Experience InPatient	Subgroup B1 Common OutPatient Clinic	Subgroup B2 Emergency Care Service	Subgroup B3 Clinical Experience InPatient
12.00- 12.50															
13.30- 14.20															
14.30- 15.20															
15.30- 17.30															
	Lunch			Lunch			Lunch			Lunch			Lunch		
	Lecture Approach to the Patient with Glomerular Diseases <i>Gülçin Kantarcı</i>			Lecture Approach to the Patient with Dyspepsia <i>Atakan Yeşil</i>			Lecture Foreign Body of GIS <i>Meltem Ergün</i>			Lecture Liver Enzyme Disorder <i>Meltem Ergün</i>			Lecture Cirrhosis and Hepatic Coma <i>Atakan Yeşil</i>		
	Lecture Approach to the Patient with Glomerular Diseases <i>Gülçin Kantarcı</i>			Lecture Diarrhea <i>Atakan Yeşil</i>			Lecture Ascites <i>Meltem Ergün</i>			Lecture Chronic Hepatitis <i>Meltem Ergün</i>			Lecture Constipation <i>Atakan Yeşil</i>		
	Clinical Skills Learning YUH (History Taking)			Clinical Skills Learning YUH (History Taking)			Clinical Skills Learning YUH (History Taking)			Clinical Skills Learning YUH (History Taking)			Clinical Skills Learning YUH (History Taking)		

**WEEK V / 26- 30 Dec. 2016**

	<b>Monday 26-Dec-2016</b>	<b>Tuesday 27-Dec-2016</b>	<b>Wednesday 28-Dec-2016</b>	<b>Thursday 29-Dec-2016</b>	<b>Friday 30-Dec-2016</b>
<b>08.30- 09:50</b>	<b>Ward Round- HTRH</b> (All Subgroups)	<b>Ward Round- HTRH</b> (All Subgroups)	<b>Ward Round- HTRH</b> (All Subgroups)	<b>Ward Round- HTRH</b> (All Subgroups)	<b>Ward Round- HTRH</b> (All Subgroups)
<b>10.00- 11.50</b>	Subgroup B1 Common OutPatient Clinic Subgroup B2 Clinical Experience InPatient Subgroup B3 Emergency Care Service	Subgroup B1 Common OutPatient Clinic Subgroup B2 Clinical Experience InPatient Subgroup B3 Emergency Care Service	Subgroup B1 Common OutPatient Clinic Subgroup B2 Clinical Experience InPatient Subgroup B3 Emergency Care Service	Subgroup B1 Common OutPatient Clinic Subgroup B2 Clinical Experience InPatient Subgroup B3 Emergency Care Service	Subgroup B1 Common OutPatient Clinic Subgroup B2 Clinical Experience InPatient Subgroup B3 Emergency Care Service
<b>12.00- 12.50</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
<b>13.30- 14.20</b>	<b>Lecture</b> Dysphagia <i>Meltem Ergün</i>	<b>Lecture</b> Approach to the Patient with Acid-Base Disorders <i>Zehra Eren</i>	<b>Lecture</b> Splenomegaly and Lymphadenopathies <i>Hasan Atilla Özkan</i>	<b>Lecture</b> Approach to the Patient with Connective Tissue Diseases <i>Müge Bıçakçigil Kalaycı</i>	<b>Lecture</b> Metabolic Bone Disease <i>Hasan Aydın</i>
<b>14.30- 15.20</b>	<b>Lecture</b> Gastrointestinal Bleeding <i>Atakan Yeşil</i>	<b>Lecture</b> Approach to the Patient with Acid-Base Disorders <i>Zehra Eren</i>	<b>Lecture</b> Approach to the Patients with Cytopenia <i>Hasan Atilla Özkan</i>	<b>Lecture</b> Hypertensive Disorders in Pregnancy <i>Zehra Eren</i>	<b>Lecture</b> Adrenal Insufficiency <i>Hasan Aydın</i>
<b>15.30- 17.30</b>	<b>Discussion Small Group</b> YUH	<b>Discussion Small Group</b> YUH	<b>Discussion Small Group</b> YUH	<b>Discussion Small Group</b> YUH	<b>Discussion Small Group</b> YUH

**WEEK VI / 02-06 Jan. 2017**

	Monday 02-Jan-2017			Tuesday 03-Jan-2017			Wednesday 04-Jan-2017			Thursday 05-Jan-2017			Friday 06-Jan-2017		
08.30- 09:50	Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)		
10.00- 11.50	Subgroup B1 Clinical Experience InPatient	Subgroup B2 Common OutPatient Clinic	Subgroup B3 Clinical Experience InPatient	Subgroup B1 Clinical Experience InPatient	Subgroup B2 Common OutPatient Clinic	Subgroup B3 Clinical Experience InPatient	Subgroup B1 Clinical Experience InPatient	Subgroup B2 Common OutPatient Clinic	Subgroup B3 Clinical Experience InPatient	Subgroup B1 Clinical Experience InPatient	Subgroup B2 Common OutPatient Clinic	Subgroup B3 Clinical Experience InPatient	Subgroup B1 Clinical Experience InPatient	Subgroup B2 Common OutPatient Clinic	Subgroup B3 Clinical Experience InPatient
12.00- 12.50	Lunch			Lunch			Lunch			Lunch			Lunch		
13.30- 14.20	Lecture Approach to the Patient with Vasculitis <i>Müge Bıçakçigil Kalaycı</i>			Lecture Acute Complications of Diabetes Mellitus <i>Hasan Aydın</i>			Lecture Evidence Based Approach to Treatment of Diabetes Mellitus <i>Hasan Aydın</i>			Lecture Sepsis ve Septic Shock <i>Yaşar Küçükardalı</i>			Lecture Evidence Based Approach to the Patient with Acute Kidney Injury <i>Gülçin Kantarcı</i>		
14.30- 15.20	Lecture Drug Interaction <i>Yaşar Küçükardalı</i>			Lecture Chronic Complications of Diabetes Mellitus <i>Hasan Aydın</i>			Lecture Approach to the Patients with Lymphoproliferative Disorders <i>Hasan Atilla Özkan</i>			Lecture Evidence Based Therapeutic Approach to AIDS and Related Opportunistic Disorders <i>Meral Sönmezoğlu</i>			Lecture Evidence Based Approach to the Patient with Acute Kidney Injury <i>Gülçin Kantarcı</i>		
15.30- 17.30	Discussion Small Group YUH			Discussion Small Group YUH			Discussion Small Group YUH			Discussion Small Group YUH			Discussion Small Group YUH		

**WEEK VII / 09-13-Jan-2017**

	Monday 09-Jan-2017			Tuesday 10-Jan-2017			Wednesday 11-Jan-2017			Thursday 12-Jan-2017			Friday 13-Jan-2017		
08.30- 09:50	Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)		
10.00- 11.50	Subgroup B1 Clinical Experience InPatient	Subgroup B2Common OutPatient Clinic	Subgroup B3 Clinical Experience InPatient	Subgroup B1 Clinical Experience InPatient	Subgroup B2 Common OutPatient Clinic	Subgroup B3 Clinical Experience InPatient	Subgroup B1 Clinical Experience InPatient	Subgroup B2 Common OutPatient Clinic	Subgroup B3 Clinical Experience InPatient	Subgroup B1 Clinical Experience InPatient	Subgroup B2 Common OutPatient Clinic	Subgroup B3 Clinical Experience InPatient	Subgroup B1 Clinical Experience InPatient	Subgroup B2 Common OutPatient Clinic	Subgroup B3 Clinical Experience InPatient
12.00- 12.50	Lunch			Lunch			Lunch			Lunch			Lunch		
13.30- 14.20	Lecture Infectious Diseases Emergencies <i>Meral Sönmezoğlu</i>			Lecture Hypoparathyroidism <i>Hasan Aydın</i>			Lecture Introduction to Clinical Oncology <i>Orhan Önder Eren</i>			Lecture Evidence Based Approach to the Patient with Chronic Kidney Disease <i>Gülçin Kantarcı</i>			Lecture Metabolic Syndrome <i>Hasan Aydın</i>		
14.30- 15.20	Lecture Infectious Diseases Emergencies <i>Meral Sönmezoğlu</i>			Lecture Hyperparathyroidism <i>Hasan Aydın</i>			Lecture Screening and Early Diagnosis in Oncology <i>Orhan Önder Eren</i>			Lecture Evidence based Approach to the Patient with Chronic Kidney Disease <i>Gülçin Kantarcı</i>			Lecture Endocrine Hypertension <i>Hasan Aydın</i>		
15.30- 17.30	Discussion Small Group YUH			Discussion Small Group YUH			Discussion Small Group YUH			Discussion Small Group YUH			Discussion Small Group YUH		

**WEEK VIII / 16-20-Jan-2017**

	Monday 16-Jan-2017			Tuesday 17-Jan-2017			Wednesday 18-Jan-2017			Thursday 19-Jan-2017			Friday 20-Jan-2017		
08.30- 09:50	Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)		
10.00- 11.50	Subgroup B1 Emergency Care Service	Subgroup B2 Clinical Experience InPatient	Subgroup B3 Common OutPatient Clinic	Subgroup B1 Emergency Care Service	Subgroup B2 Clinical Experience InPatient	Subgroup B3 Common OutPatient Clinic	Subgroup B1 Emergency Care Service	Subgroup B2 Clinical Experience InPatient	Subgroup B3 Common OutPatient Clinic	Subgroup B1 Emergency Care Service	Subgroup B2 Clinical Experience InPatient	Subgroup B3 Common OutPatient Clinic	Subgroup B1 Emergency Care Service	Subgroup B2 Clinical Experience InPatient	Subgroup B3 Common OutPatient Clinic
12.00- 12.50	Lunch			Lunch			Lunch			Lunch			Lunch		
13.30- 14.20	Lecture Cushing's Syndrome <i>Hasan Aydın</i>			Lecture Approach to Elderly Patients <i>Yaşar Küçükardalı</i>			Lecture Colorectal Cancer <i>Orhan Önder Eren</i>			Lecture Management of Cancer Pain <i>Orhan Önder Eren</i>			Lecture Hospital Infections <i>Meral Sönmezoğlu</i>		
14.30- 15.20	Lecture Oncologic Emergencies <i>Orhan Önder Eren</i>			Lecture Approach to Elderly Patients <i>Yaşar Küçükardalı</i>			Lecture Principles of Chemotherapy and Complications <i>Orhan Önder Eren</i>			Lecture Approach ach to the Patient with Hemoragic Diathesis <i>Hasan Atilla Özkan</i>			Lecture Stem Cell Transplantation <i>Hasan Atilla Özkan</i>		
15.30- 17.30	Independent Learning			Independent Learning			Independent Learning			Independent Learning			Independent Learning		

# WEEK IX / 23-27 Jan 2017

	Monday 23-Jan-2016			Tuesday 24-Jan-2016			Wednesday 25-Jan-2016			Thursday 26-Jan-2016			Friday 27-Jan-2016		
08.30- 09:50	Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)			Ward Round- HTRH (All Subgroups)		
10.00- 11.50	Subgroup B1 Clinical Experience InPatient	Subgroup B2 Clinical Experience InPatient	Subgroup B3 Common OutPatient Clinic	Subgroup B1 Clinical Experience InPatient	Subgroup B2 Clinical Experience InPatient	Subgroup B3 Common OutPatient Clinic	Subgroup B1 Clinical Experience InPatient	Subgroup B2 Clinical Experience InPatient	Subgroup B3 Common OutPatient Clinic	Subgroup B1 Clinical Experience InPatient	Subgroup B2 Clinical Experience InPatient	Subgroup B3 Common OutPatient Clinic	Subgroup B1 Clinical Experience InPatient	Subgroup B2 Clinical Experience InPatient	Subgroup B3 Common OutPatient Clinic
12.00- 12.50	Lunch			Lunch			Lunch			Lunch			Lunch		
13.30- 14.20	Lecture Transfusion Indications and Reactions <i>Meral Sönmezoğlu</i>			Lecture Lung Cancer <i>Orhan Önder Eren</i>			Independent Learning			Independent Learning			Independent Learning		
14.30- 15.20	Lecture Diagnosis and Management of Hypercoagulapathy <i>Hasan Atilla Özkan</i>			Lecture Breast Cancer <i>Orhan Önder Eren</i>											
15.30- 16.20	Lecture Cardiopulmonary Resuscitation <i>Yaşar Küçükardalı</i>			Independent Learning											
16.20-17.30	Independent Learning														

**WEEK X/ 30 Jan-03 Feb 2017**

	Monday 01-Feb-2017	Tuesday 02-Feb-2017	Wednesday 03-Feb-2017	Thursday 04-Feb-2017	Friday 05-Feb-2017
08.30- 09:50			Assessment Session (Written Exam)		Assessment Session (Final Exam)
10.00- 11.50					
12.00- 14.00			Program Evaluation Session Review of the Exam Questions, Evaluation of the Clearship Program		
14.00-17.30	Independent Learning	Independent Learning	Independent Learning	Independent Learning	



**YEDİTEPE UNIVERSITY  
FACULTY OF MEDICINE  
PHASE IV**

**CHILD HEALTH and PEDIATRICS**

**YEDİTEPE UNIVERSITY HOSPITAL**

**Filiz Bakar, MD. Prof.**

**Buket Erer DelCastello, MD. Prof.**

**Sabri Kemahlı, MD. Prof.**

**Suat Biçer, MD. Assoc. Prof.**

**Meltem Uğraş, MD. Assoc. Prof.**

**Hülya Sarıçoban, MD. Assoc. Prof.**

**Sema Yılmaz, MD. Assoc. Prof.**

**Mustafa Berber, MD. Assist. Prof.**

**Tuba Giray, MD. Lecturer**

**Fatma Tuba Coşkun, MD. Lecturer**

**Endi Romano, MD. Lecturer**

**Belma Haliloğlu, MD. Lecturer**

**&**

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

**Chief of the Department of Child Health and Pediatrics: Yasemin Akın, MD. Assoc Prof.**

## AIM AND LEARNING OBJECTIVES OF PEDIATRICS

### AIM

Aim of this clerkship is to;

1. *equip* students *with* necessary knowledge, skills and attitudes required for an appropriate Approach to healthy child and pediatric Patient,
2. *convey* necessary knowledge on preventive healthcare measures,
3. *equip* students *with* necessary knowledge, skills and attitudes required for *achieving* diagnosis and differential diagnosis in basic childhood diseases,
4. *equip* students *with* necessary knowledge, skills and attitudes required to perform primary care prophylaxis and treatment
5. *equip* students *with* necessary knowledge, skills and attitudes to refer Patient to advanced healthcare units upon indication

### LEARNING OBJECTIVES

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

#### SKILLS

- 1.0. take detailed, relevant history of child and his/her family,
  - 1.1. **perform** intravenous/intramuscular/subcutaneous injections,
  - 1.2. **collect** venous blood sample,
  - 1.3. **vaccinate** children,
- 2.0. perform detailed Physical Examination of child and neonate, considering special features related to age of Patient,
- 3.0. assess physical-motor-mental development of healthy child,
- 4.0. assess anthropometric evaluation in proper techniques, including percentile charts,
- 7.0. supply basic life support to neonates and children,
- 8.0. collect pharyngeal swab, fecal and urine cultures,
- 9.0. evaluate results of
  - 9.1 peripheral blood smear,
  - 9.2 urine test and sediment
  - 9.3 arterial blood gas
  - 9.4 complete blood count
  - 9.5 pediatric ECG
- 9.6 serum electrolytes, renal function tests, hepatic function tests and thyroid function tests
- 9.7 chest X-rays
- 7.0. supply basic life support to neonates and children,
- 8.0. collect pharyngeal swab, fecal and urine cultures,
- 9.0. evaluate results of
  - 9.1 peripheral blood smear,

- 9.2 urine test and sediment
- 9.3 arterial blood gas
- 9.4 complete blood count
- 9.5 pediatric ECG
- 9.6 serum electrolytes, renal function tests, hepatic function tests and thyroid function tests
- 9.7 chest X-rays
- 10.0 care umbilicus in newborn
- 11.0 perform and evaluate results of
  - 11.1 lumbar puncture,
  - 11.2 cerebrospinal fluid analysis,
  - 11.3 otoscopy and ophthalmoscopy,
  - 11.4 occult blood test in stool,
  - 11.5 microscopic examination of stool,
  - 11.6 urethral catheter insertion,
  - 11.7 nasogastric catheter insertion,
  - 11.8 thoracentesis,
  - 11.9 nebulizer use for Patient,
  - 11.10 pulse oximetry,
  - 11.11 cardiac monitoring and ECG,
  - 11.12 measurement of blood glucose with a glucometer,
  - 11.13 application and follow up of phototherapy,
  - 11.14 pedigree construction
- 12.0 observe and explain
  - 12.1 bone marrow aspiration,
  - 12.2 paracentesis,
  - 12.3 exchange transfusion,
  - 12.4 pulmonary function tests,
  - 12.5 intraarticular intervention
  - 12.6 liver, renal and rectal biopsies,
  - 12.7 diagnostic and therapeutic endoscopy,
  - 12.8 echocardiography,
  - 12.9 cardiac catheterization,
  - 12.10 application of prick test
  - 12.11 endocrinological provocation and inhibition tests,
  - 12.12 nasal smear,
  - 12.13. 24 hour pH monitoring and reflux tests,
  - 12.14. gastrointestinal motility,

## **ATTITUDES**

- 13.0 **assimilate** principles of
  - 13.1 respecting Patient rights and establishing well-balanced relations with Patients' relatives,

- 13.2 maintaining good relations with colleagues and teaching staff, and being analytical and research orientated,
- 13.3 maintaining good relations with health staff,
- 13.4 asking for consultation,
- 13.5 using written and on-line sources correctly,
- 13.6 giving clear and concise information about Patient's condition to Patient and family,
- 13.7 obeying infection control regulations when working in ward and outPatient clinics

## ASSESSMENT

*This table shows question types and assessment methods/tools used in training program.*

<b>Question Types (Pencil-Paper Tests)</b>	<b>Proportion (in Pencil-Paper Tests)</b>
Multiple Choice Questions	100%
<b>Total</b>	<b>100 %</b>
<b>Other Assessment Methods and Tools</b>	<b>Proportion (in Pass/Fail ecision)</b>
Oral Exam (OE)	40%
Mini Clinical Evaluation Exercise (Mini-CEX)	5%
Logbook	5%
<b>Total</b>	<b>50 %</b>
<b>Pass/Fail Decision</b>	<b>Proportion (in Pass/Fail ecision)</b>
Pencil-Paper Tests	50%
Other Assessment Methods and Tools	50%
<b>Total</b>	<b>100 %</b>

## CHILD HEALTH and PEDIATRICS - Group B WEEK I / 05-09 Sep. 2016

	Monday 05-Sep-2016	Tuesday 06-Sep-2016	Wednesday 07-Sep-2016	Thursday 08-Sep-2016	Friday 09-Sep-2016
09.00- 09:50	<b>Introduction to Pediatrics, History Taking</b> <i>Filiz Bakar</i> YUH	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)
10.00- 10.50	<b>Lecture</b> Newborn Examination <i>Filiz Bakar</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)
11.00-11.50	<b>Lecture</b> Respiratory System Examination <i>Hülya Sarıçoban</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)
12.00- 12.50	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
13.00- 13.50	<b>Lecture</b> Cardiovascular System Examination & Electrocardiographic Principles <i>Hülya Sarıçoban</i> <i>Fatma Tuba Coşkun</i>	<b>Lecture</b> Prematurity, Postmaturity <i>Filiz Bakar</i>	<b>Lecture</b> Pediatric Assessment in Pediatric Emergency Department and a Case Study <i>Suat Biçer</i>	<b>Lecture</b> Evidence Based Approach to Nutrition <i>Meltem Uğraş</i>	<b>Lecture</b> Neonatal Hyperbilirubinemia and a Case Study <i>Filiz Bakar</i>
14.00- 14.50	<b>Lecture</b> Gastrointestinal and Genitourinary System Examination <i>Meltem Uğraş</i>	<b>Lecture</b> Perinatal Asphyxia, Cerebral Palsy, Neonatal Resuscitation, and Neonatal Transport <i>Filiz Bakar</i>	<b>Lecture</b> Pediatric Basic and Advanced Life Support <i>Suat Biçer</i>	<b>Lecture</b> Malnutrition & Obesity <i>Meltem Uğraş</i>	<b>Lecture</b> Immunization Principles and Vaccination <i>Mustafa Berber</i>
15.00- 15.50	<b>Lecture</b> Neurological Examination <i>Hülya Sarıçoban</i> <i>Tuba Giray</i>	<b>Independent Learning</b>	<b>Case study</b> Pediatric Basic and Advanced Life Support <i>Suat Biçer</i>	<b>Lecture</b> Growth, Development, and Growth Retardation and a Case Study <i>Meltem Uğraş</i> <i>Belma Haliloğlu</i>	<b>Lecture</b> Neonatal Respiratory Distress and a Case Study <i>Mustafa Berber</i>
16.00-16.50	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>

**GROUP B WEEK II / 14-18 Nov. 2016**

	<b>Monday 12-Sep-2016</b>	<b>Tuesday 13-Sep-2016</b>	<b>Wednesday 14-Sep-2016</b>	<b>Thursday 15-Sep-2016</b>	<b>Friday 16-Sep-2016</b>
RELIGIOUS HOLIDAY					

### Group B WEEK III / 19-23 Sep. 2016

	Monday 19-Sep-2016	Tuesday 20-Sep-2016	Wednesday 21-Sep-2016	Thursday 22-Sep-2016	Friday 23-Sep-2016
09.00- 09:50	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)
10.00- 10.50	Clinical Experience (InPatient-OutPatient- (YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient-OutPatient- (YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient-OutPatient- (YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient-OutPatient- (YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient-OutPatient- (YUH&LKRH) (All Subgroups)
11.00-11.50					
12.00- 12.50	Lunch	Lunch	Lunch	Lunch	Lunch
13.00- 13.50	Lecture Basic Principles and Practice of Clinical Biochemistry-1 <i>Serdar Öztezcan</i>	Clinical Experience (InPatient-OutPatient- (YUH&LKRH) (All Subgroups)	Lecture Vitamin Deficiencies and Rickets <i>Yasemin Akın</i> (Kartal LKRH)	Lecture Evidence Based Approach to Urticaria, Anaphylaxis and a Case Study <i>Hülya Sarıçoban</i>	Lecture Upper Respiratory Tract Infection and a Case Study <i>Hülya Sarıçoban</i>
14.00- 14.50	Lecture Basic Principles and Practice of Clinical Biochemistry-2 <i>Serdar Öztezcan</i>	Clinical Experience (InPatient-OutPatient- (YUH&LKRH) (All Subgroups)	Case study Vitamin Deficiencies& Rickets <i>Yasemin Akın</i> (Kartal LKRH)	Lecture Atopic dermatitis and allergic rhinitis and a case study <i>Hülya Sarıçoban</i>	Lecture Lower Respiratory Tract Infection and A Case Study <i>Hülya Sarıçoban</i>
15.00- 15.50	Lecture Renal and Liver Function Tests, Electrolytes and Acid- Base balance <i>Jale Çoban</i>	Clinical Experience (InPatient-OutPatient- (YUH&LKRH) (All Subgroups)	Independent Learning	Independent Learning	Lecture Approach to the Child with Fever and Fever of Unknown Origin And Case Studies <i>Suat Biçer</i>
16.00-16.50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning



### Group B WEEK IV / 26-30 Sep. 2016

	Monday 26-Sep-2016	Tuesday 27-Sep-2016	Wednesday 28-Sep-2016	Thursday 29-Sep-2016	Friday 30-Sep-2016
09.00- 09:50	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)
10.00- 11.50	Clinical Experience (InPatient-OutPatient- (YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient-OutPatient- (YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient-OutPatient- (YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient-OutPatient- (YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient-OutPatient- (YUH&LKRH) (All Subgroups)
12.00- 12.50	Lunch	Lunch	Lunch	Lunch	Lunch
13.00- 13.50	Lecture Urinalysis and Other Body Fluids <i>Jale Çoban</i>	Clinical Experience (InPatient-OutPatient- (YUH&LKRH) (All Subgroups)	Lecture Respiratory Failure <i>Suat Biçer</i>	Lecture Acute Gastroenteritis and Parasitosis and Case Study <i>Meltem Uğraş Tuba Giray</i>	Lecture Acid-Base Disorders and Case Studies <i>Suat Biçer</i>
14.00- 14.50	Lecture Fluid and Electrolyte Disorders-1 <i>Suat Biçer</i>	Clinical Experience (InPatient-OutPatient- (YUH&LKRH) (All Subgroups)	Lecture Approach to the Dysmorphic Child and Common Genetic Disorder in Pediatrics <i>Ayşegül Kuşkucu</i>	Lecture Viral Paralytic Diseases and Case Study <i>Sema Yılmaz Endi Romano</i>	Lecture Intoxications and Case Studies <i>Suat Biçer</i>
15.00- 15.50	Lecture Fluid and Electrolyte Disorders-2 <i>Suat Biçer</i>	Clinical Experience (InPatient-OutPatient- (YUH&LKRH) (All Subgroups)	Independent Learning	Independent Learning	Independent Learning

### Group B WEEK V / 03-07 Oct. 2016

	<b>Monday 03-Oct-2016</b>	<b>Tuesday 04-Oct-2016</b>	<b>Wednesday 05-Sep-2016</b>	<b>Thursday 06-Oct-2016</b>	<b>Friday 07-Oct-2016</b>
<b>09.00- 09:50</b>	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)
<b>10.00- 10.50</b>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)
<b>11.00-11.50</b>					
<b>12.00- 12.50</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
<b>13.00- 13.50</b>	<b>Lecture</b> Acute Glomerulonephritis and Case Study <i>Filiz Bakar</i> <i>Fatma Tuba Coşkun</i>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Lecture</b> Urinary Tract Infections and Tubulopathies and Case Study <i>Filiz Bakar</i>	<b>Lecture</b> Acute and Chronic Renal Failure and Case Study <i>Filiz Bakar</i> <i>Tuba Giray</i>	<b>Lecture</b> Tuberculosis <i>Hülya Sarıçoban</i>
<b>14.00- 14.50</b>	<b>Lecture</b> Nephrotic Syndrome and Case Study <i>Filiz Bakar</i> <i>Endi Romano</i>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Lecture</b> Hypertension and Case Study <i>Mustafa Berber</i>	<b>Lecture</b> Connective Tissue Diseases and Vasculitic Syndromes and Case Study <i>Mustafa Berber</i>	<b>Lecture</b> Diagnostic Methods in Infectious Diseases <i>İ. Çağatay Acuner</i>
<b>15.00- 15.50</b>	<b>Lecture</b> Calcium Metabolism, Hyperparatiroidism, Hypoparatiroidism <i>Meltem Uğraş</i> <i>Belma Haliloğlu</i>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Lecture</b> Congenital Heart Diseases <i>Filiz Bakar</i> <i>Fatma Tuba Coşkun</i>	<b>Lecture</b> Diseases of Myocardium and Pericardium <i>Sabri Kemahlı</i> <i>Endi Romano</i>	<b>Lecture</b> Congestive Heart Failure <i>Sabri Kemahlı</i> <i>Endi Romano</i>
<b>16.00-16.50</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>

## GROUP B WEEK VI / 10-14 Oct. 2016

	<b>Monday 10-Oct-2016</b>	<b>Tuesday 11-Oct-2016</b>	<b>Wednesday 12-Oct-2016</b>	<b>Thursday 13-Oct-2016</b>	<b>Friday 14-Oct-2016</b>
<b>09.00- 09:50</b>	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)
<b>10.00- 10:50</b>	<b>Clinical Experience (InPatient-OutPatient- (YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient-OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient-OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient-OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient-OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)
<b>11.00-11:50</b>					
<b>12.00- 12:50</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	
<b>13.00- 13:50</b>	<b>Lecture</b> Evaluation of Endocrine Function <i>Serdar Öztezcan</i>	<b>Clinical Experience (InPatient-OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Lecture</b> Maculopapular-Vesicular Diseases and Case Studies <i>Suat Biçer</i> <i>Tuba Giray</i>	<b>Lecture</b> Thyroid Disorders and Congenital Hypothyroidism and a Case Study <i>Filiz Bakar</i> <i>Belma Haliloğlu</i>	<b>Lecture</b> Sepsis and Meningococemia and case Study <i>Suat Biçer</i>
<b>14.00- 14:50</b>	<b>Lecture</b> Cardiac Markers <i>Serdar Öztezcan</i>	<b>Clinical Experience (InPatient-OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Lecture</b> Tetanus, Diphteria, Mumps, And Pertussis and Case Studies <i>Suat Biçer</i> <i>Fatma Tuba Coşkun</i>	<b>Lecture</b> Evidence Based Approach to Intrauterin Infections <i>Mustafa Berber</i>	<b>Lecture</b> Infections of CNS and Case Study <i>Hülya Sarıçoban</i> <i>Tuba Giray</i>
<b>15.00- 15:50</b>	<b>Lecture</b> Carbohydrates and Diabetes Mellitus <i>Serdar Öztezcan</i>	<b>Clinical Experience (InPatient-OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Independent Learning</b>	<b>Lecture</b> Neonatal Infections and Case Study <i>Mustafa Berber</i>	<b>Lecture</b> Acute Rheumatic Fever and Infective Endocarditis <i>Hülya Sarıçoban</i> <i>Fatma Tuba Coşkun</i>
<b>16.00-16:50</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>

## GROUP B WEEK VII / 17-21 Oct. 2016

	Monday 17-Oct-2016	Tuesday 18-Oct-2016	Wednesday 19-Oct-2016	Thursday 20-Oct-2016	Friday 21-Oct-2016
09.00- 09:50	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)
10.00- 10.50	Clinical Experience (InPatient-OutPatient- (YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)
11.00-11.50					
12.00- 12.50	Lunch	Lunch	Lunch	Lunch	Lunch
13.00- 13.50	<b>Lecture</b> Abdominal Pain and Peptic Diseases, H. pylori infection, Gastroesophageal Reflux <i>Meltem Uğraş</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	<b>Lecture</b> GIS Bleeding <i>Meltem Uğraş</i>	<b>Lecture</b> Asthma <i>Hülya Sarıçoban</i>	<b>Lecture</b> Hematological and Metabolic Disorders in Newborn <i>Mustafa Berber</i>
14.00- 14.50	<b>Lecture</b> Inflammatory Bowel Diseases <i>Meltem Uğraş</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	<b>Lecture</b> Malabsorption and Celiac Disease <i>Meltem Uğraş</i>	<b>Lecture</b> Diabetic Ketoacidosis <i>Mustafa Berber</i> <i>Belma Haliloğlu</i>	<b>Lecture</b> Hepatitis and Case Study <i>Meltem Uğraş</i>
15.00- 15.50	<b>Lecture</b> Constipation <i>Meltem Uğraş</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	<b>Lecture</b> Inborn Errors of Metabolism <i>Sema Yılmaz</i> <i>Belma Haliloğlu</i>	<b>Lecture</b> Diabetes Mellitus <i>Mustafa Berber</i> <i>Belma Haliloğlu</i>	<b>Lecture</b> Cirrhosis, Portal Hypertension <i>Meltem Uğraş</i>
16.00-16.50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

## GROUP B WEEK VIII / 24-28 Oct. 2016

	Monday 24-Oct-2016	Tuesday 25-Oct-2016	Wednesday 26-Oct-2016	Thursday 27-Oct-2016	Friday 28-Oct-2016
09.00- 09:50	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)
10.00- 10.50	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)
11.00-11.50					
12.00- 12.50	Lunch	Lunch	Lunch	Lunch	Lunch
13.00- 13.50	<b>Lecture</b> Approach to the Patient with Convulsion and Case Study <i>Suat Biçer</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	<b>Lecture</b> Haemoglobinopathies (Thalassemia and Sickle Cell Anemia) <i>Buket Erer DelCastello</i>	<b>Lecture</b> Introduction to Pediatric Oncology; lymph Nodes and Abdominal masses <i>Sema Yılmaz</i>	<b>Lecture</b> Approach to Immun Deficiencies-1 <i>Hülya Sarıçoban</i>
14.00- 14.50	<b>Lecture</b> Hemopoetic Stem Cell and Transplantation & Cell therapies <i>Buket Erer DelCastello</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	<b>Lecture</b> Coma&Stroke and Case Study <i>Suat Biçer</i>	<b>Lecture</b> Malignancy in Childhood <i>Sema Yılmaz</i>	<b>Lecture</b> Approach to Immun Deficiencies-2 <i>Hülya Sarıçoban</i>
15.00- 15.50	<b>Lecture</b> Hematology and Coagulation <i>Jale Çoban</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Independent Learning	<b>Lecture</b> Cystic Fibrosis and Wheezy Infant <i>Hülya Sarıçoban</i>	<b>Lecture</b> Shock <i>Suat Biçer</i>
16.00-16.50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

## GROUP B WEEK IX / 31 Oct.-04 Nov. 2016

	Monday 31-Oct-2016	Tuesday 01-Nov-2016	Wednesday 02-Nov-2016	Thursday 03-Nov-2016	Friday 04-Nov-2016
09.00- 09:50	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)
10.00- 10.50	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)
11.00-11.50					
12.00- 12.50	Lunch	Lunch	Lunch	Lunch	Lunch
13.00- 13.50	<b>Lecture</b> Pediatric Pharmacology&Drug Therapy-1 <i>Ferda Kaleağasioğlu</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	<b>Lecture</b> Pediatric Drug Therapy-Upper Respiratory System Infections <i>Ferda Kaleağasioğlu</i>	<b>Lecture</b> Adrenal Hypofunction and Hypophyseal Diseases (Cushing Syndrome, Diabetes Insipidus, hyperthyroidism) <i>Mustafa Berber</i> <i>Belma Haliloğlu</i>	<b>Lecture</b> Introduction to Anemia, Iron Deficiency Anemia and Nutritional Anemias <i>Sabri Kemahli</i>
14.00- 14.50	<b>Lecture</b> Pediatric Pharmacology&Drug Therapy-2 <i>Ferda Kaleağasioğlu</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	<b>Lecture</b> Pediatric Drug Therapy- Urinary System Infections <i>Ferda Kaleağasioğlu</i>	<b>Lecture</b> Neonatal Convulsions and Case Study <i>Mustafa Berber</i>	<b>Lecture</b> Blood Transfusions and Complications <i>Sabri Kemahli</i>
15.00- 15.50	Independent Learning	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Independent Learning	Independent Learning	<b>Lecture</b> Haemophilia, Thrombosis and Disseminated Intravascular Coagulation <i>Sabri Kemahli</i>
16.00-16.50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

## GROUP B WEEK X / 07-11 Nov. 2016

	Monday 07-Nov-2016	Tuesday 08-Nov-2016	Wednesday 09-Nov-2016	Thursday 10-Nov-2016	Friday 11-Nov-2016
09.00- 09:50	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Assessment Session (Written Exam)	Assessment Session (Oral Exam)
10.00- 10.50	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)		
11.00-11.50					
12.00- 12.50	Lunch	Lunch	Lunch	Lunch	
13.00- 13.50	Mini Clinical Exam (Subgroup 1)	Mini Clinical Exam (Subgroup 5)	Mini Clinical Exam (Subgroup 8)	Discussion of written exam	Program Evaluation Session Review of the Exam Questions, Evaluation of the Clearkship Program
14.00- 14.50	Mini Clinical Exam (Subgroup 2)	Mini Clinical Exam (Subgroup 6)	Mini Clinical Exam (Subgroup 9)		
15.00- 15.50	Mini Clinical Exam (Subgroup 3)	Mini Clinical Exam (Subgroup 7)	Mini Clinical Exam (Subgroup 10)		

## CHILD HEALTH and PEDIATRICS - GROUP A WEEK I / 28 Nov.-02 Dec. 2016

	<b>Monday 28-Nov-2016</b>	<b>Tuesday 29-Nov-2016</b>	<b>Wednesday 30-Nov-2016</b>	<b>Thursday 01-Dec-2016</b>	<b>Friday 02-Dec-2016</b>
<b>09.00- 09:50</b>	Introduction to Pediatrics, History Taking <i>Filiz Bakar</i>	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)
<b>10.00- 10.50</b>	<b>Lecture</b> Newborn Examination <i>Filiz Bakar</i>	Clinical Experience (InPatient-OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient-OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient-OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient-OutPatient-(YUH&LKRH) (All Subgroups)
<b>11.00-11.50</b>	<b>Lecture</b> Respiratory System Examination <i>Hülya Sarıçoban</i>	Clinical Experience (InPatient-OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient-OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient-OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient-OutPatient-(YUH&LKRH) (All Subgroups)
<b>12.00- 12.50</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
<b>13.00- 13.50</b>	<b>Lecture</b> Cardiovascular System Examination & Electrocardiographic Principles <i>Hülya Sarıçoban</i> <i>Fatma Tuba Coşkun</i>	<b>Lecture</b> Prematurity, Postmaturity <i>Filiz Bakar</i>	<b>Lecture</b> Pediatric Assessment in Pediatric Emergency Department and a Case Study <i>Suat Biçer</i>	<b>Lecture</b> Evidence Based Approach to Nutrition <i>Meltem Uğraş</i>	<b>Lecture</b> Neonatal Hyperbilirubinemia and a case study <i>Filiz Bakar</i>
<b>14.00- 14.50</b>	<b>Lecture</b> Gastrointestinal and Genitourinary System Examination <i>Meltem Uğraş</i>	<b>Lecture</b> Perinatal Asphyxia, Cerebral Palsy, Neonatal Resuscitation, and Neonatal Transport <i>Filiz Bakar</i>	<b>Lecture</b> Pediatric Basic and Advanced life Support <i>Suat Biçer</i>	<b>Lecture</b> Malnutrition & Obesity <i>Meltem Uğraş</i>	<b>Lecture</b> Immunization Principles and vaccination <i>Mustafa Berber</i>
<b>15.00- 15.50</b>	<b>Lecture</b> Neurological Examination <i>Hülya Sarıçoban</i> <i>Tuba Giray</i>	<b>Independent Learning</b>	<b>Case study</b> Pediatric basic and advanced life support <i>Suat Biçer</i>	<b>Lecture</b> Growth, Development, and Growth Retardation and a Case Study <i>Meltem Uğraş</i> <i>Belma Haliloğlu</i>	<b>Lecture</b> Neonatal Respiratory Distress and a Case Study <i>Mustafa Berber</i>
<b>16.00-16.50</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>



## GROUP A WEEK II / 05-09 Dec. 2016

	Monday 05-Dec-2016	Tuesday 06-Dec-2016	Wednesday 07-Dec-2016	Thursday 08-Dec-2016	Friday 09-Dec-2016
09.00- 09:50	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)
10.00- 10.50	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)
11.00-11.50	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)
12.00- 12.50	Lunch	Lunch	Lunch	Lunch	Lunch
13.00- 13.50	<b>Lecture</b> Urinalysis and Other Body Fluids <i>Jale Çoban</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	<b>Lecture</b> Approach to the Child with Fever and Fever of Unknown Origin and Case Studies <i>Suat Biçer</i>	<b>Lecture</b> Congenital Heart Diseases <i>Filiz Bakar</i> <i>Fatma Tuba Coşkun</i>	<b>Lecture</b> Congestive Heart Failure <i>Sabri Kemahlı</i> <i>Endi Romano</i>
14.00- 14.50	<b>Lecture</b> Renal and Liver Function Tests, Electrolytes and Acid-Base Balance <i>Jale Çoban</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	<b>Lecture</b> Shock <i>Suat Biçer</i>	<b>Lecture</b> Diseases of Myocardium and Pericardium <i>Sabri Kemahlı</i> <i>Endi Romano</i>	<b>Lecture</b> Acute Rheumatic Fever and Infective Endocarditis <i>Hülya Sarıçoban</i> <i>Fatma Tuba Coşkun</i>
15.00- 15.50	Independent Learning	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Independent Learning	Independent Learning	Independent Learning
16.00-16.50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

### GROUP A WEEK III / 12-16 Dec. 2016

	Monday 12-Dec-2016	Tuesday 13-Dec-2016	Wednesday 14-Dec-2016	Thursday 15-Dec-2016	Friday 16-Dec-2016
09.00- 09:50	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)	Ward Round- YUH&LKRH (All Subgroups)
10.00- 10.50	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)
11.00-11.50	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)
12.00- 12.50	Lunch	Lunch	Lunch	Lunch	Lunch
13.00- 13.50	<b>Lecture</b> Basic Principles and Practice of Clinical Biochemistry-1 <i>Serdar Öztezcan</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	<b>Lecture</b> Vitamin Deficiencies and Rickets <i>Yasemin Akın</i> (Kartal LKRH)	<b>Lecture</b> Evidence Based Approach to Urticaria, Anaphylaxis and a Case study <i>Hülya Sarıçoban</i>	<b>Lecture</b> Upper Respiratory Tract Infection and a Case Study <i>Hülya Sarıçoban</i>
14.00- 14.50	<b>Lecture</b> Basic Principles and Practice of Clinical Biochemistry-2 <i>Serdar Öztezcan</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	<b>Case study</b> Vitamin deficiencies& Rickets <i>Yasemin Akın</i> (Kartal LKRH)	<b>Lecture</b> Atopic Dermatitis and Allergic Rhinitis and a Case Study <i>Hülya Sarıçoban</i>	<b>Lecture</b> Lower Respiratory Tract Infection and a Case Study <i>Hülya Sarıçoban</i>
15.00- 15.50	Independent Learning	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Independent Learning	Independent Learning	Independent Learning
16.00-16.50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

# **GROUP A WEEK IV / 19-23 Dec. 2016**

	<b>Monday 19-Dec-2016</b>	<b>Tuesday 20-Dec-2016</b>	<b>Wednesday 21-Dec-2016</b>	<b>Thursday 22-Dec-2016</b>	<b>Friday 23-Dec-2016</b>
<b>09.00- 09:50</b>	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)
<b>10.00- 10.50</b>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)
<b>11.00-11.50</b>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)
<b>12.00- 12.50</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
<b>13.00- 13.50</b>	<b>Lecture</b> Fluid and Electrolyte Disorders-1 <i>Suat Biçer</i>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Lecture</b> Approach to the Dysmorphic child and Common Genetic Disorder in Pediatrics <i>Ayşegül Kuşku</i>	<b>Lecture</b> Acute Gastroenteritis and Parasitosis and Case study <i>Meltem Uğraş</i> <i>Tuba Giray</i>	<b>Lecture</b> Acid-Base Disorders and Case Studies <i>Suat Biçer</i>
<b>14.00- 14.50</b>	<b>Lecture</b> Fluid and Electrolyte Disorders-2 <i>Suat Biçer</i>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Lecture</b> Respiratory Failure <i>Suat Biçer</i>	<b>Lecture</b> Viral paralytic Diseases and Case Study <i>Sema Yılmaz</i> <i>Endi Romano</i>	<b>Lecture</b> Intoxications and Case Studies <i>Suat Biçer</i>
<b>15.00- 15.50</b>	<b>Independent Learning</b>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>
<b>16.00-16.50</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>

### GROUP A WEEK V / 26-30 Dec. 2016

	<b>Monday 26-Dec-2016</b>	<b>Tuesday 27-Dec-2016</b>	<b>Wednesday 28-Dec-2016</b>	<b>Thursday 29-Dec-2016</b>	<b>Friday 30-Dec-2016</b>
<b>09.00- 09:50</b>	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)
<b>10.00- 10.50</b>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)
<b>11.00-11.50</b>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)
<b>12.00- 12.50</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
<b>13.00- 13.50</b>	<b>Lecture</b> Acute Glomerulonephritis and Case Study <i>Filiz Bakar</i> <i>Fatma Tuba Coşkun</i>	<b>Clinical Experience (InPatient- OutPatient- (YUH&amp;LKRH)</b> (All Subgroups)	<b>Lecture</b> Urinary Tract Infections and Tubulopathies and Case Study <i>Filiz Bakar</i>	<b>Lecture</b> Acute and Chronic Renal Failure and Case Study <i>Filiz Bakar</i> <i>Tuba Giray</i>	<b>Lecture</b> Tuberculosis <i>Hülya Sarıçoban</i>
<b>14.00- 14.50</b>	<b>Lecture</b> Nephrotic Syndrome and Case Study <i>Filiz Bakar</i> <i>Endi Romano</i>	<b>Clinical Experience (InPatient- OutPatient- (YUH&amp;LKRH)</b> (All Subgroups)	<b>Lecture</b> Calcium Metabolism, Hyperparatiroidism, Hypoparatiroidism <i>Meltem Uğraş</i> <i>Belma Haliloğlu</i>	<b>Lecture</b> Connective Tissue Diseases and Vasculitic Syndromes and Case Study <i>Mustafa Berber</i>	<b>Lecture</b> Diagnostic Methods in Infectious Diseases <i>İ. Çağatay Acuner</i>
<b>15.00- 15.50</b>	<b>Lecture</b> Hypertension and Case Study <i>Mustafa Berber</i>	<b>Clinical Experience (InPatient- OutPatient- (YUH&amp;LKRH)</b> (All Subgroups)	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>
<b>16.00-16.50</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>

**GROUP A WEEK VI / 02–06 Jan. 2017**

	<b>Monday 02-Jan-2017</b>	<b>Tuesday 03-Jan-2017</b>	<b>Wednesday 04-Jan-2017</b>	<b>Thursday 05-Jan-2017</b>	<b>Friday 06-Jan-2017</b>
<b>09.00- 09:50</b>	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)
<b>10.00- 10.50</b>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)
<b>11.00-11.50</b>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)
<b>12.00- 12.50</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
<b>13.00- 13.50</b>	<b>Lecture</b> Evaluation of Endocrine Function <i>Serdar Öztezcan</i>	<b>Clinical Experience (InPatient- OutPatient- (YUH&amp;LKRH)</b> (All Subgroups)	<b>Lecture</b> Maculopapular-Vesicular Diseases and Case Studies <i>Suat Biçer</i> <i>Tuba Giray</i>	<b>Lecture</b> Thyroid Disorders and Congenital Hypothyroidism and a Case Study <i>Filiz Bakar</i> <i>Belma Haliloğlu</i>	<b>Lecture</b> Sepsis and Meningococemia and Case Study <i>Suat Biçer</i>
<b>14.00- 14.50</b>	<b>Lecture</b> Cardiac Markers <i>Serdar Öztezcan</i>	<b>Clinical Experience (InPatient- OutPatient- (YUH&amp;LKRH)</b> (All Subgroups)	<b>Lecture</b> Tetanus, Diphtheria, Mumps, and Pertussis and Case Studies <i>Suat Biçer</i> <i>Fatma Tuba</i>	<b>Lecture</b> Evidence Based Approach to Intrauterin infections <i>Mustafa Berber</i>	<b>Lecture</b> Infections of CNS and Case Study <i>Hülya Sarıçoban</i> <i>Tuba Giray</i>
<b>15.00- 15.50</b>	<b>Lecture</b> Carbohydrates and Diabetes Mellitus <i>Serdar Öztezcan</i>	<b>Clinical Experience (InPatient- OutPatient- (YUH&amp;LKRH)</b> (All Subgroups)	<b>Independent Learning</b>	<b>Lecture</b> Neonatal Infections and Case Study <i>Mustafa Berber</i>	<b>Independent Learning</b>
<b>16.00-16.50</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>

**GROUP A WEEK VII / 09-13 Jan. 2017**

	<b>Monday 09-Jan-2017</b>	<b>Tuesday 10-Jan-2017</b>	<b>Wednesday 11-Jan-2017</b>	<b>Thursday 12-Jan-2017</b>	<b>Friday 13-Jan-2017</b>
<b>09.00- 09:50</b>	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)
<b>10.00- 10:50</b>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)
<b>11.00-11:50</b>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)
<b>12.00- 12:50</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
<b>13.00- 13:50</b>	<b>Lecture</b> Abdominal Pain and Peptic Diseases, H. pylori Infection, Gastroesophageal Reflux <i>Meltem Uğraş</i>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Lecture</b> GIS Bleeding <i>Meltem Uğraş</i>	<b>Lecture</b> Asthma <i>Hülya Sarıçoban</i>	<b>Lecture</b> Hematological and Metabolic Disorders in Newborn <i>Mustafa Berber</i>
<b>14.00- 14:50</b>	<b>Lecture</b> Inflammatory Bowel Diseases <i>Meltem Uğraş</i>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Lecture</b> Malabsorption and Celiac Disease <i>Meltem Uğraş</i>	<b>Lecture</b> Cystic Fibrosis and Wheezy Infant <i>Hülya Sarıçoban</i>	<b>Lecture</b> Hepatitis and Case Study <i>Meltem Uğraş</i>
<b>15.00- 15:50</b>	<b>Lecture</b> Constipation <i>Meltem Uğraş</i>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Lecture</b> Inborn Errors of Metabolism <i>Sema Yılmaz</i> <i>Belma Haliloğlu</i>	<b>Independent Learning</b>	<b>Lecture</b> Cirrhosis, Portal Hypertension <i>Meltem Uğraş</i>
<b>16.00-16:50</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>

### GROUP A WEEK VIII / 16-20 Jan. 2017

	<b>Monday 16-Jan-2017</b>	<b>Tuesday 17-Jan-2017</b>	<b>Wednesday 18-Jan-2017</b>	<b>Thursday 19-Jan-2017</b>	<b>Friday 20-Jan-2017</b>
<b>09.00-09:50</b>	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)
<b>10.00- 10.50</b>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)
<b>11.00-11.50</b>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)
<b>12.00- 12.50</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
<b>13.00- 13.50</b>	<b>Lecture</b> Hematology and Coagulation <i>Jale Çoban</i>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Lecture</b> Haemoglobinopathies (Thalassemia and Sickle Cell Anemia) <i>Buket Erer DelCastello</i>	<b>Lecture</b> Introduction to Pediatric Oncology; Lymph Nodes and Abdominal Masses <i>Sema Yılmaz</i>	<b>Lecture</b> Approach to Immun Deficiencies- 1 <i>Hülya Sarıçoban</i>
<b>14.00- 14.50</b>	<b>Lecture</b> Introduction to Anemia, Iron Deficiency Anemia and Nutritional Anemias <i>Sabri Kemahli</i>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Lecture</b> Coma&Stroke and Case Study <i>Suat Biçer</i>	<b>Lecture</b> Malignancy in Childhood <i>Sema Yılmaz</i>	<b>Lecture</b> Approach to Immun Deficiencies- 2 <i>Hülya Sarıçoban</i>
<b>15.00- 15.50</b>	<b>Lecture</b> Blood Transfusions and Complications <i>Sabri Kemahli</i>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Lecture</b> Diabetes Mellitus <i>Mustafa Berber</i> <i>Belma Haliloğlu</i>	<b>Lecture</b> Diabetic Ketoacidosis <i>Mustafa Berber</i> <i>Belma Haliloğlu</i>	<b>Independent Learning</b>
<b>16.00-16.50</b>	<b>Lecture</b> Haemophilia, Thrombosis and Disseminated Intravascular Coagulation <i>Sabri Kemahli</i>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>

## GROUP A WEEK IX / 23-27 Jan. 2017

	<b>Monday 23-Jan-2017</b>	<b>Tuesday 24-Jan-2017</b>	<b>Wednesday 25-Jan-2017</b>	<b>Thursday 26-Jan-2017</b>	<b>Friday 27-Jan-2017</b>
<b>09.00- 09:50</b>	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)
<b>10.00- 10:50</b>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)
<b>11.00-11.50</b>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)
<b>12.00- 12:50</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
<b>13.00- 13:50</b>	<b>Lecture</b> Pediatric Pharmacology&Drug Therapy-1 <i>Ferda Kaleağasıoğlu</i>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Lecture</b> Pediatric Drug Therapy-Upper Respiratory System Infections <i>Ferda Kaleağasıoğlu</i>	<b>Lecture</b> Adrenal Hypofunction and Hypophyseal Diseases (Cushing Syndrome, Diabetes Insipidus, Hyperthyroidism) <i>Mustafa Berber</i> <i>Belma Haliloğlu</i>	<b>Lecture</b> Hemopoetic Stem Cell and Transplantation & Cell Therapies <i>Buket Erer DelCastello</i>
<b>14.00- 14:50</b>	<b>Lecture</b> Pediatric Pharmacology&Drug Therapy-2 <i>Ferda Kaleağasıoğlu</i>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Lecture</b> Pediatric Drug Therapy- Urinary System Infections <i>Ferda Kaleağasıoğlu</i>	<b>Lecture</b> Approach to the Patient with Convulsion and Case Study <i>Suat Biçer</i>	<b>Lecture</b> Neonatal Convulsions and Case Study <i>Mustafa Berber</i>
<b>15.00- 15:50</b>	<b>Independent Learning</b>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>
<b>16.00-16:50</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>



## GROUP A WEEK X / 26-30 Jan. 2016

	<b>Monday 30-Jan-2017</b>	<b>Tuesday 31-Jan-2017</b>	<b>Wednesday 01-Feb-2017</b>	<b>Thursday 02-Feb-2017</b>	<b>Friday 03-Feb-2017</b>
<b>09.00- 09:50</b>	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Ward Round- YUH&amp;LKRH</b> (All Subgroups)	<b>Assessment Session (Written Exam)</b>	<b>Assessment Session (Oral Exam)</b>
<b>10.00- 10:50</b>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)		
<b>11.00-11:50</b>	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)	<b>Clinical Experience (InPatient- OutPatient-(YUH&amp;LKRH)</b> (All Subgroups)		
<b>12.00- 12:50</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
<b>13.00- 13:50</b>	<b>Mini Clinical Exam (Subgroup 1)</b>	<b>Mini Clinical Exam (Subgroup 5)</b>	<b>Mini Clinical Exam (Subgroup 8)</b>	<b>Discussion of written exam</b>	<b>Program Evaluation Session</b> Review of the Exam Questions, Evaluation of the Clerkship Program
<b>14.00- 14:50</b>	<b>Mini Clinical Exam (Subgroup 2)</b>	<b>Mini Clinical Exam (Subgroup 6)</b>	<b>Mini Clinical Exam (Subgroup 9)</b>		
<b>15.00- 15:50</b>	<b>Mini Clinical Exam (Subgroup 3)</b>	<b>Mini Clinical Exam (Subgroup 7)</b>	<b>Mini Clinical Exam (Subgroup 10)</b>		
<b>16.00-16:50</b>	<b>Mini Clinical Exam (Subgroup 4)</b>	<b>Independent Learning</b>	<b>Independent Learning</b>		

**YEDİTEPE UNIVERSITY  
FACULTY OF MEDICINE  
PHASE IV**

**GENERAL SURGERY**

**YEDİTEPE UNIVERSITY HOSPITAL**

**Head of the Department of General Surgery: Özcan Gökçe, MD. Prof.**

**Öge Taşçılar, MD. Prof.**

**Baki Ekçi, MD. Assoc. Prof.**

**&**

**HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL**

**Chief of the Department of General Surgery: Osman Yücel, MD. Assoc. Prof.**

## **AIM AND LEARNING OBJECTIVES OF GENERAL SURGERY**

### **AIM**

Aim of this clerkship is to;

1. **equip** students **with** necessary knowledge, skills and attitudes required to make diagnoses and differential diagnoses of digestive system, endocrine, mammary and emergency surgery diseases, traumatized patients,
2. **equip** students **with** necessary knowledge, skills and attitudes required to approach transplant candidates or transplanted patients,
3. **equip** students **with** necessary knowledge, skills and attitudes required to **order** laboratory and imaging tests available in primary care,
4. **equip** students **with** necessary knowledge, skills and attitudes required to decide treatment modality,
5. **equip** students **with** necessary knowledge, skills and attitudes required to refer Patient to advanced healthcare units upon indication

### **LEARNING OBJECTIVES**

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

#### **KNOWLEDGE**

- 1.0. discuss basics of blood transfusion, hemostasis and coagulation
- 2.0. discuss shock types and treatments
- 3.0. summarize stages of systemic response to trauma

#### **SKILLS**

- 4.0. assess signs and symptoms, differential diagnoses and treatments options of surgical diseases of digestive system.
- 5.0. assess signs and symptoms, differential diagnoses and treatments of surgical diseases of breast, breast examination; ordering necessary tests for breast cancer and other mammary diseases.
- 6.0. assess signs and symptoms, differential diagnoses and treatments of surgical diseases of endocrine system, thyroid examination; ordering necessary tests for differential diagnosis.
- 7.0. assess signs and symptoms, differential diagnoses and treatments of surgical diseases of hepatobiliary system.
- 8.1. assess existing signs and symptoms of emergency patients,
- 8.2. do Physical Examination,
- 8.3. perform or order laboratory and imaging tests,
- 8.4. evaluate pre-diagnosis and differential diagnosis, treatment steps.
- 9.0. manage fluid-electrolyte balance.
- 10.0 do prophylaxis and treatments of surgical site infections.
- 11.0 plan nutrition of surgical patients.
- 12.1 discuss feasibility and criteria of liver, kidney, pancreas transplant,

- 12.2. do follow-up and treatments of these patients.
- 13.1 manage wound care and dressing,
- 13.2 do basic suturing,
- 13.3. diagnose and drain simply localized abscess or hematoma.
- 14.1. differentiate abdominal trauma (blunt/penetrant),
- 14.2. decide treatment.
- 15.1. decide how to Approach surgical diseases in primary care,
- 15.2. make initial diagnosis and treatment
- 16.0. assess intervention to traumatized Patient.
- 17.0. discuss basic principles of medical oncology.
- 18.1. recognize abdominal hernias,
- 18.2. conduct for treatment.
- 19.1 discuss etiopathogenesis, differential diagnosis and treatment of acute abdomen,
- 19.2. diagnose acute abdomen.
- 20.1 determine diagnoses of surgical diseases and treatment options that can applied at primary health care centers,
- 20.2. determine appropriate transport conditions and transporting criteria.

#### **ATTITUDES**

- 21.0. respect privacy of patient-doctor communication and patient privacy
- 22.0. value taking history in good communication manner towards Patient and Patient's relatives
- 23.0. value importance of informing patient and patient's relatives.
- 24.0. value importance of patient transport in compliance with regulations

## ASSESSMENT

*This table shows question types and assessment methods/tools used in training program.*

<b>Question Types (Pencil-Paper Tests)</b>	<b>Proportion (in Pencil-Paper Tests)</b>
Multiple Choice Questions	100%
<b>Total</b>	<b>100%</b>
<b>Other Assessment Methods and Tools</b>	<b>Proportion (in Other Assessment Methods and Tools)</b>
Oral Exam (OE)	90%
Evaluation of Case Presentation	10%
<b>Total</b>	<b>100 %</b>
<b>Pass/Fail Decision</b>	<b>Proportion (in Pass/Fail Decision)</b>
Pencil-Paper Tests	50%
Other Assessment Methods and Tools	50%
<b>Total</b>	<b>100%</b>

### GENERAL SURGERY CLERKSHIP PROGRAM - Group A Week I / 20 Feb.- 24 Mar. 2017

	Monday 20-Feb-2017	Tuesday 21-Feb-2017	Wednesday 22-Feb-2017	Thursday 23-Feb-2017	Friday 24-Feb-2017
09.00- 09.50	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
10.00- 10.50	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery
11.00- 11.50					
12.00- 13.30	Lunch	Lunch	Lunch	Lunch	Lunch
13.30- 15.30	<b>Introductory Session</b> Periampullary Malignancies <i>Özcan Gökçe</i>	The Systemic Response to Injury <i>Özcan Gökçe</i>	Evidence Based Medicine: Fluid and Electrolyte Therapy <i>Özcan Gökçe</i>	Physical Examination of Surgery Hydatid Disease of Liver – Liver Abscess and Tumors <i>Baki Ekçi</i>	Gastrointestinal Bleeding – Disorders of Coagulation <i>Öge Taşçılar</i>
15.30- 17.30	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
17.30-17:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

**Week II / 27 Feb.-03 Mar. 2017**

	<b>Monday 27-Feb-2017</b>	<b>Tuesday 28-Feb-2017</b>	<b>Wednesday 01-Mar-2017</b>	<b>Thursday 02-Mar-2017</b>	<b>Friday 03-Mar-2017</b>
<b>09.00- 09.50</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>
<b>10.00- 10.50</b>	<b>HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery</b>	<b>HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery</b>	<b>HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery</b>	<b>HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery</b>	<b>HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery</b>
<b>11.00- 11.50</b>					
<b>12.00- 13.30</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
<b>13.30- 15.30</b>	Hemostasis, Surgical Bleeding, and Transfusion <i>Öge Taşçılar</i>	Evidence Based Medicine: Acute Appendicitis <i>Baki Ekçi</i>	Disease of Thyroid Gland and Parathyroid Glands <i>Özcan Gökçe</i>	Evidence Based Medicine: Acute Abdomen – Peritonitis <i>Öge Taşçılar</i>	Colorectal Carcinoma – Anorectal Disease <i>Baki Ekçi</i>
<b>15.30- 17.30</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>
<b>17.30-17:50</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>

**Week III / 06-10 Mar. 2017**

	<b>Monday 06-Mar-2017</b>	<b>Tuesday 07-Mar-2017</b>	<b>Wednesday 08-Mar-2017</b>	<b>Thursday 09-Mar-2017</b>	<b>Friday 10-Mar-2017</b>
<b>09.00- 09.50</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>
<b>10.00- 10.50</b>	<b>HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery</b>	<b>HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery</b>	<b>HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery</b>	<b>HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery</b>	<b>HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery</b>
<b>11.00- 11.50</b>					
<b>12.00- 13.30</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
<b>13.30- 15.30</b>	<b>Evidence Based Medicine: Shock and its Treatment <i>Baki Ekçi</i></b>	<b>Evidence Based Medicine: Surgical Nutrition <i>Öge Taşçılar</i></b>	<b>Fluid and Electrolyte Therapy <i>Özcan Gökçe</i></b>	<b>Pancreatitis <i>Özcan Gökçe</i></b>	<b>Disease of the Adrenal Glands and Spleen Liver/Renal/Pancreas Transplantation <i>Özcan Gökçe</i></b>
<b>15.30- 17.30</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>
<b>17.30-17:50</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>



**Week IV / 13-17 Mar. 2017**

	<b>Monday 13-Mar-2017</b>	<b>Tuesday 14-Mar-2017</b>	<b>Wednesday 15-Mar-2017</b>	<b>Thursday 16-Mar-2017</b>	<b>Friday 17-Mar-2017</b>
<b>09.00- 09.50</b>	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
<b>10.00- 10.50</b>	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery
<b>11.00- 11.50</b>					
<b>12.00- 13.30</b>	Lunch	Lunch	Lunch	Lunch	Lunch
<b>13.30- 15.30</b>	Abdominal Trauma <i>Baki Ekçi</i>	Bening and Malignant Disease of the Stomach <i>Öge Taşçılar</i>	Disease of the Breast <i>Baki Ekçi</i>	Disease of the Gallbladder and Biliary Tree <i>Baki Ekçi</i>	Inflamatuvar Bowel Disease <i>Öge Taşçılar</i>
<b>15.30- 17.30</b>	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
<b>17.30-17:50</b>	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

**Week V / 20 Mar.-27 Mar. 2017**

	Monday 20-Mar-2017	Tuesday 21-Mar-2017	Wednesday 22-Mar-2017	Thursday 23-Mar-2017	Friday 24-Mar-2017	Monday 27-Mar-2017
09.00- 09.50	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Written Exam
10.00- 10.50	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	
11.00- 11.50						
12.00- 13.30	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
13.30- 15.30	Evidence Based Medicine: Wound Healing and Surgical Infections <i>Baki Ekçi</i>	Bening and Malignant Disease of the Oesophagus <i>Öge Taşçılar</i>	Evidence Based Medicine: Fluid and Electrolyte Therapy <i>Özcan Gökçe</i>	Evidence Based Medicine: Hernias <i>Baki Ekçi</i>	Intestinal Obstruction <i>Öge Taşçılar</i>	Oral Exam
15.30- 17.30	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	
17.30-17:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning	

### GENERAL SURGERY CLERKSHIP PROGRAM - Group B Week I / 03 Apr.-07 Apr. 2017

	Monday 03-Apr-2017	Tuesday 04-Apr-2017	Wednesday 05-Apr-2017	Thursday 06-Apr-2017	Friday 07-Apr-2017
09.00- 09.50	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
10.00- 10.50	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery
11.00- 11.50					
12.00- 13.30	Lunch	Lunch	Lunch	Lunch	Lunch
13.30- 15.30	<b>Introductory Session</b> Periampullary Malignancies <i>Özcan Gökçe</i>	The Systemic Response to Injury <i>Özcan Gökçe</i>	Evidence Based Medicine: Fluid and Electrolyte Therapy <i>Özcan Gökçe</i>	Physical Examination of Surgery Hydatid Disease of Liver – Liver Abscess and Tumors <i>Baki Ekçi</i>	Gastrointestinal Bleeding – Disorders of Coagulation <i>Öge Taşçılar</i>
15.30- 17.30	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
17.30-17:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

**Week II / 10 Apr-14 Apr. 2017**

	<b>Monday 10-Apr-2017</b>	<b>Tuesday 11-Apr-2017</b>	<b>Wednesday 12-Apr-2017</b>	<b>Thursday 13-Apr-2017</b>	<b>Friday 14-Apr-2017</b>
<b>09.00- 09.50</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>
<b>10.00- 10.50</b>	<b>HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery</b>	<b>HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery</b>	<b>HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery</b>	<b>HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery</b>	<b>HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery</b>
<b>11.00- 11.50</b>					
<b>12.00- 13.30</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
<b>13.30- 15.30</b>	Hemostasis, Surgical Bleeding, and Transfusion <i>Öge Taşçılar</i>	Evidence Based Medicine: Acute Appendicitis <i>Baki Ekçi</i>	Disease of Thyroid Gland and Parathyroid Glands <i>Özcan Gökçe</i>	Evidence Based Medicine: Acute Abdomen – Peritonitis <i>Öge Taşçılar</i>	Colorectal Carcinoma – Anorectal Disease <i>Baki Ekçi</i>
<b>15.30- 17.30</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>
<b>17.30-17:50</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>

**Week III / 17-21 Apr. 2017**

	<b>Monday 17-Apr-2017</b>	<b>Tuesday 18-Apr-2017</b>	<b>Wednesday 19-Apr-2017</b>	<b>Thursday 20-Apr-2017</b>	<b>Friday 21-Apr-2017</b>
<b>09.00- 09.50</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>
<b>10.00- 10.50</b>	<b>HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery</b>	<b>HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery</b>	<b>HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery</b>	<b>HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery</b>	<b>HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery</b>
<b>11.00- 11.50</b>					
<b>12.00- 13.30</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
<b>13.30- 15.30</b>	Evidence Based Medicine: Shock and its Treatment <i>Baki Ekçi</i>	Evidence Based Medicine: Surgical Nutrition <i>Öge Taşçılar</i>	Fluid and Electrolyte Therapy <i>Özcan Gökçe</i>	Pancreatitis <i>Özcan Gökçe</i>	Disease of the Adrenal Glands and Spleen Liver/Renal/Pancreas Transplantation <i>Özcan Gökçe</i>
<b>15.30- 17.30</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>
<b>17.30-17:50</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>

**Week IV / 24.Apr.-28 Apr. 2017**

	Monday 24-Apr-2017	Tuesday 25-Apr-2017	Wednesday 26-Apr-2017	Thursday 27-Apr-2017	Friday 28-Apr-2017
09.00- 09.50	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
10.00- 10.50	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery
11.00- 11.50					
12.00- 13.30	Lunch	Lunch	Lunch	Lunch	Lunch
13.30- 15.30	Abdominal Trauma <i>Baki Ekçi</i>	Bening and Malignant Disease of the Stomach <i>Öge Taşçılar</i>	Disease of the Breast <i>Baki Ekçi</i>	Disease of the Gallbladder and Biliary Tree <i>Baki Ekçi</i>	Inflamatuvar Bowel Disease <i>Öge Taşçılar</i>
15.30- 17.30	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
17.30-17:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

**Week V / 01.May.-08 May. 2017**

	Monday 01-May-2017	Tuesday 02-May-2017	Wednesday 03-May-2017	Thursday 04-May-2017	Friday 05-May-2017	Monday 08-May-2017
09.00- 09.50	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Written Exam
10.00- 10.50	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL Department of General Surgery	
11.00- 11.50						
12.00- 13.30	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
13.30- 15.30	Evidence Based Medicine: Wound Healing and Surgical Infections <i>Baki Ekçi</i>	Bening and Malignant Disease of the Oesophagus <i>Öge Taşçılar</i>	Evidence Based Medicine: Fluid and Electrolyte Therapy <i>Özcan Gökçe</i>	Evidence Based Medicine: Hernias <i>Baki Ekçi</i>	Intestinal Obstruction <i>Öge Taşçılar</i>	Oral Exam
15.30- 17.30	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	
17.30-17:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning	

**YEDİTEPE UNIVERSITY  
FACULTY OF MEDICINE  
PHASE IV**

**OBSTETRICS AND GYNECOLOGY**

**YEDİTEPE UNIVERSITY HOSPITAL**

**Head of the Department of Obstetrics and Gynecology: N. Cem Fıçıcıoğlu, MD. PhD. Prof.**

**Ü. Meral Aban, MD. Prof.**

**Selçuk Özden, MD. Prof.**

**Oluş Api, MD. Assoc. Prof.**

**Rukset Attar, MD. Assoc. Prof.**

**Gazi Yıldırım, MD. Assoc. Prof.**

**&**

**MINISTRY OF HEALTH**

**İSTANBUL ÜMRANİYE TRAINING AND RESEARCH HOSPITAL**

**Head of the Department of Obstetrics and Gynecology: Gürkan Kıran, MD. Prof.**



## **AIM AND LEARNING OBJECTIVES OF OBSTETRICS and GYNECOLOGY**

### **AIM**

Aim of this clerkship is to;

1. equip students with necessary knowledge, skills and attitudes required to do genital examination,
2. equip students with necessary knowledge, skills and attitudes required to do follow up of pregnancy period,
3. convey necessary knowledge on antenatal tests, normal spontaneous delivery, pathological situations about birth, high risk pregnancy, teratogenicity effects, ectopic pregnancy, contraception and contraceptive methods, gynecological cancers, breast and cervix cancer screening, menopause, osteoporosis, gynecological and obstetric operations,
4. equip students with necessary knowledge, skills and attitudes required to perform primary care medical practice in gynecology and obstetrics.

### **LEARNING OBJECTIVES**

At the end of this clerkship, student should be able to;

#### **KNOWLEDGE**

- 1.0. explain antenatal tests, normal spontaneous delivery, pathological situations about birth, high risk pregnancy, teratogenicity effects, ectopic pregnancy, contraception and contraceptive methods, gynecological cancers, breast and cervix cancer screening, menopause, osteoporosis, gynecological and obstetric operations.

#### **SKILLS**

- 2.1. take medical history about female genital system,
- 2.2. do systemic Physical Examination including female genital system.
- 3.0. do PAP smear tests
- 4.0 do breast and cervix cancer screening tests.
- 5.0 do menopause and osteoporosis screening tests

#### **ATTITUDES**

- 6.0 Approach with right attitude to Patients and their relatives
- 7.0 value doctor-Patient communication and Patient privacy
- 8.0 inform Patient and Patients' relatives with respect

## **COMPETENCIES**

- 9.1 do follow up of normal pregnancy period,
- 9.2 order necessary medical tests in pregnancy.
- 10.0 detect fetal cardiac activity (FCA)
- 11.1 perform antenatal tests like non-stress test (NST) and CST,
- 11.2 evaluate results.
- 12.1 follow and examine normal spontaneous vaginal birth,
- 12.2 detect complications of birth.
- 13.0 detect high risk pregnancies
- 14.1 detect ectopic pregnancies,
- 14.2 make differential diagnosis in acute abdominal pain.
- 15.1 guide Patients about appropriate usage of family planning and contraception methods
- 15.2 provide consultancy to Patients about family planning and contraception methods' usage
- 16.1 recognize emergency Patients' referral conditions
- 16.2 refer Patient safely to appropriate center upon indication
- 16.3 refer high-risk pregnancies to secondary or tertiary reference centers
- 16.4 refer Patients with menopause or osteoporosis to appropriate center upon indication
- 17.0 provide consultancy to Patients about teratogenicity effects in pregnancy.
- 18.0 provide consultancy to Patients about breast and cervix cancer screening.

## ASSESSMENT

*This table shows question types and assessment methods/tools used in training program.*

<b>Question Types (Pencil-Paper Tests)</b>	<b>Proportion (in Pencil-Paper Tests)</b>
Multiple Choice Questions	90%
Extended Matching Questions	5%
Key Features	5%
<b>Total</b>	<b>100%</b>
<b>Other Assessment Methods and Tools</b>	<b>Proportion (in Pass/Fail Decision)</b>
Structured Oral Exam (SOE)	40%
<b>Total</b>	<b>40%</b>
<b>Pass/Fail Decision</b>	<b>Proportion (in Pass/Fail Decision)</b>
Pencil-Paper Tests	60%
Other Assessment Methods and Tools	40%
<b>Total</b>	<b>100%</b>

## OBSTETRICS AND GYNECOLOGY CLERKSHIP PROGRAM - Group B / Week I 20-24 Feb.2017

	Monday 20-Feb-2017	Tuesday 21-Feb-2017	Wednesday 22-Feb-2017	Thursday 23-Feb-2017	Friday 24-Feb-2017
09.00- 09.50	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
10.00- 10.50	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology
11.00- 12.30					
12.30- 13.30	Lunch	Lunch	Lunch	Lunch	Lunch
13.30-15.30	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
15.30- 17.30	<b>Introductory Session</b> <i>Cem FIÇICIOĞLU</i>  <b>Lecture</b> Gynecology: and Overview Including Related Anatomy <i>Gazi YILDIRIM</i>	<b>Lecture</b> Ovarian Functions and its Neuro-Endocrine Control <i>Cem FIÇICIOĞLU</i>  <b>Lecture</b> Developmental Defects of the Female Reproductive Tract <i>Cem FIÇICIOĞLU</i>	<b>Lecture</b> Pediatric Gynecology, Puberty and Gynecological Disorders in Children and Adolescents <i>Rukset ATTAR</i>  <b>Lecture</b> Obstetrics: an Overview Including Related Anatomy <i>Oluş API</i>	<b>Lecture ans Case Discussion</b> Evidence Based Medicine: Aproaching to Endometriosis <i>Gazi YILDIRIM</i>  <b>Lecture</b> Hirsutismus <i>Gazi YILDIRIM</i>	<b>Lecture</b> Anovulation <i>Cem FIÇICIOĞLU</i>  <b>Lecture</b> Evidence Based Medicine: Ovulation Induction <i>Cem FIÇICIOĞLU</i>
17.30-18:00	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

**Group B / Week II 27 Feb-03 Mar. 2017**

	<b>Monday 27-Feb-2017</b>	<b>Tuesday 28-Feb-2017</b>	<b>Wednesday 01-Mar-2017</b>	<b>Thursday 02-Mar-2017</b>	<b>Friday 03-Mar-2017</b>
<b>09.00- 09.50</b>	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
<b>10.00- 12.30</b>	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology
<b>12.30- 13.30</b>	Lunch	Lunch	Lunch	Lunch	Lunch
<b>13.30-15.30</b>	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
<b>15.30- 17.30</b>	<b>Lecture</b> Evaluation of Infertile Couple <i>Cem FIÇICIOĞLU</i>  <b>Lecture</b> Assisted Reproductive Technologies <i>Cem FIÇICIOĞLU</i>	<b>Lecture</b> Menstrual Disorders, Amenorrhea <i>Rukset ATTAR</i>  <b>Lecture</b> Abnormal Uterine Bleeding <i>Rukset ATTAR</i>	<b>Lecture</b> Obstetric Ultrasound Examination <i>Oluş API</i>  <b>Lecture</b> High-risk Pregnancy: an Overview <i>Oluş API</i>	<b>Lecture</b> Gestational Trophoblastic Diseases <i>Gazi YILDIRIM</i>  <b>Lecture</b> Evidence Based Approaching to the Postmenopausal Hormone Treatment <i>Gazi YILDIRIM</i>	<b>Lecture</b> Perinatal Follow-Ups <i>Selçuk ÖZDEN</i>  <b>Lecture</b> Antenatal Screening Tests and Prenatal Diagnosis <i>Selçuk ÖZDEN</i>
<b>17.30-18:00</b>	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

**Group B / Week III 06-10 Mar. 2017**

	<b>Monday 06-Mar-2017</b>	<b>Tuesday 07-Mar-2017</b>	<b>Wednesday 08-Mar-2017</b>	<b>Thursday 09-Mar-2017</b>	<b>Friday 10-Mar-2017</b>
<b>09.00- 09.50</b>	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
<b>10.00- 10.50</b>	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology
<b>11.00- 12.30</b>					
<b>12.30- 13.30</b>	Lunch	Lunch	Lunch	Lunch	Lunch
<b>13.30-15.30</b>	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
<b>15.30- 17.30</b>	<b>Lecture</b> Trombophilia and Pregnancy <i>Selçuk ÖZDEN</i>  <b>Lecture</b> Clinical Embryology <i>Oya A. ALAGÖZ</i>	<b>Lecture</b> Complications of Early Pregnancy <i>Rukset ATTAR</i>  <b>Lecture</b> Ectopic Pregnancy <i>Rukset ATTAR</i>	<b>Lecture</b> Multiple Pregnancies <i>Oluş API</i>  <b>Lecture</b> Hematological Disorders and Pregnancy <i>Oluş API</i>	<b>Lecture</b> Pelvic Relaxation <i>Gazi YILDIRIM</i>  <b>Lecture</b> Uro-Gynecology <i>Gazi YILDIRIM</i>	<b>Lecture</b> Intrauterine Growth Restriction <i>Selçuk ÖZDEN</i>  <b>Lecture</b> Evidence Based Assessment of Fetal Well-Being <i>Selçuk ÖZDEN</i>
<b>17.30-18:00</b>	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

**Group B / Week IV 13-17 Mar. 2017**

	<b>Monday 13- Mar-2017</b>	<b>Tuesday 14- Mar-2017</b>	<b>Wednesday 15- Mar-2017</b>	<b>Thursday 16- Mar-2017</b>	<b>Friday 17- Mar-2017</b>
<b>09.00- 09.50</b>	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
<b>10.00- 10.50</b>	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology
<b>11.00- 12.30</b>					
<b>12.30- 13.30</b>	Lunch	Lunch	Lunch	Lunch	Lunch
<b>13.30-15.30</b>	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
<b>15.30- 17.30</b>	<b>Lecture</b> Hormonal Disorders and Pregnancy <i>Oluş API</i>  <b>Lecture</b> Nutrition İn Pregnancy and Pre- Gestational and Gestational Diabetes <i>Oluş API</i>	<b>Lecture</b> Bleeding in the Third Trimester <i>Rukset ATTAR</i>  <b>Lecture</b> Postpartum Bleeding <i>Rukset ATTAR</i>	<b>Lecture</b> Perinatal Infections <i>Oluş API</i>  <b>Lecture</b> Rh Isoimmunisation <i>Oluş API</i>	<b>Lecture</b> Pharmacology&Drug Therapy-in Gynecology <i>Ferda Kaleağasıoğlu</i> <b>Lecture</b> Pharmacology&Drug Therapy-in Obstetrics <i>Ferda Kaleağasıoğlu</i>	<b>Lecture</b> Preterm Premature Rupture of Membranes <i>Selçuk ÖZDEN</i> <b>Lecture</b> Puerperium and Puerperal Infections <i>Selçuk ÖZDEN</i>
<b>17.30-18:00</b>	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

### Group B / Week V 20-24 Mar. 2017

	Monday 20- Mar-2017	Tuesday 21- Mar-2017	Wednesday 22- Mar-2017	Thursday 23- Mar-2017	Friday 24- Mar-2017
09.00- 09.50	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
10.00- 10.50	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology
11.00- 12.30					
12.30- 13.30	Lunch	Lunch	Lunch	Lunch	Lunch
13.30-15.30	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
15.30- 17.30	<b>Lecture</b> Hypertensive Disorders and Pregnancy <i>Oluş API</i>  <b>Lecture</b> Cardiovascular Diseases and Pregnancy <i>Oluş API</i>	<b>Lecture</b> Operative Labor and Cesarean Section <i>Rukset ATTAR</i>  <b>Lecture</b> Vulvo-Vaginitis <i>Rukset ATTAR</i>	<b>Lecture</b> Normal Labor <i>Oluş API</i>  <b>Lecture</b> Abnormal <i>Oluş API</i>	<b>Lecture</b> Benign Disorders of Vulva and Vagina <i>Rukset ATTAR</i>  <b>Lecture</b> Benign Disorders of Uterus, Fallopian Tubes and Ovaries <i>Rukset ATTAR</i>	<b>Lecture</b> Pre-invasive Cervical Neoplasm <i>Meral ABAN</i>  <b>Lecture</b> Cervix Carcinoma <i>Meral ABAN</i>
17.30-18:00	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning



**Group B / Week VI 27-31 Mar. 2017**

	<b>Monday 27- Mar-2017</b>	<b>Tuesday 28- Mar-2017</b>	<b>Wednesday 29- Mar-2017</b>	<b>Thursday 30- Mar-2017</b>	<b>Friday 31- Mar-2017</b>
<b>09.00- 09.50</b>	Clinical Experience	Clinical Experience			<b>Written Examination</b>
<b>10.00- 10.50</b>	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	Independent Learning	Independent Learning	<b>Oral Examination</b>
<b>11.00- 12.30</b>					
<b>12.30- 13.30</b>	Lunch	Lunch			
<b>13.30-15.30</b>	Clinical Experience	Clinical Experience			
<b>15.30- 17.30</b>	<b>Lecture</b> Malignant Disorders of Uterus, Endometrium Carcinoma <i>Meral ABAN</i>  <b>Lecture</b> Vulvovaginal Carcinoma <i>Meral ABAN</i>	<b>Lecture</b> Gynecological Malignancies and Pregnancy <i>Meral ABAN</i>  <b>Lecture</b> Malignant Ovarian Tumors and Malignant Disorders of Fallopian Tubes <i>Meral ABAN</i>	Independent Learning	Independent Learning	
<b>17.30-18:00</b>	Independent Learning	Independent Learning	Independent Learning	Independent Learning	

## OBSTETRICS AND GYNECOLOGY CLERKSHIP PROGRAM - Group A / Week I 01-05 May. 2017

	Monday 01-May-2017	Tuesday 02- May-2017	Wednesday 03- May-2017	Thursday 04- May-2017	Friday 05- May-2017
09.00- 09.50	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
10.00- 10.50	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology
11.00- 12.30					
12.30- 13.30	Lunch	Lunch	Lunch	Lunch	Lunch
13.30-15.30	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
15.30- 17.30	<b>Introductory Session</b> <i>Cem FIÇICIOĞLU</i>  <b>Lecture</b> Gynecology: an Overview Including Related Anatomy <i>Gazi YILDIRIM</i>	<b>Lecture</b> Ovarian Functions and its Neuro-Endocrine Control <i>Cem FIÇICIOĞLU</i>  <b>Lecture</b> Developmental Defects of the Female Reproductive Tract <i>Cem FIÇICIOĞLU</i>	<b>Lecture</b> Pediatric Gynecology, Puberty and Gynecological Disorders in Children and Adolescents  <i>Rukset ATTAR</i>  <b>Lecture</b> Obstetrics: an Overview Including Related Anatomy <i>Oluş API</i>	<b>Lecture and Case Discussion</b> Evidence Based Medicine: Approaching to Endometriosis <i>Gazi YILDIRIM</i>  <b>Lecture</b> Hirsutismus <i>Gazi YILDIRIM</i>	<b>Lecture</b> Anovulation <i>Cem FIÇICIOĞLU</i>  <b>Lecture</b> Evidence Based Medicine: Ovulation induction <i>Cem FIÇICIOĞLU</i>
17.30-18:00	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

**Group A / Week II 08-12 May. 2017**

	<b>Monday 08- May-2017</b>	<b>Tuesday 09- May-2017</b>	<b>Wednesday 10- May-2017</b>	<b>Thursday 11- May-2017</b>	<b>Friday 12- May-2017</b>
<b>09.00- 09.50</b>	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
<b>10.00- 12.30</b>	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology
<b>12.30- 13.30</b>	Lunch	Lunch	Lunch	Lunch	Lunch
<b>13.30-15.30</b>	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
<b>15.30- 17.30</b>	<b>Lecture</b> Evaluation of Infertile Couple <i>Cem FIÇICIOĞLU</i>  <b>Lecture</b> Assisted Reproductive Technologies <i>Cem FIÇICIOĞLU</i>	<b>Lecture</b> Menstrual Disorders, Amenorrhea <i>Rukset ATTAR</i>  <b>Lecture</b> Abnormal Uterine Bleeding <i>Rukset ATTAR</i>	<b>Lecture</b> Obstetric Ultrasound Examination <i>Oluş API</i>  <b>Lecture</b> High-risk Pregnancy: an Overview <i>Oluş API</i>	<b>Lecture</b> Gestational Trophoblastic Diseases <i>Gazi YILDIRIM</i>  <b>Lecture</b> Evidence Based Aproaching to the Postmenopausal Hormone Treatment <i>Gazi YILDIRIM</i>	<b>Lecture</b> Perinatal Follow-Ups and Evidence Based Assessment of Fetal Well-Being <i>Selçuk ÖZDEN</i>  <b>Lecture</b> Antenatal Screening Tests and Prenatal Diagnosis <i>Selçuk ÖZDEN</i>
<b>17.30-18:00</b>	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

**Group A / Week III 15-19 May. 2017**

	Monday 15- May-2017	Tuesday 16- May-2017	Wednesday 17- May-2017	Thursday 18- May-2017	Friday 19- May-2017
09.00- 09.50	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	NATIONAL HOLIADAY
10.00- 10.50	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	
11.00- 12.30					
12.30- 13.30	Lunch	Lunch	Lunch	Lunch	
13.30-15.30	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	
15.30- 17.30	Lecture Trombophilia and Pregnancy <i>Selçuk ÖZDEN</i>	Lecture Complications of Early Pregnancy <i>Rukset ATTAR</i>	Lecture Multiple Pregnancies <i>Oluş API</i>	Lecture Pelvic Relaxation <i>Gazi YILDIRIM</i>	
	Lecture Clinical Embryology <i>Oya A. ALAGÖZ</i>	Lecture Ectopic Pregnancy <i>Rukset ATTAR</i>	Lecture Hematological Disorders and Pregnancy <i>Oluş API</i>	Lecture Uro-Gynecology <i>Gazi YILDIRIM</i>	
17.30-18:00	Independent Learning	Independent Learning	Independent Learning	Independent Learning	

**Group A / Week IV 22-26 May. 2017**

	<b>Monday 22- May-2017</b>	<b>Tuesday 23- May-2017</b>	<b>Wednesday 24- May-2017</b>	<b>Thursday 25- May-2017</b>	<b>Friday 26- May-2017</b>
<b>09.00- 09.50</b>	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
<b>10.00- 10.50</b>	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology
<b>11.00- 12.30</b>					
<b>12.30- 13.30</b>	Lunch	Lunch	Lunch	Lunch	Lunch
<b>13.30-15.30</b>	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
<b>15.30- 17.30</b>	<b>Lecture</b> Hormonal Disorders and Pregnancy <i>Oluş API</i>  <b>Lecture</b> Nutrition in Pregnancy and Pre-Gestational and Gestational Diabetes <i>Oluş API</i>	<b>Lecture</b> Bleeding in the Third Trimester <i>Rukset ATTAR</i>  <b>Lecture</b> Postpartum Bleeding <i>Rukset ATTAR</i>	<b>Lecture</b> Perinatal Infections <i>Oluş API</i>  <b>Lecture</b> Rh Isoimmunisation <i>Oluş API</i>	<b>Lecture</b> Pharmacology&Drug Therapy-in Gynecology <i>Ferda KALEAĞASIOĞLU</i>  <b>Lecture</b> Pharmacology&Drug Therapy-in Obstetrics <i>Ferda KALEAĞASIOĞLU</i>	<b>Lecture</b> Preterm Premature Rupture of Membranes Intrauterine Growth Restriction <i>Selçuk ÖZDEN</i>  <b>Lecture</b> Puerperium and Puerperal Infections <i>Selçuk ÖZDEN</i>
<b>17.30-18:00</b>	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

**Group A / Week V 29 May-02 Jun. 2017**

	<b>Monday 29- May-2017</b>	<b>Tuesday 30- May-2017</b>	<b>Wednesday 31- May-2017</b>	<b>Thursday 01-Jun-2017</b>	<b>Friday 02-Jun-2017</b>
<b>09.00- 09.50</b>	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
<b>10.00- 10.50</b>	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology
<b>11.00- 12.30</b>					
<b>12.30- 13.30</b>	Lunch	Lunch	Lunch	Lunch	Lunch
<b>13.30-15.30</b>	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
<b>15.30- 17.30</b>	<b>Lecture</b> Hypertensive Disorders and Pregnancy <i>Oluş API</i>  <b>Lecture</b> Cardiovascular Diseases and Pregnancy <i>Oluş API</i>	<b>Lecture</b> Operative Labor and Cesarean Section <i>Rukset ATTAR</i>  <b>Lecture</b> Vulvo-Vaginitis <i>Rukset ATTAR</i>	<b>Lecture</b> Normal Labor <i>Oluş API</i>  <b>Lecture</b> Abnormal Labor – Distocia <i>Oluş API</i>	<b>Lecture</b> Benign Disorders of Vulva and Vagina <i>Rukset ATTAR</i>  <b>Lecture</b> Benign Disorders of Uterus, Fallopian Tubes and Ovaries <i>Rukset ATTAR</i>	<b>Lecture</b> Pre-Invasive Cervical Neoplasia <i>Meral ABAN</i>  <b>Lecture</b> Cervix Carcinoma <i>Meral ABAN</i>
<b>17.30-18:00</b>	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

**Group A / Week VI 05 Jun-09 Jun. 2017**

	Monday 05-Jun-2017	Tuesday 06- Jun-2017	Wednesday 07- Jun-2017	Thursday 08- Jun-2017	Friday 09- Jun-2017
09.00- 09.50	Clinical Experience	Clinical Experience	Independent Learning	Independent Learning	Written Examination
10.00- 10.50	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology			Oral Examination
11.00- 12.30					
12.30- 13.30	Lunch	Lunch			
13.30-15.30	Clinical Experience	Clinical Experience			
15.30- 17.30	<b>Lecture</b> Malignant Disorders of Uterus, Endometrium Carcinoma <i>Meral ABAN</i>	<b>Lecture</b> Gynecological Malignancies and Pregnancy <i>Meral ABAN</i>			
	<b>Lecture</b> Vulvovaginal Carcinoma <i>Meral ABAN</i>	<b>Lecture</b> Malignant Ovarian Tumors and Malignant Disorders of Fallopian Tubes <i>Meral ABAN</i>			
17.30-18:00	Independent Learning	Independent Learning			

**YEDİTEPE UNIVERSITY  
FACULTY OF MEDICINE  
PHASE IV**

**CARDIOLOGY**

**YEDİTEPE UNIVERSITY HOSPITAL**

**Muzaffer Murat Değertekin, MD.Prof.**

**Olca Özveren, MD. Assist. Prof.**

**Ayça Türer, MD.**

**Mustafa Aytek Şimşek, MD.**

**&**

**KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL**

**Gökhan Kahveci, MD. Assoc. Prof.**

**Mehmet Emin Kalkan, MD. Assoc. Prof.**

**Taylan Akgün, MD Assoc. Prof.**

**Mustafa Bulut, MD**



## **AIM AND LEARNING OBJECTIVES OF CARDIOLOGY**

### **AIM**

Aim of this clerkship is to;

1. equip students with necessary knowledge, skills and attitudes required to Approach to cardiac Patient,
2. equip students with necessary knowledge, skills and attitudes required to deliver preventive healthcare measures,
3. equip students with necessary knowledge, skills and attitudes required to achieve diagnosis and differential diagnosis of cardiac diseases,
4. equip students with necessary knowledge, skills and attitudes required to apply primary care prophylaxis and treatment to cardiac Patients,
5. equip students with necessary knowledge, skills and attitudes required to refer cardiac Patients to advanced healthcare units upon indication.

### **LEARNING OBJECTIVES**

At the end of this clerkship, student should be able to;

#### **KNOWLEDGE**

- 1.0. observe and explain;
  - 1.1 cardiac echocardiography
  - 1.2 pericardiocentesis
  - 1.3 cardiac catheterization and coronary angiography
  - 1.4 Holter ECG monitoring
  - 1.5 cardiac exercise test
  - 1.6 ambulatory blood pressure monitoring
  - 1.7 electrophysiological study and pacemaker implantation

#### **SKILLS**

- 2.0 take detailed, relevant history of cardiac Patient
- 3.0 perform detailed Physical Examination of cardiac Patient
- 4.0 supply basic life support to cardiac Patient
- 5.0 evaluate peripheral pulses
- 6.0 evaluate blood pressure of Patient

#### **COMPETENCIES**

- 7.0 assess and diagnose electrocardiographic findings
- 8.0. evaluate serum electrolytes, renal function tests, hepatic function tests and thyroid function tests, cardiac biomarkers
- 9.0. assess chest x-rays
- 10.0 perform and evaluate results of

- 10.1 diagnosis of acute cardiac disorders
- 10.2 cardiac auscultation
- 10.3 measurement of blood pressure by sphygmomanometry
- 10.4 cardiac monitoring and ECG

## **ATTITUDES**

- 11.0 assimilate principles of
- 11.1 respecting for Patient rights and obtaining well-balanced relations with Patients' relatives
- 11.2 maintaining good relations with colleagues and teaching staff, being analytical and research orientated
- 11.3 maintaining good relations with other health care workers
- 11.4 asking for consultation
- 11.5 using written and on-line sources correctly
- 11.6 giving clear and concise information about Patient's condition to Patient and relatives
- 11.7 obeying infection control regulations when working at inPatient and outPatient clinics

## ASSESSMENT

*This table shows question types and assessment methods/tools used in training program.*

<b>Question Types (Pencil-Paper Tests)</b>	<b>Proportion (in Pencil-Paper Tests)</b>
Multiple Choice Questions	100%
<b>Total</b>	<b>100 %</b>
<b>Other Assessment Methods and Tools</b>	<b>Proportion (in Other Assessments Methods and Tools)</b>
Oral Exam (OE)	40%
Evaluation of Preparation Skills of Patient's File	10%
<b>Total</b>	<b>50 %</b>
<b>Pass/Fail Decision</b>	<b>Proportion (in Pass/Fail Decision)</b>
Pencil-Paper Tests	50%
Other Assessment Methods and Tools	50%
<b>Total</b>	<b>100 %</b>

## CARDIOLOGY CLERKSHIP PROGRAM - GROUP A / Week I 14 - 18.Nov.2016

	Monday 14-Nov-2016				Tuesday 15-Nov-2016				Wednesday 16-Nov-2016				Thursday 17-Nov-2016				Friday 18-Nov-2016			
08.30-12.00	Cardiology Practise KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL				Cardiology Practise KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL				Cardiology Practise KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL				Cardiology Practise KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL				Cardiology Practise KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL			
	Group A1	Group A2	Group A3	Group A4	Group A1	Group A2	Group A3	Group A4	Group A1	Group A2	Group A3	Group A4	Group A1	Group A2	Group A3	Group A4	Group A1	Group A2	Group A3	Group A4
	Echo-lab.	OutPatient	Intensive care	Emergency	Echo-lab	OutPatient	Intensive care	Emergency	OutPatient	Intensive care	Emergency	Echo-lab	OutPatient	Intensive care	Emergency	Echo-lab	Intensive care	Emergency	Echo-lab	OutPatient
12.50-13.50	Introduction to Cardiology Training Program <i>Muzaffer Değertekin</i> <b>Lecture</b> Cardiovascular Examination <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				<b>Lecture</b> Approach to the Patient with Chest Pain <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				<b>Lecture</b> Non-ST Elevation Myocardial Infarction/Unstable Angina <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				<b>Lecture</b> Heart Failure I <i>Olçay Özveren</i> <i>Ayça Türer</i>				<b>Lecture</b> Mitral Valve Diseases <i>Olçay Özveren</i>			
14.00- 14.50	<b>Lecture</b> Clinical Electrocardiography I <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				<b>Lecture</b> ST Elevation Myocardial Infarction I <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				<b>Lecture</b> Chronic Coronary Artery Disease <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				<b>Lecture</b> Heart Failure II <i>Olçay Özveren</i> <i>Ayça Türer</i>				<b>Lecture</b> Aortic Valve Diseases <i>Olçay Özveren</i>			
15.00- 15.50	<b>Lecture</b> Clinical Electrocardiography II <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				<b>Lecture</b> ST Elevation Myocardial Infarction II <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				<b>Lecture</b> Percutaneous Coronary and Valvular Interventions <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				<b>Lecture</b> Diagnosis and Management of Acute Heart Failure <i>Olçay Özveren</i> <i>Ayça Türer</i>				<b>Lecture</b> Tricuspid and Pulmonary Valve Diseases <i>Olçay Özveren</i>			
16.00-17.00	Independent Learning				Independent Learning				Independent Learning				Independent Learning				Independent Learning			

**GROUP A / Week II 21 - 25.Nov.2016**

	Monday 21-Nov-2016				Tuesday 22-Nov-2016				Wednesday 23-Nov-2016				Thursday 24-Nov-2016	Friday 25-Nov-2016
08.30-12.00	Cardiology Practise KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL				Cardiology Practise KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL				Cardiology Practise KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL				Lecture Dilated, Restrictive and Infiltrative Cardiomyopathies <i>Olçay Özveren</i> <i>Ayça Türer</i> Lecture Hypertrophic Cardiomyopathy <i>Olçay Özveren</i> <i>Ayça Türer</i>	Written Examination  and  Oral Examination   YEDİTEPE UNIVERSITY HOSPITAL Muzaffer Değertekin Olçay Özveren Ayça Türer Mustafa Aytek Şimşek
	Group A1	Group A2	Group A3	Group A4	Group A1	Group A2	Group A3	Group A4	Group A1	Group A2	Group A3	Group A4		
	Echo-lab.	OutPatient	Intensive care	Emergency	Echo-lab	OutPatient	Intensive care	Emergency	OutPatient	Intensive care	Emergency	Echo-lab		
13.00-13.50	Lecture Rheumatic Fever <i>Olçay Özveren</i> <i>Ayça Türer</i>				Lecture Tachyarrhythmias <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				Lecture Syncope <i>Olçay Özveren</i> <i>Mustafa Aytek Şimşek</i>				Independent Learning	
14.00- 14.50	Lecture Infective Endocarditis <i>Olçay Özveren</i> <i>Ayça Türer</i>				Lecture Tachyarrhythmias <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				Lecture Sudden Cardiac Death <i>Olçay Özveren</i> <i>Mustafa Aytek Şimşek</i>				Independent Learning	
15.00- 15.50	Lecture Pericardial Diseases <i>Olçay Özveren</i> <i>Ayça Türer</i>				Lecture Bradyarrhythmias and Heart Blocks <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				Lecture Cardiac Pacemakers and Implantable Cardiac Defibrillators <i>Olçay Özveren</i> <i>Mustafa Aytek Şimşek</i>				Independent Learning	
16.00-17.00	Independent Learning				Independent Learning				Independent Learning				Independent Learning	

**GROUP B / Week I 06 - 10.Feb.2016**

	<b>Monday 06-Feb-2017</b>				<b>Tuesday 07-Feb-2017</b>				<b>Wednesday 08-Feb-2017</b>				<b>Thursday 09-Feb-2017</b>				<b>Friday 10-Feb-2017</b>			
<b>08.30-12.00</b>	Cardiology Practise <b>KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL</b>				Cardiology Practise <b>KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL</b>				Cardiology Practise <b>KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL</b>				Cardiology Practise <b>KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL</b>				Cardiology Practise <b>KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL</b>			
	<b>Group A1</b>	<b>Group A2</b>	<b>Group A3</b>	<b>Group A4</b>	<b>Group A1</b>	<b>Group A2</b>	<b>Group A3</b>	<b>Group A4</b>	<b>Group A1</b>	<b>Group A2</b>	<b>Group A3</b>	<b>Group A4</b>	<b>Group A1</b>	<b>Group A2</b>	<b>Group A3</b>	<b>Group A4</b>	<b>Group A1</b>	<b>Group A2</b>	<b>Group A3</b>	<b>Group A4</b>
	Echo-lab.	OutPatient	Intensive care	Emergency	Echo-lab	OutPatient	Intensive care	Emergency	OutPatient	Intensive care	Emergency	Echo-lab	OutPatient	Intensive care	Emergency	Echo-lab	Intensive care	Emergency	Echo-lab	OutPatient
<b>12.50-13.50</b>	Introduction to Cardiology Training Program <i>Muzaffer Değertekin</i> <b>Lecture</b> Cardiovascular Examination <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				<b>Lecture</b> Approach to the Patient with Chest pain <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				<b>Lecture</b> Non-ST Elevation Myocardial Infarction/Unstable Angina <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				<b>Lecture</b> Heart Failure I <i>Olçay Özveren</i> <i>Ayça Türer</i>				<b>Lecture</b> Mitral Valve Diseases <i>Olçay Özveren</i>			
<b>14.00- 14.50</b>	<b>Lecture</b> Clinical Electrocardiography <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				<b>Lecture</b> ST Elevation Myocardial Infarction <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				<b>Lecture</b> Chronic Coronary Artery Disease <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				<b>Lecture</b> Heart Failure II <i>Olçay Özveren</i> <i>Ayça Türer</i>				<b>Lecture</b> Aortic Valve Diseases <i>Olçay Özveren</i>			
<b>15.00- 15.50</b>	<b>Lecture</b> Clinical Electrocardiography <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				<b>Lecture</b> ST Elevation Myocardial Infarction <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				<b>Lecture</b> Percutaneous Coronary and Valvular Interventions <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				<b>Lecture</b> Diagnosis and Management of Acute Heart Failure <i>Olçay Özveren</i> <i>Ayça Türer</i>				<b>Lecture</b> Tricuspid and Pulmonary Valve Diseases <i>Olçay Özveren</i>			
<b>16.00-17.00</b>	<b>Independent Learning</b>				<b>Independent Learning</b>				<b>Independent Learning</b>				<b>Independent Learning</b>				<b>Independent Learning</b>			

**GROUP B / Week II 13 - 17.Feb.2016**

	<b>Monday 13-Feb-2017</b>				<b>Tuesday 14-Feb-2017</b>				<b>Wednesday 15-Feb-2017</b>				<b>Thursday 16-Feb-2017</b>	<b>Friday 17-Feb-2017</b>
<b>08.30-12.00</b>	Cardiology Practise <b>KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL</b>				Cardiology Practise <b>KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL</b>				Cardiology Practise <b>KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL</b>				<b>Lecture</b> Dilated, Restrictive and Infiltrative Cardiomyopathies <i>Olçay Özveren</i> <i>Ayça Türer</i> <b>Lecture</b> Hypertrophic Cardiomyopathy <i>Olçay Özveren</i> <i>Ayça Türer</i>	<b>Written Examination and Oral Examination</b>  <b>YEDİTEPE UNIVERSITY HOSPITAL</b> <b>Muzaffer Değertekin</b> <b>Olçay Özveren</b> <b>Ayça Türer</b> <b>Mustafa Aytek Şimşek</b>
	<b>Group A1</b>	<b>Group A2</b>	<b>Group A3</b>	<b>Group A4</b>	<b>Group A1</b>	<b>Group A2</b>	<b>Group A3</b>	<b>Group A4</b>	<b>Group A1</b>	<b>Group A2</b>	<b>Group A3</b>	<b>Group A4</b>		
	Echo-lab.	OutPatient	Intensive care	Emergency	Echo-lab	OutPatient	Intensive care	Emergency	OutPatient	Intensive care	Emergency	Echo-lab		
<b>13.00-13.50</b>	<b>Lecture</b> Rheumatic Fever <i>Olçay Özveren</i> <i>Ayça Türer</i>				<b>Lecture</b> Tachyarrhythmias <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				<b>Lecture</b> Syncope <i>Olçay Özveren</i> <i>Mustafa Aytek Şimşek</i>				Independent Learning	
<b>14.00- 14.50</b>	<b>Lecture</b> Infective Endocarditis <i>Olçay Özveren</i> <i>Ayça Türer</i>				<b>Lecture</b> Tachyarrhythmias <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				<b>Lecture</b> Sudden Cardiac Death <i>Olçay Özveren</i> <i>Mustafa Aytek Şimşek</i>				Independent Learning	
<b>15.00- 15.50</b>	<b>Lecture</b> Pericardial Diseases <i>Olçay Özveren</i> <i>Ayça Türer</i>				<b>Lecture</b> Bradyarrhythmias and Heart Blocks <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				<b>Lecture</b> Cardiac Pacemakers and Implantable Cardiac Defibrillators <i>Olçay Özveren</i> <i>Mustafa Aytek Şimşek</i>				Independent Learning	
<b>16.00-17.00</b>	Independent Learning				Independent Learning				Independent Learning				Independent Learning	

**YEDİTEPE UNIVERSITY  
FACULTY OF MEDICINE  
PHASE IV**

**CARDIOVASCULAR SURGERY**

**YEDİTEPE UNIVERSITY HOSPITAL**

Bora Farsak, MD, Prof. (Head of Department)

Soner Sanioğlu, MD, Assoc. Prof. (Coordinator)

Halit Yerebakan, MD, Assist. Prof.

**&**

**KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL**

Murat Bülent Rabuş, MD, Assoc. Prof.

Mehmet Yanartaş, MD, Assoc. Prof.

Emin Onur Yerlikhan, MD.



# AIM AND LEARNING OBJECTIVES OF CARDIOVASCULAR SURGERY

## AIM

Aim of this clerkship is to;

1. **convey** necessary knowledge on the Approach to evaluation of Patients undergoing cardiovascular surgery, surgical methods of treatment, surgical indications and optimal timing for treatment,
2. **equip** students with necessary knowledge, skills and attitudes required to evaluate possibilities of morbidity and mortality that may occur with these methods,
3. **equip** students with necessary knowledge, skills and attitudes required to do interventions to distinguish emergency cases.

## LEARNING OBJECTIVES

*At the end of this clerkship, student should be able to;*

### KNOWLEDGE

- 1.0. define anatomy of cardiovascular system
- 2.0. explain physiology of extracorporeal circulation, techniques and protection of myocardium, brain and spinal cord.
- 3.0. assess signs and symptoms, differential diagnoses and treatments of coronary and valvular heart diseases
- 4.0. assess signs and symptoms, differential diagnoses and treatments of aortic aneurysm and aortic dissection
- 5.0. explain signs and symptoms of large vessel injuries, peripheral arterial diseases, carotid occlusive disease, venous lymphatic system, and congenital (cyanotic and non-cyanotic) heart diseases,
- 6.0. list surgical options for cardiac insufficiency
- 7.0. explain cardiac tumors and pericardial disease
- 8.0 assess sign and symptoms of VTE and explain treatment and prophylaxis of VTE

### SKILLS

- 8.1. do Physical Examination and laboratory studies available,
- 8.2. evaluate pre-diagnosis and differential diagnosis, current treatment steps.

### ATTITUDES

- 9.0. respect Patient-doctor communication and Patient privacy,
- 10.0. take history with good communication and behaving in a good manner towards Patient and Patients' relatives.
- 11.0. value importance of informing Patient and Patients' relatives.

## ASSESSMENT

*This table shows question types and assessment methods/tools used in training program.*

<b>Question Types (Pencil-Paper Tests)</b>	<b>Proportion (in Pass/Fail Decision)</b>
Multiple Choice Questions	35%
<b>Total</b>	<b>35%</b>
<b>Other Assessment Methods and Tools</b>	<b>Proportion (in Pass/Fail Decision)</b>
Oral Exam (OE)	35%
Final Grade; perceived and appreciated by the training supervisors at outher educational hospitals (practical training).	30%
<b>Total</b>	<b>65 %</b>
<b>Pass/Fail Decision</b>	<b>Proportion (in Pass/Fail Decision)</b>
Pencil-Paper Tests	35%
Other Assessments Methods and Tools	65%
<b>Total</b>	<b>100 %</b>

### CARDIOVASCULAR SURGERY CLERKSHIP PROGRAM - GROUP A / Week I 17–21 Apr. 2017

	Monday 17-Apr-2017				Tuesday 18-Apr-2017				Wednesday 19-Apr-2017				Thursday 20-Apr-2017				Friday 21-Apr-2017			
08.30- 12.00	<b>Clinical Experience KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL</b>				<b>Clinical Experience KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL</b>				<b>Clinical Experience KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL</b>				<b>Clinical Experience KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL</b>				<b>Clinical Experience KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL</b>			
	Group A1	Group A2	Group A3	Group A4	Group A1	Group A2	Group A3	Group A4	Group A1	Group A2	Group A3	Group A4	Group A1	Group A2	Group A3	Group A4	Group A1	Group A2	Group A3	Group A4
	Surgical	OutPatient	Intensive care	Emergency	Surgical	OutPatient	Intensive care	Emergency	OutPatient	Intensive care	Emergency	Surgical	OutPatient	Intensive care	Emergency	Surgical	Intensive care	Emergency	Surgical	OutPatient
13.30-14.15	<b>Lecture</b> Introductory Course History of Cardiovascular Surgery <i>Bora Farsak</i>				<b>Lecture</b> Extracorporeal Circulation and Organ Protection <i>Halit Yerebakan</i>				<b>Lecture</b> Surgical Treatment of Valvular Heart Disease <i>Soner Sanioğlu</i>				<b>Lecture</b> Aortic Aneurysm and Aortic Dissection <i>Soner Sanioğlu</i>				<b>Lecture</b> Surgical Treatment of Heart Failure <i>Halit Yerebakan</i>			
14.30- 15.15	<b>Lecture</b> Anatomy of Heart and Great Vessels <i>Bora Farsak</i>				<b>Lecture</b> Surgical Treatment of Coronary Artery Disease <i>Bora Farsak</i>				<b>Lecture</b> Surgical Treatment of Valvular Heart Disease <i>Soner Sanioğlu</i>				<b>Lecture</b> Heart and Great Vessels Injuries <i>Halit Yerebakan</i>				<b>Lecture</b> Cardiac Neoplasms and Pericardial Disease <i>Halit Yerebakan</i>			
15.30- 16.00	<b>Discussion</b> <i>Bora Farsak</i>				<b>Discussion</b> <i>Bora Farsak</i>				<b>Discussion</b> <i>Soner Sanioğlu</i>				<b>Discussion</b> <i>Halit Yerebakan</i>				<b>Discussion</b> <i>Halit Yerebakan</i>			
16.00-17.00	<b>Independent Learning</b>				<b>Independent Learning</b>				<b>Independent Learning</b>				<b>Independent Learning</b>				<b>Independent Learning</b>			

**GROUP A / Week II 24–28 Apr.2017**

	Monday 24-Apr-2017				Tuesday 25-Apr-2017				Wednesday 26-Apr-2017				Thursday 27-Apr-2017	Friday 28-Apr-2017
08.30-12.00	Clinical Experience KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL				Clinical Experience KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL				Clinical Experience KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL				Written Examination (09.00-12.00)	Oral Examination (09.00-12.00)
	Group A1	Group A2	Group A3	Group A4	Group A1	Group A2	Group A3	Group A4	Group A1	Group A2	Group A3	Group A4		
	Intensive care	Emergency	Surgical	OutPatient	Emergency	Surgical	OutPatient	Intensive care	Emergency	Surgical	OutPatient	Intensive care		
13.30-14.15	Lecture Congenital Heart Disease – Acyanotic <i>Halit Yerebeka</i>				Lecture Peripheric Arterial Disease <i>Bora Farsak</i>				Lecture Venous and Lymphatic System Disease <i>Soner Sanoğlu</i>					
14.30-15.15	Lecture Congenital Heart Disease – Cyanotic <i>Halit Yerebeka</i>				Lecture Carotid Oclusive Disease <i>Soner Sanoğlu</i>				Lecture Prophylaxis Diagnosis and Treatment of VTE <i>Soner Sanoğlu</i>					
15.30-16.00	Discussion <i>Halit Yerebeka</i>				Discussion <i>Soner Sanoğlu</i>				Discussion <i>Soner Sanoğlu</i>					
16.00-17.00	Independent Learning				Independent Learning				Independent Learning					

### CARDIOVASCULAR SURGERY CLERKSHIP PROGRAM - GROUP B / Week I 29.May-02 Jun. 2017

	Monday 29-May-2017				Tuesday 30-May-2017				Wednesday 31-May-2017				Thursday 01-Jun-2017				Friday 02-Jun-2017			
08-30- 12-00	Clinical Experience KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL				Clinical Experience KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL				Clinical Experience KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL				Clinical Experience KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL				Clinical Experience KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL			
	Group B1	Group B2	Group B3	Group B4	Group B1	Group B2	Group B3	Group B4	Group B1	Group B2	Group B3	Group B4	Group B1	Group B2	Group B3	Group B4	Group B1	Group B2	Group B3	Group B4
	Surgical	OutPatient	Intensive care	Emergency	Surgical	OutPatient	Intensive care	Emergency	OutPatient	Intensive care	Emergency	Surgical	OutPatient	Intensive care	Emergency	Surgical	Intensive care	Emergency	Surgical	OutPatient
13-30-14-15	<b>Lecture</b> Introductory Course History of Cardiovascular Surgery <i>Bora Farsak</i>				<b>Lecture</b> Extracorporeal Circulation and Organ Protection <i>Halit Yerebakan</i>				<b>Lecture</b> Surgical Treatment of Valvular Heart Disease <i>Soner Sanioğlu</i>				<b>Lecture</b> Aortic aneurysm and Aortic Dissection <i>Soner Sanioğlu</i>				<b>Lecture</b> Surgical Treatment of Heart Failure <i>Halit Yerebakan</i>			
14-30- 15-15	<b>Lecture</b> Anatomy of Heart and Great Vessels <i>Bora Farsak</i>				<b>Lecture</b> Surgical Treatment of Coronary Artery Disease <i>Bora Farsak</i>				<b>Lecture</b> Surgical Treatment of Valvular Heart Disease <i>Soner Sanioğlu</i>				<b>Lecture</b> Heart and Great Vessels Injuries <i>Halit Yerebakan</i>				<b>Lecture</b> Cardiac Neoplasms and Pericardial Disease <i>Halit Yerebakan</i>			
15-30- 16-00	<b>Discussion</b> <i>Bora Farsak</i>				<b>Discussion</b> <i>Bora Farsak</i>				<b>Discussion</b> <i>Soner Sanioğlu</i>				<b>Discussion</b> <i>Halit Yerebakan</i>				<b>Discussion</b> <i>Halit Yerebakan</i>			
16-00-17-00	Independent Learning				Independent Learning				Independent Learning				Independent Learning				Independent Learning			

**GROUP B / Week II 05–09 Jun. 2017**

	Monday 05-Jun-2017				Tuesday 06-Jun-2017				Wednesday 07-Jun-2017				Thursday 08-Jun-2017	Friday 09-Jun-2017
08-30- 12-00	Clinical Experience KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL				Clinical Experience KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL				Clinical Experience KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL				Written Examination (09-00-12-00)	Oral Examination (09-00-12-00)
	Group B1	Group B2	Group B3	Group B4	Group B1	Group B2	Group B3	Group B4	Group B1	Group B2	Group B3	Group B4		
	Intensive care	Emergency	Surgical	OutPatient	Emergency	Surgical	OutPatient	Intensive care	Emergency	Surgical	OutPatient	Intensive care		
13-30-14-15	Lecture Congenital Heart Disease – Acyanotic <i>Halit Yerebeka</i>				Lecture Peripheric Arterial Disease <i>Soner Sanioğlu</i>				Lecture Venous and Lymphatic System Disease <i>Soner Sanioğlu</i>					
14-30- 15-15	Lecture Congenital Heart Disease – Cyanotic <i>Halit Yerebeka</i>				Lecture Carotid occlusive Disease <i>Soner Sanioğlu</i>				Lecture Prophylaxis Diagnosis and Treatment of VTE <i>Soner Sanioğlu</i>					
15-30- 16-00	Discussion <i>Halit Yerebeka</i>				Discussion <i>Soner Sanioğlu</i>				Discussion <i>Soner Sanioğlu</i>					
16-00-17-00	Independent Learning				Independent Learning				Independent Learning					

**YEDİTEPE UNIVERSITY**  
**FACULTY OF MEDICINE**  
**PHASE IV**

**PLASTIC, RECONSTRUCTIVE AND AESTHETIC SURGERY**

**YEDİTEPE UNIVERSITY HOSPITAL**

**Uğur Anıl Bingöl, MD. Assist. Prof. (Coordinator)**

## **AIM AND LEARNING OBJECTIVES OF PLASTIC, RECONSTRUCTIVE AND AESTHETIC SURGERY**

### **AIM**

Aim of this clerkship is to;

1. convey necessary knowledge on diagnosis differential diagnosis and surgical treatment options of congenital anomalies, skin lesions, oncologic surgery and reconstruction, burns, hand surgery, facial and oral surgery and trauma,
2. equip students with necessary knowledge, skills and attitudes required to recognize clinical conditions in primary care and decide treatment,
3. equip students with necessary knowledge, skills and attitudes required to refer Patient to advanced healthcare units upon indication.

### **LEARNING OBJECTIVES**

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

#### **KNOWLEDGE**

- 1.1 summarize stages of systemic response to trauma,
- 1.2. assess intervention to traumatized Patient.
- 2.0. explain theoretical knowledge in detail about wound healing, treatment options of open wounds,
- 3.0. explain types of burns, classification, diagnosis and initial interventions for treatment
- 4.0. explain fluid.electrolyte balance.
- 5.0. discuss basics of blood transfusion, hemostasis and coagulation.
- 6.0. define prophylaxis and treatment options of surgical site infections.
- 7.1. assess existing signs and symptoms of emergency Patients,
- 7.2. evaluate pre.diagnosis and differential diagnosis and treatment steps.
- 7.3. select available laboratory or imaging tests
- 8.0. explain etiopathogenesis, signs and symptoms, differential diagnosis and surgical treatment options of congenital anomalies,
- 9.1. assess signs and symptoms, differential diagnosis and treatment options of surgical diseases of breast,
- 9.2. select necessary tests for breast cancer and other mammary diseases.
- 10.0. assess signs and symptoms, differential diagnoses and surgical treatments of face and jaw diseases,
- 11.1. assess signs and symptoms, differential diagnosis and surgical treatment options of extremity diseases,
- 11.2. distinguish need for emergency surgery
- 12.0. comment on basic principles of surgical oncology and oncologic reconstruction

#### **SKILLS**

- 13.0. do Physical Examination of emergency Patients,
- 14.0. do neurological examination of cranial nerves,



- 15.0. do breast examination,
- 16.0. use proper suture techniques,

### **ATTITUDES**

- 17.0. respect Patient.doctor communication and Patient privacy,
- 18.0. take history with good communication and behaving in a good manner towards Patient and Patient relatives.
- 19.0. value importance of informing Patient and Patient's relatives.
- 20.1. refer Patient to further health care centers when necessary,
- 20.2. value providing appropriate transport conditions in accordance with regulations.

### **COMPETENCIES**

- 21.0. manage open wounds in accordance with principles of wound care and dressing,
- 22.0. do basic suture up,
- 23.0. diagnose and drain simply localized abscess or hematoma.
- 24.1. distinguish and diagnose surgical diseases,
- 24.2. distinguish treatment options applicable at primary health care centers,
- 24.3. assess indications for transport of Patient to further health care centers
- 24.4. determine appropriate transport conditions.

## ASSESSMENT

*This table shows question types and assessment methods/tools used in training program.*

<b>Question Types (Pencil.Paper Tests)</b>	<b>Proportion (in Pass/Fail Decision)</b>
Multiple Choice Questions	50%
Extended Matching Questions	10%
Key Features	10%
Essay Questions	10%
Short Response Essay Questions	10%
Essay Questions (with pictures)	10%
<b>Total</b>	<b>100 %</b>
<b>Other Assessment Methods and Tools</b>	<b>Proportion (in Other Assessments Methods and Tools)</b>
Oral Exam (OE)	40%
Mini Clinical Evaluation Exercise (Mini.CEX)	40%
Global Evaluation of Student's Performance (Without Checklist)	20%
<b>Total</b>	<b>100 %</b>
<b>Pass/Fail Decision</b>	<b>Proportion (in Pass/Fail Decision)</b>
Pencil.Paper Tests	50%
Other Assessments Methods and Tools	50%
<b>Total</b>	<b>100 %</b>

**PLASTIC, RECONSTRUCTIVE AND AESTHETIC SURGERY GROUP A2 / Week I 28 Mar.05 Apr. 2017**

	Tuesday 28.03.2017	Wednesday 29.03.2017	Thursday 30.03.2017	Friday 31.03.2017	Monday 03.04.2017	Tuesday 04.04.2017	Wednesday 05.04.2017
	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Independent Learning
09.00-10.20	<b>Lecture</b> Scope of Plastic Surgery <i>Lecturer</i>	Independent Learning	<b>Lecture</b> Burn and Reconstructive Surgery <i>Uğur Anıl Bingöl</i>	Skin Graft and Flap <i>Lecturer</i>	<b>Lecture</b> Principles of Hand Surgery <i>Uğur Anıl Bingöl</i>	Independent Learning	Written Examination
10.30-12.00	<b>Lecture</b> Cosmetic Surgery <i>Lecturer</i>	Independent Learning	<b>Lecture</b> Burn and Reconstructive Surgery <i>Uğur Anıl Bingöl</i>	<b>Lecture</b> Skin Graft and Flap <i>Lecturer</i>	<b>Lecture</b> Maxillofacial Trauma <i>Uğur Anıl Bingöl</i>	Independent Learning	Oral Examination
13.00-17.00	<b>Lecture</b> Breast Cancer, Treatment Options & Breast Reconstruction <i>Lecturer</i>	Independent Learning	<b>Lecture</b> Wound Healing <i>Uğur Anıl Bingöl</i>	<b>Lecture</b> Cleft Lip and Palate <i>Lecturer</i>	<b>Lecture</b> Skin Cancer <i>Uğur Anıl Bingöl</i>	Independent Learning	
	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning	

**PLASTIC, RECONSTRUCTIVE AND AESTHETIC SURGERY GROUP A1 / Week II 06.07 Apr. 2017**

	Thursday 06.04.2017	Friday 07.04.2017	Monday 10.04.2017	Tuesday 11.04.2017	Wednesday 12.04.2017	Thursday 13.04.2017	Friday 14.04.2017
	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Independent Learning
09.00 -10.20	<b>Lecture</b> Scope of Plastic Surgery <i>Lecturer</i>	<b>Lecture</b> Wound Healing <i>Uğur Anıl Bingöl</i>	<b>Lecture</b> Breast Cancer, Treatment Options & Breast Reconstruction <i>Lecturer</i>	<b>Lecture</b> Burn and Reconstructive Surgery <i>Uğur Anıl Bingöl</i>	<b>Lecture</b> Skin Graft and Flap <i>Lecturer</i>	<b>Lecture</b> Principles of Hand Surgery <i>Uğur Anıl Bingöl</i>	Written Examination
10.30-12.00	<b>Lecture</b> Cosmetic Surgery <i>Lecturer</i>	<b>Lecture</b> Skin Cancer <i>Uğur Anıl Bingöl</i>	<b>Lecture</b> Cleft Lip and Palate <i>Lecturer</i>	<b>Lecture</b> Burn and Reconstructive Surgery <i>Uğur Anıl Bingöl</i>	<b>Lecture</b> Skin Graft and Flap <i>Lecturer</i>	<b>Lecture</b> Maxillofacial Trauma <i>Uğur Anıl Bingöl</i>	Oral Examination
13.00-17.00	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning	
	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning	

**PLASTIC, RECONSTRUCTIVE AND AESTHETIC SURGERY GROUP B2 / Week II 06-07 Apr. 2017**

	Tuesday 09.05.2017	Wednesday 10.05.2017	Thursday 11.05.2017	Friday 12.05.2017	Monday 15.05.2017	Tuesday 16.05.2017	Wednesday 17.05.2017
	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Independent Learning
09.00 -10.20	<b>Lecture</b> Scope of Plastic Surgery <i>Lecturer</i>	Independent Learning	<b>Lecture</b> Burn and Reconstructive Surgery <i>Uğur Anıl Bingöl</i>	<b>Lecture</b> Skin Graft and Flap <i>Lecturer</i>	<b>Lecture</b> Principles of Hand Surgery <i>Uğur Anıl Bingöl</i>	Independent Learning	Written Examination
10.30-12.00	<b>Lecture</b> Cosmetic Surgery <i>Lecturer</i>	Independent Learning	<b>Lecture</b> Burn and Reconstructive Surgery <i>Uğur Anıl Bingöl</i>	<b>Lecture</b> Skin Graft and Flap <i>Lecturer</i>	<b>Lecture</b> Maxillofacial Trauma <i>Uğur Anıl Bingöl</i>	Independent Learning	Oral Examination
13.00-17.00	<b>Lecture</b> Breast Cancer, Treatment Options & Breast Reconstruction <i>Lecturer</i>	Independent Learning	<b>Lecture</b> Wound Healing <i>Uğur Anıl Bingöl</i>	<b>Lecture</b> Cleft Lip and Palate <i>Lecturer</i>	<b>Lecture</b> Skin Cancer <i>Uğur Anıl Bingöl</i>	Independent Learning	

**PLASTIC, RECONSTRUCTIVE AND AESTHETIC SURGERY GROUP B1 / Week II 06-07 Apr. 2017**

	<b>Thursday 18.05.2017</b>	<b>Friday 19.05.2017</b>	<b>Monday 22.05.2017</b>	<b>Tuesday 23.05.2017</b>	<b>Wednesday 24.05.2017</b>	<b>Thursday 25.05.2017</b>	<b>Friday 26.05.2017</b>
	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Clinical Experience</b>	<b>Independent Learning</b>
<b>09.00-10.20</b>	<b>Lecture</b> Scope of Plastic Surgery <i>Lecturer</i>	<b>NATIOANAL HOLIDAY</b>	<b>Lecture</b> Burn and Reconstructive Surgery <i>Uğur Anıl Bingöl</i>	<b>Lecture</b> Skin Graft and Flap <i>Lecturer</i>	<b>Lecture</b> Principles of Hand Surgery <i>Uğur Anıl Bingöl</i>	<b>Lecture</b> Skin Graft and Flap <i>Lecturer</i>	Written examination
<b>10.30-12.00</b>	<b>Lecture</b> Cosmetic Surgery <i>Lecturer</i>		<b>Lecture</b> Burn and Reconstructive Surgery <i>Uğur Anıl Bingöl</i>	<b>Lecture</b> Skin Graft and Flap <i>Lecturer</i>	<b>Lecture</b> Maxillofacial Trauma <i>Uğur Anıl Bingöl</i>	<b>Lecture</b> Skin Graft and Flap <i>Lecturer</i>	Oral examination
<b>13.00-17.00</b>	<b>Lecture</b> Breast Cancer, Treatment Options & Breast Reconstruction <i>Lecturer</i>		<b>Lecture</b> Wound Healing <i>Uğur Anıl Bingöl</i>	<b>Lecture</b> Cleft Lip and Palate <i>Lecturer</i>	<b>Lecture</b> Skin Cancer <i>Uğur Anıl Bingöl</i>	<b>Lecture</b> Cleft Lip and Palate <i>Lecturer</i>	
	<b>Independent Learning</b>		<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	

**YEDİTEPE UNIVERSITY**  
**FACULTY OF MEDICINE**  
**PHASE IV**

**THORACIC SURGERY**

**YEDİTEPE UNIVERSITY HOSPITAL**

Head of theDepartment of Thoracic Surgery : Sina Ercan, MD. Prof.

&

**SÜREYYAPAŞA THORACIC DISEASES AND THORACIC SURGERY TRAINING AND RESEARCH  
HOSPITAL**

İrfan Yalçınkaya, MD. Assoc. Prof

Cansel A. Öztürk, MD. Assoc. Prof

S. Çağatay Tezel, MD. Assoc. Prof

S. Volkan Baysungur, MD. Assoc. Prof.

A. Levent Alpay, MD. Assoc. Prof

Hakan Kırıl, MD. Assoc. Prof

# **AIM AND LEARNING OBJECTIVES OF THORACIC SURGERY**

## **AIM**

Aim of this clerkship is to;

1. equip students with necessary knowledge, skills and attitudes required to recognize emergencies of major airways, pulmonary vascular structures, and other frequent pathologies,
2. equip students with necessary knowledge, skills and attitudes required to complete initial workup to confirm diagnosis,
3. equip students with necessary knowledge, skills and attitudes required to organize initial treatment as well as arranging quick transfer to a next level health center when needed,
4. provide students with necessary theoretical and practical training.

## **LEARNING OBJECTIVES**

At the end of this clerkship, student should be able to;

### **KNOWLEDGE**

- 1.0. define anatomy of structures related to thoracic surgery including lungs, thoracic wall, mediastinum, major airways and esophagus,
- 2.0. define necessary workup and invasive procedures in accordance with preliminary diagnosis
- 3.1. evaluate treatment options for Patient according to preliminary diagnosis,
- 3.2. select appropriate treatment option for Patient
- 4.0. define findings of shock in Patients with tension pneumothorax, hemoptysis, or trauma
- interpret basic concepts regarding blood transfusion, hemostasis, and coagulation
- 5.0. recognize contemporary techniques and technologies used in thoracic surgery
- 6.0. interpret basic principles of surgical oncology

### **SKILLS**

- 7.0. perform Physical Examination of a normal respiratory system and upper digestive system
- 8.0. perform needle decompression of tension pneumothorax
- 9.0. assess Mallampaty level of Patient for a safe airway
- 10.0. locate appropriate point of drainage on Patient, according to chest x-ray findings

### **ATTITUDES**

- 11.0. realize physician's responsibilities to provide counseling and education to Patient and Patient's relatives regarding general health screening and surveillances (such as smoking cessation, colonoscopy, mammography, etc.) according to Patient's sex, age and race if appropriate.
- 12.0. respect Patient-doctor communication and Patient privacy
- 13.0. obtain complete history with appropriate communication skills and behaving in a good manner towards Patient and Patient's relatives.
- 14.0. value providing appropriate transport conditions in accordance with regulations.

### **COMPETENCIES**

- 15.0. plan basic Approach and treatment to traumatized patient.
- 16.0. plan initial management and workup tests of Patient presented with respiratory insufficiency
- 17.0. do preliminary diagnosis in thoracic pathologies by going over differential diagnosis
- 18.0. realize importance of providing necessary information to Patient or Patient's relatives
- 19.0. manage postoperative wound care and dressing
- 20.1. do follow-up postoperative Patients according to vital parameters, fluid and electrolyte balance, and surgical drain outputs,
- 20.2. interpret correctly postoperative chest x-rays in order to plan appropriate management
- 21.0. refer Patient to further health care centers upon indication



## ASSESSMENT

*This table shows question types and assessment methods/tools used in training program.*

<b>Question Types (Pencil.Paper Tests)</b>	<b>Proportion (in Pass/Fail Decision)</b>
Multiple Choice Questions	45%
<b>Total</b>	<b>45%</b>
<b>Other Assessment Methods and Tools</b>	<b>Proportion (in Pass/Fail Decision)</b>
Oral Exam (OE)	50%
Objective Structured Clinical Exam (OSCE)	5%
<b>Total</b>	
<b>Pass/Fail Decision</b>	<b>Proportion (in Pass/Fail Decision)</b>
Pencil.Paper Tests	45%
Other Assessments Methods and Tools	55%
<b>Total</b>	<b>100%</b>

THORACIC SURGERY - Group A1							
	Tuesday 28.Mar.2017	Wednesday 29.Mar.2017	Thursday 30.Mar.2017	Friday 31.Mar.2017	Monday 03.Apr.2017	Tuesday 04.Apr.2016	Wednesday 05.04.2017
08.00-08.45	<b>Introductory Session</b> Welcome & Acquaintance “Introduction to Thoracic Surgery” İrfan Yalçinkaya	<b>Clinical Experience</b> InPatient Volkan Baysungur	<b>Clinical Skills Training</b> Performing Needle Thoracentesis on a Mannequin with a Tension Pneumothorax Çağatay Tezel	<b>Clinical Experience</b> InPatient Cansel Öztürk	<b>Clinical Experience</b> InPatient Hakan Kiral	<b>Clinical Experience</b> Surgical Levent Alpay	<b>Independent Learning</b> Preparation for the Exam
09.00-09.45	<b>Lecture</b> Interventional Procedures in Thoracic Surgery İrfan Yalçinkaya	<b>Lecture</b> Pneumothorax Radiology Volkan Baysungur	<b>Clinical Skills Training Assessment Session</b> Çağatay Tezel	<b>Clinical Experience</b> InPatient Cansel Öztürk	<b>Clinical Experience</b> InPatient Hakan Kiral	<b>Clinical Experience</b> Surgical Levent Alpay	
10.00-10.45	<b>Case Presentation (Faculty)</b> İrfan Yalçinkaya	<b>Case Presentation (Faculty)</b> Volkan Baysungur	<b>Case Presentation (Faculty)</b> Çağatay Tezel	<b>Case Presentation (Faculty)</b> Cansel Öztürk	<b>Clinical Experience</b> Surgical Hakan Kiral	<b>Clinical Experience</b> Surgical Levent Alpay	
11.00-11.45	<b>Clinical Experience</b> Surgical İrfan Yalçinkaya	<b>Clinical Experience</b> Surgical Volkan Baysungur	<b>Clinical Experience</b> Surgical Çağatay Tezel	<b>Case Presentation (Faculty)</b> Cansel Öztürk	<b>Clinical Experience</b> Surgical Hakan Kiral	<b>Clinical Experience</b> Surgical Levent Alpay	
12.00-13.00	Lunch						
13.00-13.45	<b>Lecture</b> Surgical Anatomy with Surface Landmarks and Thoracic Incisions Cansel Öztürk	<b>Lecture</b> Radiological Evaluation of Thoracic Surgery Çağatay Tezel	<b>Lecture</b> Spontaneous Pneumothorax and Bullous Disorders Volkan Baysungur	<b>Lecture</b> Lung Cancers and Other Tumors of Lung Cansel Öztürk	<b>Lecture</b> Surgical Treatment of the Pathologies of Pleural Cavity Volkan Baysungur	<b>Lecture</b> Video.Assisted Thoracoscopic Surgery & Robotic Surgery in Thoracic Diseases Levent Alpay	Written Exam
14.00-14.45	<b>Lecture</b> Preoperative Evaluation and Diagnostic Procedures in Thoracic Surgery Volkan Baysungur	<b>Lecture</b> Hemoptysis Hakan Kiral	<b>Lecture</b> Thoracic Trauma I Hakan Kiral	<b>Lecture</b> Hydatic Cyst of the Lung Levent Alpay	<b>Lecture</b> Chest Wall Diseses and Surgical Treatment Çağatay Tezel	<b>Lecture</b> Diaphragmatic Disorders İrfan Yalçinkaya	Oral Exam
15.00-15.45	<b>Lecture</b> Surgical Pathologies of Trachea and their Treatment Sina Ercan	<b>Lecture</b> Tracheobronchial & Esophageal Foreign Bodies Levent Alpay	<b>Lecture</b> Thoracic Trauma II Hakan Kiral	<b>Lecture</b> Benign Lung Diseases Çağatay Tezel	<b>Lecture</b> Mediastinal Diseases and Surgical Treatment Cansel Öztürk	<b>Lecture</b> Esophageal Diseases and Surgical Treatment İrfan Yalçinkaya	
16.00-16.45	<b>Observing Invasive Procedures</b> Volkan Baysungur	<b>Observing Invasive Procedures</b> Levent Alpay	<b>Observing Invasive Procedures</b> Hakan Kiral	<b>Observing Invasive Procedures</b> Çağatay Tezel	<b>Observing Invasive Procedures</b> Cansel Öztürk	<b>Program Evaluation Session</b> İrfan Yalçinkaya	

THORACIC SURGERY - Group A2							
	Thursday 06.Apr.2017	Friday 07.Apr.2017	Monday 10.Apr.2017	Tuesday 11.Apr.2017	Wednesday 12.Apr.2017	Thursday 13.Apr.2016	Friday 14.04.2017
08.00-08.45	<b>Introductory Session</b> Welcome & Acquaintance “Introduction to Thoracic Surgery” İrfan Yalçinkaya	<b>Clinical Experience</b> InPatient Volkan Baysungur	<b>Clinical Skills Training</b> Performing Needle Thoracentesis on a Mannequin with a Tension Pneumothorax Çağatay Tezel	<b>Clinical Experience</b> InPatient Cansel Öztürk	<b>Clinical Experience</b> InPatient Hakan Kırıl	<b>Clinical Experience</b> Surgical Levent Alpay	<b>Independent Learning</b> Preparation for the Exam
09.00-09.45	<b>Lecture</b> Interventional Procedures in Thoracic Surgery İrfan Yalçinkaya	<b>Lecture</b> Pneumothorax Radiology Volkan Baysungur	<b>Clinical Skills Training Assessment Session</b> Çağatay Tezel	<b>Case Presentation (Faculty)</b> Cansel Öztürk	<b>Clinical Experience</b> InPatient Hakan Kırıl	<b>Clinical Experience</b> Surgical Levent Alpay	
10.00-10.45	<b>Case Presentation (Faculty)</b> İrfan Yalçinkaya	<b>Case Presentation (Faculty)</b> Volkan Baysungur	<b>Case Presentation (Faculty)</b> Çağatay Tezel	<b>Clinical Experience</b> Surgical Cansel Öztürk	<b>Clinical Experience</b> Surgical Hakan Kırıl	<b>Clinical Experience</b> Surgical Levent Alpay	
11.00-11.45	<b>Clinical Experience</b> Surgical İrfan Yalçinkaya	<b>Case Presentation (Faculty)</b> Volkan Baysungur	<b>Clinical Experience</b> Surgical Çağatay Tezel	<b>Clinical Experience</b> Surgical Cansel Öztürk	<b>Clinical Experience</b> Surgical Hakan Kırıl	<b>Clinical Experience</b> Surgical Levent Alpay	
12.00-13.00	Lunch						
13.00-13.45	<b>Lecture</b> Surgical Anatomy with Surface Landmarks and Thoracic Incisions Cansel Öztürk	<b>Lecture</b> Radiological Evaluation of Thoracic Surgery Çağatay Tezel	<b>Lecture</b> Spontaneous Pneumothorax and Bullous Disorders Volkan Baysungur	<b>Lecture</b> Lung Cancers and Other Tumors of Lung Cansel Öztürk	<b>Lecture</b> Surgical Treatment of the Pathologies of Pleural Cavity Volkan Baysungur	<b>Lecture</b> Video.Assisted Thoracoscopic Surgery & Robotic Surgery in Thoracic Diseases Levent Alpay	<b>Written Exam</b>
14.00-14.45	<b>Lecture</b> Preoperative Evaluation and Diagnostic Procedures in Thoracic Surgery Volkan Baysungur	<b>Lecture</b> Hemoptysis Hakan Kırıl	<b>Lecture</b> Thoracic Trauma I Hakan Kırıl	<b>Lecture</b> Hydatic Cyst of the Lung Levent Alpay	<b>Lecture</b> Chest Wall Diseses and Surgical Treatment Çağatay Tezel	<b>Lecture</b> Diaphragmatic Disorders İrfan Yalçinkaya	<b>Oral Exam</b>
15.00-15.45	<b>Lecture</b> Surgical Pathologies of Trachea and their Treatment Sina Ercan	<b>Lecture</b> Tracheobronchial & Esophageal Foreign Bodies Levent Alpay	<b>Lecture</b> Thoracic Trauma II Hakan Kırıl	<b>Lecture</b> Benign Lung Diseases Çağatay Tezel	<b>Lecture</b> Mediastinal Diseases and Surgical Treatment Cansel Öztürk	<b>Lecture</b> Esophageal Diseases and Surgical Treatment İrfan Yalçinkaya	
16.00-16.45	<b>Observing Invasive Procedures</b> Volkan Baysungur	<b>Observing Invasive Procedures</b> Levent Alpay	<b>Observing Invasive Procedures</b> Hakan Kırıl	<b>Observing Invasive Procedures</b> Çağatay Tezel	<b>Observing Invasive Procedures</b> Cansel Öztürk	<b>Program Evaluation Session</b> İrfan Yalçinkaya	

THORACIC SURGERY - Group B1							
	Tuesday 09.May.2017	Wednesday 10.May.2017	Thursday 11.May.2017	Friday 12.May.2017	Monday 15.May.2017	Tuesday 16.May.2016	Wednesday 17.05.2017
08.00-08.45	<b>Introductory Session</b> Welcome & Acquaintance “Introduction to Thoracic Surgery” İrfan Yalçinkaya	<b>Clinical Experience</b> InPatient Volkan Baysungur	<b>Clinical Skills Training</b> Performing Needle Thoracentesis on a Mannequin with a Tension Pneumothorax Çağatay Tezel	<b>Clinical Experience</b> InPatient Cansel Öztürk	<b>Clinical Experience</b> InPatient Hakan Kırıl	<b>Clinical Experience</b> Surgical Levent Alpay	<b>Independent Learning</b> Preparation for the Exam
09.00-09.45	<b>Lecture</b> Interventional Procedures in Thoracic Surgery İrfan Yalçinkaya	<b>Lecture</b> Pneumothorax Radiology Volkan Baysungur	<b>Clinical Skills Training Assessment Session</b> Çağatay Tezel	<b>Clinical Experience</b> InPatient Cansel Öztürk	<b>Clinical Experience</b> InPatient Hakan Kırıl	<b>Clinical Experience</b> Surgical Levent Alpay	
10.00-10.45	<b>Case Presentation (Faculty)</b> İrfan Yalçinkaya	<b>Case Presentation (Faculty)</b> Volkan Baysungur	<b>Case Presentation (Faculty)</b> Çağatay Tezel	<b>Case Presentation (Faculty)</b> Cansel Öztürk	<b>Clinical Experience</b> Surgical Hakan Kırıl	<b>Clinical Experience</b> Surgical Levent Alpay	
11.00-11.45	<b>Clinical Experience</b> Surgical İrfan Yalçinkaya	<b>Clinical Experience</b> Surgical Volkan Baysungur	<b>Clinical Experience</b> Surgical Çağatay Tezel	<b>Case Presentation (Faculty)</b> Cansel Öztürk	<b>Clinical Experience</b> Surgical Hakan Kırıl	<b>Clinical Experience</b> Surgical Levent Alpay	
12.00-13.00	Lunch						
13.00-13.45	<b>Lecture</b> Surgical Anatomy with Surface Landmarks and Thoracic Incisions Cansel Öztürk	<b>Lecture</b> Radiological Evaluation of Thoracic Surgery Çağatay Tezel	<b>Lecture</b> Spontaneous Pneumothorax and Bullous Disorders Volkan Baysungur	<b>Lecture</b> Lung Cancers and Other Tumors of Lung Cansel Öztürk	<b>Lecture</b> Surgical Treatment of the Pathologies of Pleural Cavity Volkan Baysungur	<b>Lecture</b> Video.Assisted Thoracoscopic Surgery & Robotic Surgery in Thoracic Diseases Levent Alpay	<b>Written Exam</b>
14.00-14.45	<b>Lecture</b> Preoperative Evaluation and Diagnostic Procedures in Thoracic Surgery Volkan Baysungur	<b>Lecture</b> Hemoptysis Hakan Kırıl	<b>Lecture</b> Thoracic Trauma I Hakan Kırıl	<b>Lecture</b> Hydatic Cyst of the Lung Levent Alpay	<b>Lecture</b> Chest Wall Diseses and Surgical Treatment Çağatay Tezel	<b>Lecture</b> Diaphragmatic Disorders İrfan Yalçinkaya	<b>Oral Exam</b>
15.00-15.45	<b>Lecture</b> Surgical Pathologies of Trachea and their Treatment Sina Ercan	<b>Lecture</b> Tracheobronchial & Esophageal Foreign Bodies Levent Alpay	<b>Lecture</b> Thoracic Trauma II Hakan Kırıl	<b>Lecture</b> Benign Lung Diseases Çağatay Tezel	<b>Lecture</b> Mediastinal Diseases and Surgical Treatment Cansel Öztürk	<b>Lecture</b> Esophageal Diseases and Surgical Treatment İrfan Yalçinkaya	
16.00-16.45	<b>Observing Invasive Procedures</b> V. Baysungur	<b>Observing Invasive Procedures</b> Levent Alpay	<b>Observing Invasive Procedures</b> Hakan Kırıl	<b>Observing Invasive Procedures</b> Çağatay Tezel	<b>Observing Invasive Procedures</b> C. Öztürk	<b>Program Evaluation Session</b> İ. Yalçinkaya	

THORACIC SURGERY . Group B2							
	Thursday 18.May.2017	Friday 19.May.2017	Monday 22.May.2017	Tuesday 23.May.2017	Wednesday 24.May.2017	Thursday 25.May.2016	Friday 26.05.2017
08.00-08.45	<b>Introductory Session</b> Welcome & Acquaintance “Introduction to Thoracic Surgery” İrfan Yalçinkaya	Holiday	<b>Clinical Skills Training</b> Performing Needle Thoracentesis on a Mannequin with a Tension Pneumothorax Çağatay Tezel	<b>Clinical Experience InPatient</b> Cansel Öztürk	<b>Clinical Experience InPatient</b> Hakan Kiral	<b>Clinical Experience Surgical</b> Levent Alpay	Independent Learning Preparation for the Exam
09.00-09.45	<b>Lecture</b> Interventional Procedures in Thoracic Surgery İrfan Yalçinkaya	Holiday	<b>Clinical Skills Training Assessment Session</b> Çağatay Tezel	<b>Case Presentation (Faculty)</b> Cansel Öztürk	<b>Clinical Experience InPatient</b> Hakan Kiral	<b>Clinical Experience Surgical</b> Levent Alpay	
10.00-10.45	<b>Case Presentation (Faculty)</b> İrfan Yalçinkaya	Holiday	<b>Case Presentation (Faculty)</b> Çağatay Tezel	<b>Clinical Experience Surgical</b> Cansel Öztürk	<b>Clinical Experience Surgical</b> Hakan Kiral	<b>Clinical Experience Surgical</b> Levent Alpay	
11.00-11.45	<b>Clinical Experience Surgical</b> İrfan Yalçinkaya	Holiday	<b>Clinical Experience Surgical</b> Çağatay Tezel	<b>Clinical Experience Surgical</b> Cansel Öztürk	<b>Clinical Experience Surgical</b> Hakan Kiral	<b>Clinical Experience Surgical</b> Levent Alpay	
12.00-13.00	Lunch						
13.00-13.45	<b>Lecture</b> Surgical Anatomy with Surface Landmarks and Thoracic Incisions Cansel Öztürk	Holiday	<b>Lecture</b> Spontaneous Pneumothorax and Bullous Disorders Volkan Baysungur	<b>Lecture</b> Lung Cancers and Other Tumors of Lung Cansel Öztürk	<b>Lecture</b> Pneumothorax Radiology Volkan Baysungur	<b>Lecture</b> Video.Assisted Thoracoscopic Surgery & Robotic Surgery in Thoracic Diseases Levent Alpay	Written Exam
14.00-14.45	<b>Lecture</b> Preoperative Evaluation and Diagnostic Procedures in Thoracic Surgery Volkan Baysungur	Holiday	<b>Lecture</b> Thoracic Trauma I Hakan Kiral	<b>Lecture</b> Hydatic Cyst of the Lung Levent Alpay	<b>Lecture</b> Surgical Treatment of the Pathologies of Pleural Cavity Volkan Baysungur	<b>Lecture</b> Diaphragmatic Disorders İrfan Yalçinkaya	Oral Exam
15.00-15.45	<b>Lecture</b> Surgical Pathologies of Trachea and their Treatment Sina Ercan	Holiday	<b>Lecture</b> Thoracic Trauma II Hakan Kiral	<b>Lecture</b> Benign Lung Diseases Çağatay Tezel	<b>Lecture</b> Chest Wall Diseses and Surgical Treatment Çağatay Tezel	<b>Lecture</b> Esophageal Diseases and Surgical Treatment İrfan Yalçinkaya	
16.00-16.45	<b>Lecture</b> Radiological Evaluation of Thoracic Surgery Çağatay Tezel	Holiday	<b>Lecture</b> Hemoptysis Hakan Kiral	<b>Lecture</b> Tracheobronchial & Esophageal Foreign Bodies Levent Alpay	<b>Lecture</b> Mediastinal Diseases and Surgical Treatment Cansel Öztürk	<b>Program Evaluation Session</b> İrfan Yalçinkaya	

**YEDİTEPE UNIVERSITY  
FACULTY OF MEDICINE  
PHASE IV**

**CLINICAL ETHICS**

**YEDİTEPE UNIVERSITY FACULTY OF MEDICINE**

**Elif Vatanoğlu Lutz, MD. Assoc. Prof.**

## **AIM AND LEARNING OBJECTIVES OF CLINICAL ETHICS**

### **AIM**

*Aim of this clerkship is to;*

1. remind students essential knowledge on medical ethics,
2. equip students with necessary knowledge, skills and attitudes essential for interpersonal communication skills in medical practice, especially with a focus on cases that may be encountered in routine clinical practice from the aspects of medical ethics and medical law.

### **LEARNING OBJECTIVES**

At the end of this clerkship, student should be able to;

#### **KNOWLEDGE**

- 1.0. justify ethical principals by recognizing ethics problems and using basic ethics Approach
- 2.0. define deontological sanctions recognizing part of medical deontology subjects besides legal subjects
- 3.0. outline importance of informed consent in every medical attempt
- 4.0. classify medical information systems in the framework of legal and ethical codes
- 5.0. evaluate doctor's attitude in terms of ethics in recognition of human rights concept in medicine (e.g. in cases of torture, convict Patients' treatment rights, virginity control or dead penalty)
- 6.1. define communication,
- 6.2. classify communication techniques and concepts about communication, recognizing positive and negative aspects of various types of doctor.Patient relationships
- 7.0. explain useful communication techniques in relationship with people who are desperately ill, recognizing people's different roles and different reactions as important bases in the presence of desperate cases
- 8.1. list concept of abortions and connected terms,
- 8.2. describe legal and ethical responsibilities in these cases
- 9.0 outline ethics Approach and value conflicts about organ donation, considering complete legal regulations and ethical codes in the world and in our country
- 10.0 relate doctor's responsibility with ethical principles in distribution and use of medical sources
- 11.0 recognize respect for Patient's privacy as a basic subject of medicine and doctors' social responsibility.
- 12.0 recognize ethical problems in usage of technology as new reproduction methods
- 13.1. define ethical problems recognizing people's curiosity limit and doctor's social responsibility,
- 13.2. explain importance of genetic consultancy in terms of ethics and ethical problems considering cloning and genome projects.
- 14.0. list international and national regulations in the face of value problems that may occur in process of search and edition.
- 15.0. define code of ethics that are important to protect the rights of experimental subjects
- 16.0. relate concepts of illness and deformity involved in plastic surgery
- 17.0. explain systematically and critically the process of making decision about end of life

#### **SKILLS**

- 18.0. use body language and verbal language in communication with Patient in the right way

#### **ATTITUDES**

- 19.0. emphasize suitable and full information in order to solve a problem
- 20.0. communicate in the right way while talking to and about Patients at the end of life
- 21.0. improve the techniques about making rapid decision concerning the end of the life
- 22.0. empathize for comprehending importance of individual privacy
- 23.0. consult Patient and or relatives without being a router
- 24.0. show respect for Patient's privacy in academic and scientific environments
- 25.0. comprehend that honesty is the essential principle in process of research and publication stage
- 26.0. implement a sensitive policy for value conflicts and ethical dilemmas in order to justify them

**COMPETENCIES**

27.0. use effective communication and conflict resolution skills being sensitive to value problems in relationship with Patient

28.0. conduct a team work when necessary for dealing with pressure and anxiety arising from dying Patient and relatives

29.0. make a multidisciplinary team work on organ donations by implementing a sensitive policy about organ donations and related value conflicts and ethical dilemmas



## ASSESSMENT

*This table shows assessment methods/tools used in training program.*

Assessment Methods and Tools	Proportion (in Pass/Fail Decision)
Evaluation of Case Presentation (With Checklist)	50%
Research Paper Homework	50%
<b>Total</b>	<b>100%</b>

## CLINICAL ETHICS Group B / 21-25 Nov. 2016

	Monday 21.Nov.2016	Tuesday 22.Nov.2016	Wednesday 23.Nov.2016	Thursday 24.Nov.2016	Friday 25.Nov.2016
09.00-09.50	<b>Introductory Session</b> (Introduction to the General Medical Ethics Principles) <i>Elif Vatanoğlu Lutz</i>	<b>Lecture</b> Explaining the General Perspective of Medical Law Legislations in Turkey I <i>Elif Vatanoğlu Lutz</i>	<b>Independent Learning</b> <i>Preparation for preventive medicine work shop</i>	<b>Lecture and Discussion (large group)</b> Student Presentations and <i>Elif Vatanoğlu Lutz</i>	Collecting the papers  <b>Lecture and Discussion (large group)</b> Student Presentations and <i>Elif Vatanoğlu Lutz</i>
10.00-10.50	<b>Lecture</b> Repeating Physician.Patient Relationship Models <i>Elif Vatanoğlu Lutz</i>	<b>Lecture</b> Explaining the General Perspective of Medical law Legislations in Turkey II <i>Elif Vatanoğlu Lutz</i>			
11.00-11.50	<b>Lecture</b> Application of Medical Ethics Principles to Different Physician.Patient Relationship Models I <i>Elif Vatanoğlu Lutz</i>	<b>Lecture</b> Talking About Some Basic Examples of İnternational Medical Legislations Which are Different from Turkey I <i>Elif Vatanoğlu Lutz</i>		<b>Lecture and Discussion (large group)</b> Student Presentations and <i>Elif Vatanoğlu Lutz</i>	
12.00-12.50	Lunch				
13.00-13.50	<b>Lecture</b> Application of Medical Ethics Principles to Different Physician.Patient Relationship Models II <i>Elif Vatanoğlu Lutz</i>	<b>Lecture</b> Talking About Some Basic Examples of İnternational Medical Legislations Which are Different from Turkey II	<b>Lecture and Discussion (large group)</b> Student Presentations and <i>Elif Vatanoğlu Lutz</i>	<b>Lecture and Discussion (large group)</b> Student Presentations and <i>Elif Vatanoğlu Lutz</i>	<b>Lecture and Discussion (large group)</b> Student Presentations and <i>Elif Vatanoğlu Lutz</i>
14.00-14.50	<b>Lecture</b> Application of Medical Ethics Principles to Different Physician.Patient Relationship Models <i>Elif Vatanoğlu Lutz</i>	<b>Independent Learning</b> <i>Preparation for Student Presentations</i>		<b>Lecture and Discussion (large group)</b> Student Presentations and <i>Elif Vatanoğlu Lutz</i>	
15.00- 15.50	<b>Lecture</b> Explaining the Interdisciplinary Approach Between Medical Law and Medical Ethics <i>Elif Vatanoğlu Lutz</i>	<b>Independent Learning</b> <i>Preparation for Student Presentations</i>	<b>Lecture and Discussion (large group)</b> Student Presentations and <i>Elif Vatanoğlu Lutz</i>	<b>Lecture and Discussion (large group)</b> Student Presentations and <i>Elif Vatanoğlu Lutz</i>	
16.00-16.50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	
17.00-17:50					

## CLINICAL ETHICS Group A / 06-10 Feb. 2017

	Monday 06.Feb.2017	Tuesday 07.Feb.2017	Wednesday 08.Feb.2017	Thursday 09.Feb.2017	Friday 10.Feb.2017
09.00-09.50	<b>Introductory Session</b> (Introduction to the general medical ethics principles) <i>Elif Vatanoğlu Lutz</i>	<b>Lecture</b> Explaining the general Perspective of Medical Law Legislations in Turkey I <i>Elif Vatanoğlu Lutz</i>	<b>Independent Learning</b> <i>Preparation for preventive medicine work shop</i>	<b>Lecture and Discussion (large group)</b> Student Presentations and <i>Elif Vatanoğlu Lutz</i>	Collecting the papers <b>Lecture and Discussion (large group)</b> Student Presentations and <i>Elif Vatanoğlu Lutz</i>
10.00-10.50	<b>Lecture</b> Repeating Physician.Patient Relationship Models <i>Elif Vatanoğlu Lutz</i>	<b>Lecture</b> Explaining the General Perspective of Medical Law Legislations in Turkey II <i>Elif Vatanoğlu Lutz</i>			
11.00-11.50	<b>Lecture</b> Application of Medical Ethics Principles to Different Physician.Patient Relationship Models I <i>Elif Vatanoğlu Lutz</i>	<b>Lecture</b> Talking About Some Basic Examples of International Medical Legislations Which are Different from Turkey I <i>Elif Vatanoğlu Lutz</i>		<b>Lecture and Discussion (large group)</b> Student Presentations and <i>Elif Vatanoğlu Lutz</i>	
12.00-12.50	Lunch				
13.00-13.50	<b>Lecture</b> Application of Medical Ethics Principles to Different Physician.Patient Relationship Models II <i>Elif Vatanoğlu Lutz</i>	<b>Lecture</b> Talking About Some Basic Examples of International Medical Legislations Which are Different from Turkey II	<b>Lecture and Discussion (large group)</b> Student Presentations and <i>Elif Vatanoğlu Lutz</i>	<b>Lecture and Discussion (large group)</b> Student Presentations and <i>Elif Vatanoğlu Lutz</i>	<b>Lecture and Discussion (large group)</b> Student Presentations and <i>Elif Vatanoğlu Lutz</i>
14.00-14.50	<b>Lecture</b> Application of Medical Ethics Principles to Different Physician.Patient Relationship Models III <i>Elif Vatanoğlu Lutz</i>	<b>Independent Learning</b> <i>Preparation for Student Presentations</i>		<b>Lecture and Discussion (large group)</b> Student Presentations and <i>Elif Vatanoğlu Lutz</i>	
15.00- 15.50	<b>Lecture</b> Explaining the Interdisciplinary Approach Between Medical Law and Medical Ethics <i>Elif Vatanoğlu Lutz</i>	<b>Independent Learning</b> <i>Preparation for Student Presentations</i>	<b>Lecture and Discussion (large group)</b> Student Presentations and <i>Elif Vatanoğlu Lutz</i>	<b>Lecture and Discussion (large group)</b> Student Presentations and <i>Elif Vatanoğlu Lutz</i>	
16.00-16.50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	
17.00-17:50					

**YEDİTEPE UNIVERSITY**  
**FACULTY OF MEDICINE**  
**PHASE IV**

**PUBLIC HEALTH**  
**(EVIDENCE BASED MEDICINE)**

**YEDİTEPE UNIVERSITY FACULTY OF MEDICINE**

**Head of the Department of Public Health: Recep Erol Sezer, MD. Prof.**

**Özlem Tanrıöver, MD Assoc. Prof.**

**Hale Arık Taşyikan, MD Assist. Prof.**

# **AIM AND LEARNING OBJECTIVES OF EVIDENCE BASED MEDICINE**

## **AIM**

Aim of this clerkship is to;

1. convey how to access to the updated information that is needed in making decisions about the care of individual patients
2. develop skills for using the obtained evidence.

## **LEARNING OBJECTIVES**

At the end of this clerkship, student should be able to;

- 1.0. define
  - 1.1. the steps to evidence based medicine
  - 1.2. a clinical question in pico format from a patient scenario
  - 1.3. main databases necessary for evidence based medicine
  - 1.4. research methods and hierarchy among methods for producing evidence
  - 1.5. the types of clinical questions
  - 1.6. clinical evidence using clinical query database
  - 1.7. common study designs. identify the major strengths and limitation of each.
  - 1.8. which study designs are best for answering clinical questions related to therapy/prevention.
- 2.0. therapy/prevention
  - 2.1. assess study for validity
  - 2.2. derive number needed to treat (nnt), number needed to harm (nnh)
  - 2.3. interpret confidence intervals, p values, relative risk, odds ratio, hazard ratio
  - 2.4. apply therapy evidence to patients
  - 2.5. define bias in epidemiologic studies
  - 2.6. define confounding factor in epidemiologic studies
- 3.0. diagnosis
  - 3.1. assess study for validity
  - 3.2. derive sensitivity, specificity, positive predictive value, negative predictive value, and likelihood ratios.
  - 3.3. apply diagnostic evidence to patients
  - 3.4. summarize diagnostic evidence in written report
  - 3.5. summarize diagnostic evidence verbally to colleagues
  - 3.6. summarize and interpret diagnostic evidence for a patient in terms he/she will understand
- 4.0. communication skills
  - 4.1. identify common pitfalls to communicating evidence to patients
  - 4.2. describe the steps to communicating evidence to patients
  - 4.3. advocate and use the evidence based medicine approach

## ASSESSMENT

*This table shows question types and assessment methods/tools used in training program.*

<b>Question Types (Pencil.Paper Tests)</b>	<b>Proportion (in Pencil.Paper Tests)</b>
Multiple Choice Questions	80%
Short Response Essay Questions	20%
<b>Total</b>	<b>100%</b>
<b>Other Assessment Methods and Tools</b>	<b>Proportion (in Pass/Fail Decision)</b>
Evaluation of Group's Case Presentation (With Checklist)	40%
Global Evaluation of Student's Performance	10%
<b>Total</b>	<b>50 %</b>
<b>Pass/Fail Decision</b>	<b>Proportion (in Pass/Fail Decision)</b>
Pencil.Paper Tests	50%
Other Assessments Methods and Tools	50%
<b>Total</b>	<b>100%</b>

## PUBLIC HEALTH (EVIDENCE BASED MEDICINE) Group B / 14-18 Nov. 2016

	Monday 14.Nov.2016	Tuesday 15.Nov.2016	Wednesday 16.Nov.2016	Thursday 17.Nov.2016	Friday 18.Nov.2016
09.00-09.50	Introductory Session Introduction to EBM <i>Recep Erol Sezer</i>	Discussion (Large Group) An EBM Story Recep Erol Sezer, Özlem Tanrıöver, Hale Arik Taşyikan	Lecture Epidemiologic Research Types and Basic Concepts II Hale Arik Taşyikan	Discussion (Large Group) An EBM Story Recep Erol Sezer, Özlem Tanrıöver, Hale Arik Taşyikan	Written Final Exam
10.00-10.50		Lecture Epidemiologic Research Types and Basic Concepts I Hale Arik Taşyikan		Discussion (Small Group) Evaluation of diagnostic tests Özlem Tanrıöver	EBM Case Presentations (Student) and Discussion (Large Group) Recep Erol Sezer, Özlem Tanrıöver, Hale Arik Taşyikan
11.00-11.50			Discussion (Large Group) An EBM Story Recep Erol Sezer, Özlem Tanrıöver, Hale Arik Taşyikan	Lecture Confounding factor, Bias and Types of Bias Özlem Tanrıöver	
12.00-12.50	Independent Learning for EBM presentations Counseling given by: Recep Erol Sezer, Özlem Tanrıöver, Hale Arik Taşyikan	Independent Learning for EBM presentations Counseling given by: Recep Erol Sezer, Özlem Tanrıöver, Hale Arik Taşyikan	Independent Learning for EBM presentations Counseling given by: Recep Erol Sezer, Özlem Tanrıöver, Hale Arik Taşyikan	Independent Learning for EBM presentations Counseling given by: Recep Erol Sezer, Özlem Tanrıöver, Hale Arik Taşyikan	
12.50-14.00	LUNCH TIME				
14.00-14.50	Independent Learning for EBM presentations Counseling given by: Recep Erol Sezer, Özlem Tanrıöver, Hale Arik Taşyikan	Independent Learning for EBM presentations Counseling given by: Recep Erol Sezer, Özlem Tanrıöver, Hale Arik Taşyikan	Independent Learning for EBM presentations Counseling given by: Recep Erol Sezer, Özlem Tanrıöver, Hale Arik Taşyikan	Independent Learning for EBM presentations Counseling given by: Recep Erol Sezer, Özlem Tanrıöver, Hale Arik Taşyikan	Program Evaluation Session Discussion of Exam, Evaluation of EBM Clerkship Recep Erol Sezer, Özlem Tanrıöver, Hale Arik Taşyikan
15.00-15.50					
16.00-16.50					
17.00-17.50					

## PUBLIC HEALTH (EVIDENCE BASED MEDICINE) Group A / 13-17 Feb. 2017

	Monday 13.Feb.2017	Tuesday 14.Feb.2017	Wednesday 15.Feb.2017	Thursday 16.Feb.2017	Friday 17.Feb.2017
09.00-09.50	Introductory Session Introduction to EBM <i>Recep Erol Sezer</i>	Discussion (Large Group) An EBM Story <i>Recep Erol Sezer, Özlem Tanrıöver, Hale Arık Taşyikan</i>	Lecture Epidemiologic Research Types and Basic Concepts II <i>Hale Arık Taşyikan</i>	Discussion (Large Group) An EBM Story <i>Recep Erol Sezer, Özlem Tanrıöver, Hale Arık Taşyikan</i>	Written Final Exam
10.00-10.50		Lecture Epidemiologic Research Types and Basic Concepts I <i>Hale Arık Taşyikan</i>		Discussion (Small Group) Evaluation of diagnostic tests Özlem Tanrıöver	EBM Case Presentations (Student) and Discussion (Large Group) <i>Recep Erol Sezer, Özlem Tanrıöver, Hale Arık Taşyikan</i>
11.00-11.50			Discussion (Large Group) An EBM Story <i>Recep Erol Sezer, Özlem Tanrıöver, Hale Arık Taşyikan</i>	Lecture Confounding Factor, Bias and Types of Bias <i>Özlem Tanrıöver</i>	
12.00-12.50	Independent Learning for EBM presentations Counseling given by: <i>Recep Erol Sezer, Özlem Tanrıöver, Hale Arık Taşyikan</i>	Independent Learning for EBM presentations Counseling given by: <i>Recep Erol Sezer, Özlem Tanrıöver, Hale Arık Taşyikan</i>	Independent Learning for EBM presentations Counseling given by: <i>Recep Erol Sezer, Özlem Tanrıöver, Hale Arık Taşyikan</i>	Independent Learning for EBM presentations Counseling given by: <i>Recep Erol Sezer, Özlem Tanrıöver, Hale Arık Taşyikan</i>	
12.50-14.00	LUNCH TIME				
14.00-14.50	Independent Learning for EBM presentations Counseling given by: <i>Recep Erol Sezer, Özlem Tanrıöver, Hale Arık Taşyikan</i>	Independent Learning for EBM presentations Counseling given by: <i>Recep Erol Sezer, Özlem Tanrıöver, Hale Arık Taşyikan</i>	Independent Learning for EBM presentations Counseling given by: <i>Recep Erol Sezer, Özlem Tanrıöver, Hale Arık Taşyikan</i>	Independent Learning for EBM presentations Counseling given by: <i>Recep Erol Sezer, Özlem Tanrıöver, Hale Arık Taşyikan</i>	Program Evaluation Session Discussion of Exam, Evaluation of EBM Clerkship <i>Recep Erol Sezer, Özlem Tanrıöver, Hale Arık Taşyikan</i>
15.00-15.50					
16.00-16.50					
17.00-17.50					



**YEDİTEPE UNIVERSITY  
FACULTY OF MEDICINE**

**PHASE IV**

**STUDENT COUNSELING**

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

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

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

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

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

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

## 2016 - 2017 PHASE IV LIST OF STUDENT COUNSELING

STUDENT NUMBER	NAME	SURNAME	COUNSELOR
20130800096	MUSTAPHA	ABU RACHED	PROF. DR. BAŞAR ATALAY
20130800093	YASHAR	ADİBNİA	PROF. DR. BORA FARSAK
20120800065	ALİ ERDİ	AFACAN	PROF. DR. SELAMİ SÖZÜBİR
20130800026	SEDA	AKKIZ	PROF. DR. SELAMİ SÖZÜBİR
20120800032	YİĞİT	AKSOY	PROF. DR. ÖZCAN GÖKÇE
20130800051	SENA	AKYILDIZ	PROF. DR. ÖZCAN GÖKÇE
20120800044	DAMLA	ALTUNOK	YRD. DOÇ. DR. ATILLA ÖZKAN
20130800095	CEMRE	ARDIÇ	YRD. DOÇ. DR. ATILLA ÖZKAN
20130800077	DOĞUKAN	ARSLAN	DOÇ. DR. BAKİ EKÇİ
20120800012	ALARA	ATAACAR	DOÇ. DR. BAKİ EKÇİ
20120800026	GALİP EKİN	BENLİ	PROF. DR. ÖGE TAŞÇILAR
20130800053	BEYZA	BÜYÜKÖREN	PROF. DR. ÖGE TAŞÇILAR
20130800057	CANER	ÇECE	PROF. DR. ÖGE TAŞÇILAR
20130800036	BEHİÇ	ÇELİK	YRD. DOÇ. DR. ATILLA ÖZKAN
20140800101	ECE	DEMİRKIRKAN	YRD. DOÇ. DR. ATILLA ÖZKAN
20130800023	ÖZGÜL GİZEM	DİKENCİK	PROF. DR. BELKIS ILGAZ YALVAÇ
20130800016	MELİS	ERDAL	PROF. DR. BELKIS ILGAZ YALVAÇ
20120800003	MERVE	ERİŞ	PROF. DR. SİNAN TATLIPINAR
20150800104	LENA	ERTAÇ	PROF. DR. SİNAN TATLIPINAR
20120800010	İZGİ AYÇIL	GENCAN	DOÇ. DR. RACİHA BERİL KÜÇÜMEN
20120800072	NAZ	GÜÇLÜ	DOÇ. DR. RACİHA BERİL KÜÇÜMEN
20120800004	DİLARA	GÜLŞAN	DOÇ. DR. ATAKAN YEŞİL
20130800024	GİZEM	GÜNGÖR	DOÇ. DR. ATAKAN YEŞİL
20120800066	METEHAN	HERGÜNER	DOÇ. DR. ATAKAN YEŞİL
20130800052	MÜNİRE NAZLI	HÖBEK	DOÇ. DR. ŞULE ZİYLAN
20120800043	ELİF RABİA	İÇÖZ	DOÇ. DR. ŞULE ZİYLAN
20120800050	ECE	İLTÜMÜR	DOÇ. DR. ŞULE ZİYLAN
20130800037	AYDIN	İŞLETME	PROF. DR. BUKET ERER DEL CASTELLO
20120800057	ECER	KAHRAMAN	PROF. DR. BUKET ERER DEL CASTELLO
20120800051	GİZEM NAZ	KAHRAMAN	DOÇ. DR. AHMET TUNÇ ÖZDEMİR
20130800063	MÜGE	KALAYCIOĞLU	DOÇ. DR. AHMET TUNÇ ÖZDEMİR
20130800082	NESİBE GÖKÇE	KALYONCU	YRD. DOÇ. DR. EBRU GÖRGÜN
20120800064	FATMA CANAN	KARABAŞ	YRD. DOÇ. DR. EBRU GÖRGÜN
20120800053	SALİHA NAZLI	KARDAŞ	YRD. DOÇ. DR. EBRU GÖRGÜN
20140800090	BUSE	KAYMAKÇI	YRD. DOÇ. DR. MUHSİN ALTUNSOY
20150800108	CEREN	KAYTAN	YRD. DOÇ. DR. MUHSİN ALTUNSOY
20120800054	ÇAĞDAŞ ROBİN	KIRAN	YRD. DOÇ. DR. MUHSİN ALTUNSOY
20130800038	İREM NUR	KIRAZ	YRD. DOÇ. DR. VİLDAN ÖZTÜRK
20130800011	UMUT	KOÇ	YRD. DOÇ. DR. VİLDAN ÖZTÜRK
20130800060	BİLGE	KÖYLÜ	YRD. DOÇ. DR. VİLDAN ÖZTÜRK
20130800039	DOĞA	KURUOĞLU	PROF. DR. NEŞET CEM FİÇİCIOĞLU
20150800100	BERK	KUTSAL	PROF. DR. NEŞET CEM FİÇİCIOĞLU
20120800067	DİLARA	MEDET	DOÇ. DR. SONER SANIOĞLU
20130800081	FATMA SARAAD	MOHAMUD	DOÇ. DR. SONER SANIOĞLU
20110800071	USAMA SULEIMAN	NASSOR	DOÇ. DR. NESLİHAN TAŞDELEN
20120800041	MUSTAFA FATİH	ÖĞÜNÇLÜ	DOÇ. DR. GAZİ YILDIRIM
20130800027	TANSU ŞUA	ÖKTEM	DOÇ. DR. OLUŞ API
20140800095	CEMELMAS	ÖZAKINSEL	DOÇ. DR. OLUŞ API
20130800025	HELİN DİCLE	ÖZBEK	DOÇ. DR. RUKSET ATTAR

20130800073	MELİS	ÖZGER	DOÇ. DR. RUKSET ATTAR
20130800002	BURHAN OSMAN	ÖZTÜRK	PROF. DR. YAVUZ SELİM PATA
20130800041	HAZAL	SAĞKOL	PROF. DR. YAVUZ SELİM PATA
20150800096	MELİS	SARAK	DOÇ. DR. MÜZEYYEN DOĞAN
20120800006	MUSTAFA	SELİMOĞLU	DOÇ. DR. MÜZEYYEN DOĞAN
20120800007	MEHMET İLHAN	SESİGÜZEL	DOÇ. DR. MÜZEYYEN DOĞAN
20130800030	IRMAK	SINAL	PROF. DR. FAİK ALTINTAŞ
20130800013	LEVENT AKMAN	SOLİM	PROF. DR. FAİK ALTINTAŞ
20140800087	ÖZÜM CANSU	ŞAHİN	DOÇ. DR. MELİH GÜVEN
20130800034	UFUK	ŞANKO	DOÇ. DR. MELİH GÜVEN
20130800058	MÜMİN BERKAY	ŞEN	YRD. DOÇ. DR. TURHAN ÖZLER
20120800084	BURÇİN	TAK	YRD. DOÇ. DR. TURHAN ÖZLER
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20130800022	MİRAÇ BERFU	TOKUÇ	DOÇ. DR. CAN ÇINAR
20130800061	ECE	TOPRAKÇI	DOÇ. DR. CAN ÇINAR
20130800040	ASUDE	TURA	DOÇ. DR. CAN ÇINAR
20130800014	TALAT TAYGUN	TURAN	YRD. DOÇ. DR. UĞUR ANIL BİNGÖL
20120800008	AYKUT	UÇAR	YRD. DOÇ. DR. UĞUR ANIL BİNGÖL
20130800017	EZGİ	URTEKİN	YRD. DOÇ. DR. UĞUR ANIL BİNGÖL
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20120800062	YELİZ	YANIKOĞLU	DOÇ. DR. FARUK YENCİLEK
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20130800062	EZGİ	YILDIZ	YRD. DOÇ. DR. ORHAN ÖNDER EREN
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KODU: TIPE.P.01.B.B.01 Rev 3, 25.07.2016