

YEDİTEPE UNIVERSITY
FACULTY of MEDICINE
PHASE IV
ACADEMIC PROGRAM BOOK
2017 – 2018

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^{*,}**

***“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 2017 – 2018)

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. Ferudun 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, Gastroenterohepathology, 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

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 2017 - 2018

GROUP A

TRANSITION TO CLINICAL SETTINGS (3 DAYS) 06.09.2017 - 08.09.2017

INTERNAL MEDICINE (10 WEEKS) 11.09.2017 - 17.11.2017
THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL
PRACTICAL: HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL (H.N.H) + YEDİTEPE UNIVERSITY HOSPITAL

CARDIOLOGY (2 WEEKS) 20.11.2017 - 01.12.2017
THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL - PRACTICAL: KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL

CHILD HEALTH AND PEDIATRICS (10 WEEKS) 04.12.2017 - 09.02.2018
THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL + K.L.K
PRACTICAL: DR. LÜTFİ KIRDAR KARTAL TRAINING AND RESEARCH HOSPITAL. (K.L.K)

CLINICAL ETHICS (1 WEEK) 12.02.2018 - 16.02.2018 CAMPUS

PUBLIC HEALTH (1 WEEK) 19.02.2018 - 23.02.2018 CAMPUS

GENERAL SURGERY (5 WEEKS) 26.02.2018 - 02.04.2018
THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL
PRACTICAL: HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL (H.N.H)

THORACIC SURGERY
(1,5 WEEK) 03.04.2018 - 11.04.2018 SÜREYYAPAŞA THORACIC DISEASES AND THORACIC SURGERY TRAINING AND RESEARCH HOSPITAL

PLASTIC, RECONSTRUCTIVE & AESTHETIC SURGERY
(1,5 WEEK) 03.04.2018 - 11.04.2018

PLASTIC, RECONSTRUCTIVE & AESTHETIC SURGERY
(1,5 WEEK) 12.04.2018-20.04.2018

THORACIC SURGERY
(1,5 WEEK) 12.04.2018-20.04.2018 SÜREYYAPAŞA THORACIC DISEASES AND THORACIC SURGERY TRAINING AND RESEARCH HOSPITAL

CARDIOVASCULAR SURGERY (2 WEEKS) 24.04.2018 - 04.05.2018
PRACTICAL: KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL
THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL

OBSTETRICS AND GYNECOLOGY (6 WEEKS) 07.05.2018 - 14.06.2018
THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL
PRACTICAL: ÜMRANİYE TRAINING AND RESEARCH HOSPITAL

PHASE 4 ACADEMIC SCHEDULE 2017 - 2018	
GROUP B	
TRANSITION TO CLINICAL SETTINGS (3 DAYS) 06.09.2017 - 08.09.2017	
CHILD HEALTH AND PEDIATRICS (10 WEEKS) 11.09.2017 - 17.11.2017 THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL + K.L.K PRACTICAL: DR. LÜTFİ KIRDAR KARTAL TRAINING AND RESEARCH HOSPITAL (K.L.K)	
PUBLIC HEALTH (1 WEEK) 20.11.2017 - 24.11.2017 CAMPUS	
CLINICAL ETHICS (1 WEEK) 27.11.2017 -01.12.2017 CAMPUS	
INTERNAL MEDICINE (10 WEEKS) 04.12.2017 - 09.02.2018 THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL PRACTICAL: HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL (H.N.H) + YEDİTEPE UNIVERSITY HOSPITAL	
CARDIOLOGY (2 WEEKS) 12.02.2018 - 23.02.2018 THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL PRACTICAL: KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL	
OBSTETRICS AND GYNECOLOGY (6 WEEKS) 26.02.2018 - 06.04.2018 THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL PRACTICAL: ÜMRANİYE TRAINING AND RESEARCH HOSPITAL	
GENERAL SURGERY (5 WEEKS) 09.04.2018 - 14.05.2018 THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL PRACTICAL: HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL (H.N.H)	
THORACIC SURGERY (1,5 WEEK) 15.05.2018 -23.05.2018 SÜREYYAPAŞA THORACIC DISEASES AND THORACIC SURGERY TRAINING AND RESEARCH HOSPITAL	PLASTIC, RECONSTRUCTIVE & AESTHETIC SURGERY (1,5 WEEK) 15.05.2018 - 23.05.2018 YEDİTEPE UNIVERSITY HOSPITAL
PLASTIC, RECONSTRUCTIVE & AESTHETIC SURGERY (1,5 WEEK) 24.05.2018 - 01.06.2018 YEDİTEPE UNIVERSITY HOSPITAL	THORACIC SURGERY (1,5 WEEK) 24.05.2018 - 01.06.2018 SÜREYYAPAŞA THORACIC DISEASES AND THORACIC SURGERY TRAINING AND RESEARCH HOSPITAL
CARDIOVASCULAR SURGERY (2 WEEKS) 04.06.2018- 14.06.2018 PRACTICAL: KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL THEORETICAL: YEDİTEPE UNIVERSITY HOSPITAL	

**YEDİTEPE UNIVERSITY
FACULTY OF MEDICINE
PHASE IV**

**ACADEMIC CALENDAR
2017 - 2018**

September 06, 2017 (Wednesday)	Beginning of Phase IV
October 18, 2017 (Wednesday)	Coordination Committee Meeting
October 28 - 29, 2017 (Saturday¹/₂ - Sunday)	Republic Day - National Holiday
November 10, 2017 (Friday)	Commemoration of Atatürk
January 1, 2018 (Monday)	New Year
January 10, 2018 (Wednesday)	Coordination Committee Meeting (with student participation)
March 14, 2018 (Wednesday)	Physicians' Day
April 23, 2018 (Monday)	National Holiday
May 1, 2018 (Tuesday)	Labor's Day
May 9, 2018 (Wednesday)	Coordination Committee Meeting (with student participation)
May 19, 2018 (Saturday)	National Holiday
June 14 - 17, 2018 (Thursday ¹/₂ - Sunday)	Religious Holiday
June 14, 2018 (Thursday)	End of Phase IV

2017 - 2018 PHASE IV GROUP A			
1	20120800002	KONURALP	SAĞLAM
2	20120800005	OĞUZ GÖKBERK	ÖZHAN
3	20120800009	OĞUZCAN	SERNİKLİ
4	20120800023	KORAY	KAYA
5	20120800045	İREM BUSE	KARAKUM
6	20120800081	MUSTAFA FADIL	YUNIS
7	20120800088	DAMLA	ERDOĞAN
8	20130800001	SERKAN	DEKTAŞ
9	20130800004	KEVSER	KİŞİFLİ
10	20130800004	ZEYNEP İLAY	YALÇIN
11	20130800005	SELMA NUR	ÖZKİRAZ
12	20130800006	HASAN	DÖNER
13	20130800007	DİLGE	KÜÇÜKCAN
14	20130800008	ZELİHA NUR	IRMAK
15	20130800009	ALEV	ARSLAN
16	20130800010	HİLMİ	ALPTEKİN
17	20130800012	ATA	KÖKEN
18	20130800020	MELİKE SABA	ERDİNÇ
19	20130800028	DENİZ	KOCA
20	20130800035	DENİZ CAN	ÖNEN
21	20130800042	YEKTA	YILDIRIM
22	20130800043	GÖZDE	KURAN
23	20130800045	SEÇKİN	ÇELİK
24	20130800046	MEYSA	ÖNCEL
25	20130800048	SILA	KARAKUŞ
26	20130800050	ATILA BERKE	ÖZÜS
27	20130800059	YUNUS EMRE	ÇADIRCI
28	20130800060	AYŞE NAZ	TEKKÖK
29	20130800065	SEMİH SERGEN	SEMERCİ
30	20130800066	ELİF NUR	TAKIR
31	20130800068	SİDAR	KARABULUT
32	20130800069	BÜŞRA NUR	ÇOŞAN
33	20130800070	DUHA YAREN	ÖZTÜRK
34	20130800071	OLCAY	YAVUZ
35	20130800072	PELİN	SARI
36	20130800074	YILDIRIM HAN	BOZAL
37	20130800075	MURAT	ERDOĞAN
38	20130800076	EREN	KAVUKÇU
39	20130800078	SENA	LOĞOĞLU
40	20130800079	VOLKAN	ÇİVELEK
41	20130800088	JOSEPF FURKAN	KÜÇÜKTAŞ
42	20140800001	ALİ EMRE	ÖZTÜRK
43	20140800004	KIVANÇ	KORKMAZ
44	20140800007	MERVE	ZENGİN
45	20140800009	GÖKTUĞ	ÇETİNYOL
46	20140800013	ALİ	KESER
47	20140800023	MUSTAFA CANER	AYDIN
48	20170800113	FERİDE NURSELİ	ENGEL

2017 - 2018 PHASE IV GROUP B			
1	20110800071	USAMA SULEIMAN	NASSOR
2	20140800014	HATİCE ZEYNEP	CEYLAN
3	20140800015	BERİL	BALAK
4	20140800017	İPEK	AYRI
5	20140800018	ECE	BATUR
6	20140800019	AYLİN	İKİS
7	20140800020	EGEMEN KAAAN	ÇAKAR
8	20140800022	İLKE ESİN	AYDINER
9	20140800027	MERCAN	EZELSOY
10	20140800033	DİLANUR SULTAN	SEÇİLMİŞ
11	20140800034	MELİH KAĞAN	KAVCIOĞLU
12	20140800035	ZELİHA İLKE	SUNGUR
13	20140800038	FEHMİ GİRAY	ÖZGÜN
14	20140800039	AYSU	KAÇAR
15	20140800041	ÖMER SERTAÇ	İLASLAN
16	20140800045	OSMAN KAMİL	KAMILOĞLU
17	20140800046	NAZ	PAYTONCU
18	20140800049	ÖYKÜ MERVE	YILMAZ
19	20140800053	GÖRKEM	FEYZULLAHOĞLU
20	20140800056	MUSTAFA EFE	ŞÜKÜROĞLU
21	20140800058	BURAKSU	KARSLI
22	20140800063	HÜMA ARDA	PEDİRİK
23	20140800064	AYŞE EZGİ	SEVER
24	20140800067	ESRA EZGİ	TEMÜR
25	20140800068	İREM	BOLLUK
26	20140800069	UMAY	DİLEK
27	20140800070	ECE MELİS	ÇETİNKAYA
28	20140800071	YAĞIZ	ÖZDAĞ
29	20140800072	ECEM	OLTULU
30	20140800073	NİYAZİ GÖRKEM	BEKTAŞ
31	20140800074	BAŞAK	GÜNAY
32	20140800075	DİLARA UMUT	ALTUN
33	20140800076	ECE	KUDUBAN
34	20140800077	MERYEM BEYZA	ERKAN
35	20140800079	DENİZ	TURGUT
36	20140800081	EZGİ	DUMAN
37	20140800082	EDA	OLCAYTUĞ
38	20140800084	LORINA	HAZIRI
39	20140800086	NAİLE	ŞABAN
40	20140800088	BASSEL	BSAT
41	20140800096	LADEN	ALTAY
42	20140800102	BATUHAN BERK	DEMİR
43	20150800107	MUHARREM BERKER	ALTINTAŞ
44	20160800093	SİMAY	ÇİL
45	20160800099	ECE	TOPKAYA
46	20160800106	HAZAL	ERDİNÇ
47	20160800108	NAZ CANSU	AKKAŞ
48	20170800114	FARAH JAMAL	TAHA
48	20170800117	SELEN	ÖZKAN

YEDİTEPE UNIVERSITY

FACULTY OF MEDICINE

RECOMMENDED TEXTBOOKS FOR PHASE IV

DEPARTMENT	TEXTBOOK	AUTHOR	PUBLISHER
INTERNAL MEDICINE	<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 & Hypertension Edited by Christopher S. Wilcox, C. Craig Tisher</p> <p>- Netter's Gastroenterology. Edited by M Floch</p> <p>- Yeditepe Üniversitesi Tıp Fakültesi İç Hastalıkları Semiyoloji Kitabı. Editör Prof Dr. Yaşar Küçükardalı</p> <ul style="list-style-type: none"> ▪ INTERNET LİNKLERİ; ○ www.uptodate.com, ○ http://bestpractice.bmj.com/best-practice/evidence, ○ http://www.medicinenet.com/script/main/hp.asp ○ www.accessmedicine.com 		
CHILD HEALTH & PEDIATRICS	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
GENERAL SURGERY	Schwartz's Principles of Surgery, 10th edition		
	Sabiston Textbook of Surgery: The Biological Basis of Modern Surgical Practice, 19th edition		
OBSTETRICS & GYNECOLOGY	Current Obstetrics and Gynecology, Elsevier Publishing 2015		

CARDIOVASCULAR SURGERY	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
CARDIOLOGY	Braunwald's Heart Disease: A Textbook of Cardiovascular Medicine, 2-Volume Set, 10th Edition Marriott's Practical Electrocardiography		
THORASIC SURGERY	Thoracic Surgery, Editors: Prof. Dr. Mustafa Yüksel, Prof. Dr. Akın Eraslan, Nobel Tıp Kitapevleri, ISBN:978-605-335-122-1		
PLASTIC RECONSTRUCTIVE & AESTHETIC SURGERY	Grabb and Smith's Plastic Surgery	Charles H. Thorne MD., et al	LWW
CLINICAL ETHICS	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		
PUBLIC HEALTH	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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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 (3 days)

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)

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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 Zahmacioğlu MD, Assist. Prof.

Serdar Özdemir, MD, Assist. Prof.

Sibel Afacan, Phd.

Tayfun Bırakoğlu

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%
Total	100%
Other Assessment Methods and Tools	Proportion (in Pass/Fail Decision)
Evaluation of Student's Learning Projects (With Checklist)	80%
Total	80%
Pass/Fail Decision	Proportion (in Pass/Fail Decision)
Pencil-Paper Tests	20%
Other Assessment Methods and Tools	80%
Total	100%

TRANSITION TO CLINICAL SETTINGS WEEK I / 06-08 Sep 2017

	Monday 4.Sep.2017	Tuesday 5.Sep.2017	Wednesday 6.Sep.2017	Thursday 7.Sep.2017	Friday 8.Sep.2017
09.00- 09.45			Introductory Session Introduction to Clerkship Program, and Diagnostic Assessment <i>Selami Sözübir</i> <i>Serdar Özdemir</i> Hall: Rektörlük Üzeyir Garih Konferans Salonu	Lecture Understanding Others <i>Oğuzhan.</i> <i>Zahmacioğlu,</i> <i>Naz Berfu Akbaş</i> Hall: Rektörlük Üzeyir Garih Konferans Salonu	Panel Examples of Careers in Medicine <i>Selami Sözübir,</i> <i>Sina Ercan,</i> <i>Vildan Öztürk</i> Hall: Rektörlük Üzeyir Garih Konferans Salonu
10.00-10.45			Lecture Quality Improvement and International Patient Safety <i>Selami Sözübir</i>	Movie Session Commentary Writing <i>Oğuzhan.</i> <i>Zahmacioğlu,</i> <i>Naz Berfu Akbaş</i> <i>Serdar Özdemir</i> Hall: Güzel Sanatlar Fakültesi Cep Sineması	
11.00-11.30		Lecture Infection Control Program <i>Meral Sönmezoğlu,</i>	Reflection Session Explanation of the Learning Project and the Post-test <i>Naz Berfu Akbaş,</i> <i>Pelin Hürmeriç,,</i> <i>Selami Sözübir,</i> <i>Serdar Özdemir</i>		
11.30-12.00		Lecture Drug Safety <i>Selami Sözübir</i>			
12.00-13.00					
13.00-13.45			Lecture Emergency Management <i>Selami Sözübir,</i> <i>Fadıl Sarıgüllü</i> Hall: Rektörlük Üzeyir Garih Konferans Salonu	Discussion (Large Group) <i>Oğuzhan.</i> <i>Zahmacioğlu,</i> <i>Naz Berfu Akbaş</i> <i>Serdar Özdemir</i> Hall: Rektörlük Üzeyir Garih Konferans Salonu	Assessment Session Post-test <i>Selami Sözübir,</i> <i>Serdar Özdemir</i> Hall: Rektörlük Üzeyir Garih Konferans Salonu
14.00-14.45			Interactive Lecture Introduction to Leadership and Management <i>Sevgi Bilgen</i>	Lecture Breaking Bad News, Handling Difficult Situations and Difficult Persons <i>Oğuzhan.</i> <i>Zahmacioğlu,</i> <i>Naz Berfu Akbaş</i>	
15.00-15.45			Meeting with Head Pysician of Yeditepe Hospital <i>Faruk Yencilek</i>	RoI Play Session Breaking Bad News, <i>Oğuzhan.</i> <i>Zahmacioğlu,</i> <i>Naz Berfu Akbaş</i>	
16.00-17.00			Discussion (Large Group) Solving Cases about Communication in Medicine <i>Pelin Hürmeriç</i>	RoI Play Session Handling Difficult Situations and Difficult Persons <i>Oğuzhan.</i> <i>Zahmacioğlu,</i> <i>Naz Berfu Akbaş</i>	

YEDİTEPE UNIVERSITY
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INTERNAL MEDICINE CLERKSHIP

LECTURERS

DISCIPLINE	FACULTY
ENDOCRINOLOGY	Hasan AYDIN, MD Assoc. Prof.
GASTROENTEROLOGY	Meltem ERGÜN, MD Assoc. Prof.
	Atakan YEŞİL, MD Assoc. Prof.
HEMATOLOGY	Hasan Atilla ÖZKAN, MD Assoc. Prof.
INTERNAL MEDICINE	Yaşar KÜÇÜKARDALI, MD Prof.
MEDICAL ONCOLOGY	Orhan Önder EREN, MD Assist. Prof.
RESPIRATORY SYSTEM	Banu MUSAFFA SALEPÇİ, MD Assoc. Prof.
NEPHROLOGY	Gülçin KANTARCI, MD Prof.
	The Head of Internal Medicine and Nephrology Department
	Zehra EREN, MD Assoc. Prof.
RHEUMATOLOGY	Müge BIÇAKÇIĞİL KALAYCI, MD Assoc. Prof.
HAYDARPAŞA NUMUNE TRAINING AND RESEARCH HOSPITAL (HTRH)	Refik DEMİRTUNÇ, MD Prof.
	Funda TÜRKMEN, MD 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
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**INTERNAL MEDICINE CLERKSHIP
ASSESSMENT TABLE**

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	36%
Extended Matching Questions	4%
Total	40%
Other Assessment Methods and Tools	Proportion (in Pass/Fail Decision)
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)	
Total	60 %
Pass/Fail Decision	Proportion (in Pass/Fail Decision)
Pencil-Paper Tests	40%
Other Assessment Methods and Tools	60%
Total	100 %

Incomplete Exam: Oral exam 50%, pencil-paper test 50%

INTERNAL MEDICINE CLERKSHIP PROGRAM Group A 11.09.2017-17.11.2017
WEEK I / 11-15 Sep. 2017

	Monday 11-Sep-2017	Tuesday 12-Sep-2017	Wednesday 13-Sep-2017	Thursday 14-Sep-2017	Friday 15-Sep-2017
10.00 -10.50	Introductory Session Introduction to Internal Medicine Clerkship <i>Müge Bıçakçığıl Kalaycı</i> <hr/> Lecture Taking History <i>Yaşar Küçükardalı</i>	Lecture Approach to the patient with pulmonary system symptoms and signs <i>Banu Musaffa Salepçi</i>	Lecture Evidence Based Approach to Pneumonia <i>Banu Musaffa Salepçi</i>	Lecture Chronic Obstructive Lung Disease and Cor Pulmonale <i>Banu Musaffa Salepçi</i>	Lecture Tuberculosis <i>Banu Musaffa Salepçi</i>
11.00 - 11.50	Lecture Examination of Head and Neck <i>Yaşar Küçükardalı</i>	Lecture Asthma <i>Banu Musaffa Salepçi</i>	Lecture Evidence Based Approach to Pneumonia <i>Banu Musaffa Salepçi</i>	Lecture Fever of Unknown Origin <i>Yaşar Küçükardalı</i>	Lecture Hypertensive Disorders in Pregnancy <i>Zehra Eren</i>
12.00- 12.50	Lunch	Lunch	Lunch	Lunch	Lunch
13.30- 14.20	Lecture Examination of Respiratory System <i>Banu Musaffa Salepçi</i>	Lecture Examination of Extremities <i>Müge Bıçakçığıl Kalaycı</i>	Lecture Approach to the Patient with Electrolyte Disorders <i>Zehra Eren</i>	Lecture Evidence Based Approach to the Patient with Hypertensive Disorders <i>Gülçin Kantarcı</i>	Lecture Hyperthyroidism <i>Hasan Aydın</i>
14.30 - 15.20	Lecture Examination of the Abdomen <i>Meltem Ergün</i>	Lecture Examination of Extremities <i>Müge Bıçakçığıl Kalaycı</i>	Lecture Approach to the Patient with Electrolyte Disorders <i>Zehra Eren</i>	Lecture Evidence Based Approach to the Patient with Hypertensive Disorders <i>Gülçin Kantarcı</i>	Lecture Hypothyroidism <i>Hasan Aydın</i>
15.30 - 17.30	Lecture	Independent Learning	Independent Learning	Independent Learning	Independent Learning

WEEK II / 18-22 Sep.2017

	Monday 18-Sep-2017	Tuesday 19-Sep-2017	Wednesday 20-Sep-2017	Thursday 21-Sep-2017	Friday 22-Sep-2017
10.00- 10.50	Lecture Acute Complications of Diabetes Mellitus <i>Hasan Aydın</i>	Lecture Liver Enzyme Disorder <i>Meltem Ergün</i>	Lecture Treatment of Diabetes Mellitus <i>Hasan Aydın</i>	Lecture Approach to the Patient with Acute Arthritis (Mono-oligo and Polyarthritis) <i>Müge Bıçakçıgil Kalaycı</i>	Lecture Approach to the Patient with Dyspepsia <i>Atakan Yeşil</i>
11.00-11.50	Lecture Chronic Complications of Diabetes Mellitus <i>Hasan Aydın</i>	Lecture Approach to Abdominal Pain <i>Meltem Ergün</i>	Lecture Approach to Patient with Diarrhea <i>Atakan Yeşil</i>	Lecture Acute liver failure <i>Meltem Ergün</i>	Lecture Gastrointestinal Bleeding <i>Atakan Yeşil</i>
12.00- 12.50	Lunch	Lunch	Lunch	Lunch	Lunch
13.30- 14.20	Lecture Pulmonary Thromboembolism <i>Banu Musaffa Salepçi</i>	Lecture Evidence Based Approach to the Patient Cirrhosis and Complications of Cirrhosis <i>Atakan Yeşil</i>	Lecture Nutritional Anemia and Interpretation of Peripheral Blood Smear <i>Hasan Atilla Özkan</i>	Lecture Acute and Chronic Leukemias <i>Hasan Atilla Özkan</i>	Lecture Evidence based Approach to the Patient with Acute Kidney Injury <i>Gülçin Kantarcı</i>
14.30- 15.20	Lecture Chronic Hepatitis <i>Meltem Ergün</i>	Lecture Ascites <i>Meltem Ergün</i>	Lecture Nutritional Anemia and Interpretation of Peripheral Blood Smear <i>Hasan Atilla Özkan</i>	Lecture Acute and Chronic Leukemias <i>Hasan Atilla Özkan</i>	Lecture Evidence based Approach to the Patient with Acute Kidney Injury <i>Gülçin Kantarcı</i>
15.30- -17.30	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 III / 25-29 Sep. 2017

	Monday 25-Sep-2017	Tuesday 26-Sep-2017	Wednesday 27-Sep-2017	Thursday 28-Sep-2017	Friday 29-Sep-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	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 Non-Cardiac Causes of Chest Pain <i>Yaşar Küçükardalı</i> <i>Müge Bıçakçığıl Kalaycı</i> <i>Meltem Ergün</i> <i>Banu Musaffa Salepçi</i>	Lecture Goiter and Thyroid Cancer <i>Hasan Aydın</i>	Lecture Bone Marrow Failure <i>Hasan Atilla Özkan</i>	Lecture Dysphagia <i>Meltem Ergün</i>	Lecture Approach to the Patient with Chronic Arthritis <i>Müge Bıçakçığıl Kalaycı</i>
14.30- 15.20	Lecture Non-Cardiac Causes of Chest Pain <i>Yaşar Küçükardalı</i> <i>Müge Bıçakçığıl Kalaycı</i> <i>Meltem Ergün</i> <i>Banu Musaffa Salepçi</i>	Lecture Sepsis and Septic Shock <i>Yaşar Küçükardalı</i>	Lecture Adrenal Insufficiency <i>Hasan Aydın</i>	Lecture Management of Hyperlipidemia <i>Yaşar Küçükardalı</i>	Lecture Approach to the Patient with Chronic Arthritis <i>Müge Bıçakçığıl Kalaycı</i>
15.30- 16.20	Clinical Skills Learning YUH (Physical Examination)	Clinical Skills Learning YUH (Physical Examination)	Clinical Skills Learning YUH (Physical Examination)	Clinical Skills Learning YUH (Physical Examination)	Clinical Skills Learning YUH (Physical Examination)
16.30-17.30					

WEEK IV / 02-06 Oct. 2017

	Monday 02-Oct-2017	Tuesday 03- Oct-2017	Wednesday 04-Oct-2017	Thursday 05-Oct-2017	Friday 06-Oct-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	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	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)
14.30- 15.20					
15.30- 16.20					
16.20-17.30					

WEEK V / 09-13 Oct. 2017

	Monday 09-Oct-2017	Tuesday 10-Oct-2017	Wednesday 11-Oct-2017	Thursday 12-Oct-2017	Friday 13-Oct-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 A1 Common OutPatient Clinic	Subgroup A1 Common OutPatient Clinic	Subgroup A1 Common OutPatient Clinic	Subgroup A1 Common OutPatient Clinic	Subgroup A1 Common OutPatient Clinic
	Subgroup A2 Clinical Experience InPatient	Subgroup A2 Clinical Experience InPatient	Subgroup A2 Clinical Experience InPatient	Subgroup A2 Clinical Experience InPatient	Subgroup A2 Clinical Experience InPatient
	Subgroup A3 Emergency Care Service	Subgroup A3 Emergency Care Service	Subgroup A3 Emergency Care Service	Subgroup A3 Emergency Care Service	Subgroup A3 Emergency Care Service
12.00- 12.50	Lunch	Lunch	Lunch	Lunch	Lunch
13.30- 14.20	Lecture Evidence Based Approach to the Patient with Chronic Kidney Disease <i>Gülçin Kantarcı</i>	Lecture Cushing's Syndrome <i>Hasan Aydın</i>	Lecture Approach to the Patient with Acid-Base Disorders <i>Zehra Eren</i>	Lecture Drug Interaction and Examples of Prescriptions <i>Yaşar Küçükardalı</i>	Lecture Acute Respiratory Distress Syndrome <i>Yaşar Küçükardalı</i>
14.30- 15.20	Lecture Evidence Based Approach to the Patient with Chronic Kidney Disease <i>Gülçin Kantarcı</i>	Lecture Plasma Cell Dyscrasias <i>Hasan Atilla Özkan</i>	Lecture Approach to the Patient with Acid-Base Disorders <i>Zehra Eren</i>	Lecture Drug Interaction and Examples of Prescriptions <i>Yaşar Küçükardalı</i>	Lecture Environmental Lung Diseases <i>Banu Musaffa Salepçi</i>
15.30- 16.20	Clinical Skills Learning YUH (Physical Examination)	Clinical Skills Learning YUH (Physical Examination)	Clinical Skills Learning YUH (Physical Examination)	Clinical Skills Learning YUH (Physical Examination)	Clinical Skills Learning YUH (Physical Examination)
16.20-17.30					

WEEK VI / 16-20 Oct. 2017

	Monday 16-Oct-2017	Tuesday 17- Oct-2017	Wednesday 18-Oct-2017	Thursday 19-Oct-2017	Friday 20-Oct-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	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	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)
14.30- 15.20					
15.30- 16.20					
16.20-17.30					

WEEK VII / 23-27 Oct. 2017

	Monday 23-Oct-2017	Tuesday 24-Oct-2017	Wednesday 25-Oct-2017	Thursday 26-Oct-2017	Friday 27-Oct-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 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 Connective Tissue Diseases <i>Müge Bıçakçığıl Kalaycı</i>	Lecture Approach to the Patient with Glomerular Diseases <i>Gülçin Kantarcı</i>	Lecture Hypoparathyroidism <i>Hasan Aydın</i>	Lecture Male Gonadal Diseases <i>Hasan Aydın</i>	Lecture Approach to Elderly Patients <i>Yaşar Küçükardalı</i>
14.30- 15.20	Lecture Diagnosis and Management of Hypercoagulopathy <i>Hasan Atilla Özkan</i>	Lecture Approach to the Patient with Glomerular Diseases <i>Gülçin Kantarcı</i>	Lecture Hyperparathyroidism <i>Hasan Aydın</i>	Lecture Evidence Based Screening and Early Diagnosis in Oncology <i>Orhan Önder Eren</i>	Lecture Approach to the Patient with Vasculitis <i>Müge Bıçakçığıl Kalaycı</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 / 30 Oct-03 Nov. 2017

	Monday 30-Oct-2017	Tuesday 31-Oct-2017	Wednesday 01-Nov-2017	Thursday 02-Nov-2017	Friday 03-Nov-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	<table border="1"> <tr> <td align="center">Subgroup A1 Emergency Care Service</td> <td align="center">Subgroup A2 Clinical Experience InPatient</td> <td align="center">Subgroup A3 Common OutPatient Clinic</td> </tr> </table>	Subgroup A1 Emergency Care Service	Subgroup A2 Clinical Experience InPatient	Subgroup A3 Common OutPatient Clinic	<table border="1"> <tr> <td align="center">Subgroup A1 Emergency Care Service</td> <td align="center">Subgroup A2 Clinical Experience InPatient</td> <td align="center">Subgroup A3 Common OutPatient Clinic</td> </tr> </table>	Subgroup A1 Emergency Care Service	Subgroup A2 Clinical Experience InPatient	Subgroup A3 Common OutPatient Clinic	<table border="1"> <tr> <td align="center">Subgroup A1 Emergency Care Service</td> <td align="center">Subgroup A2 Clinical Experience InPatient</td> <td align="center">Subgroup A3 Common OutPatient Clinic</td> </tr> </table>	Subgroup A1 Emergency Care Service	Subgroup A2 Clinical Experience InPatient	Subgroup A3 Common OutPatient Clinic	<table border="1"> <tr> <td align="center">Subgroup A1 Emergency Care Service</td> <td align="center">Subgroup A2 Clinical Experience InPatient</td> <td align="center">Subgroup A3 Common OutPatient Clinic</td> </tr> </table>	Subgroup A1 Emergency Care Service	Subgroup A2 Clinical Experience InPatient	Subgroup A3 Common OutPatient Clinic	<table border="1"> <tr> <td align="center">Subgroup A2 Clinical Experience InPatient</td> <td align="center">Subgroup A3 Common OutPatient Clinic</td> <td align="center">Subgroup A3 Common OutPatient Clinic</td> </tr> </table>	Subgroup A2 Clinical Experience InPatient	Subgroup A3 Common OutPatient Clinic	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																		
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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																		
12.00- 12.50	Lunch	Lunch	Lunch	Lunch	Lunch															
13.30- 14.20	Lecture Pre-malign lesions of colon <i>Atakan Yeşil</i>	Lecture Lecture Approach to the Patients with Lymphoproliferative Disorders Lymphomas <i>Hasan Atilla Özkan</i>	Lecture Lung Cancer <i>Orhan Önder Eren</i>	Lecture Metabolic Syndrome <i>Hasan Aydın</i>	Lecture Oncologic Emergencies <i>Orhan Önder Eren</i>															
14.30- 15.20	Lecture Colorectal Cancer <i>Orhan Önder Eren</i>	Lecture Approach to the Patients with Lymphoproliferative Disorders Lymphomas <i>Hasan Atilla Özkan</i>	Lecture Breast Cancer <i>Orhan Önder Eren</i>	Lecture Endocrine Hypertension <i>Hasan Aydın</i>	Lecture Management of Cancer Pain <i>Orhan Önder Eren</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 IX 06-10 Nov. 2017

	Monday 06-Nov-2017	Tuesday 07-Nov-2017	Wednesday 08-Nov-2017	Thursday 09-Nov-2017	Friday 10-Nov-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	<table border="1"> <tr> <td align="center">Subgroup A1 Emergency Care Service</td> <td align="center">Subgroup A2 Clinical Experience InPatient</td> <td align="center">Subgroup A3 Common OutPatient Clinic</td> </tr> </table>	Subgroup A1 Emergency Care Service	Subgroup A2 Clinical Experience InPatient	Subgroup A3 Common OutPatient Clinic	<table border="1"> <tr> <td align="center">Subgroup A1 Emergency Care Service</td> <td align="center">Subgroup A2 Clinical Experience InPatient</td> <td align="center">Subgroup A3 Common OutPatient Clinic</td> </tr> </table>	Subgroup A1 Emergency Care Service	Subgroup A2 Clinical Experience InPatient	Subgroup A3 Common OutPatient Clinic	<table border="1"> <tr> <td align="center">Subgroup A1 Emergency Care Service</td> <td align="center">Subgroup A2 Clinical Experience InPatient</td> <td align="center">Subgroup A3 Common OutPatient Clinic</td> </tr> </table>	Subgroup A1 Emergency Care Service	Subgroup A2 Clinical Experience InPatient	Subgroup A3 Common OutPatient Clinic	<table border="1"> <tr> <td align="center">Subgroup A1 Emergency Care Service</td> <td align="center">Subgroup A2 Clinical Experience InPatient</td> <td align="center">Subgroup A3 Common OutPatient Clinic</td> </tr> </table>	Subgroup A1 Emergency Care Service	Subgroup A2 Clinical Experience InPatient	Subgroup A3 Common OutPatient Clinic	<table border="1"> <tr> <td align="center">Subgroup A2 Clinical Experience InPatient</td> <td align="center">Subgroup A3 Common OutPatient Clinic</td> <td align="center">Subgroup A3 Common OutPatient Clinic</td> </tr> </table>	Subgroup A2 Clinical Experience InPatient	Subgroup A3 Common OutPatient Clinic	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 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																		
12.00- 12.50	Lunch	Lunch	Lunch	Lunch	Lunch															
13.30- 14.20	Lecture Metabolic Bone Disease <i>Hasan Aydın</i>	Lecture Stem Cell Transplantation <i>Hasan Atilla Özkan</i>	Lecture Principles of Chemotherapy and Complications <i>Orhan Önder Eren</i>	Independent Learning	Independent Learning															
14.30- 15.20	Lecture Metabolic Bone Disease <i>Hasan Aydın</i>	Hereditary Cancers and Genetic Counselling in Cancer; Basic Principles <i>Ayşegül Kuşkucu</i>	Lecture Immuno Therapy and Targeted Therapies in Oncology <i>Orhan Önder Eren</i>																	
15.30- 16.20	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning															
16.20-17.30																				

WEEK X / 13- 17 Nov. 2017

	Monday 13-Nov-2017	Tuesday 14- Nov-2017	Wednesday 15- Nov-2017	Thursday 16- Nov-2017	Friday 17- Nov-2017
09.00- 12.00	Independent Learning	Independent Learning	Assessment Session (Written Exam)	Independent Learning	Assessment Session (Final Exam)
13.00- 14.00			Program Evaluation Session Review of the Exam Questions, Evaluation of the Clearship Program		
14.00-17.30			Independent Learning		

INTERNAL MEDICINE CLERKSHIP PROGRAM-GROUP B 04.12.2017 - 09.02.2018

WEEK 1 / 04-08 Dec. 2017

	Monday 04-Dec-2017	Tuesday 05-Dec-2017	Wednesday 06-Dec-2017	Thursday 07-Dec-2017	Friday 08-Dec-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	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	Introductory Session Introduction to Internal Medicine Clerkship <i>Müge Bıçakçıgil Kalaycı</i>	Lecture Examination of Respiratory System <i>Banu Musaffa Salepçi</i>	Lecture Examination of Extremities <i>Müge Bıçakçıgil Kalaycı</i>	Lecture Approach to the Symptoms of Pulmonary System <i>Banu Musaffa Salepçi</i>	Lecture Chronic Obstructive Lung Disease and Corpulmonale <i>Banu Musaffa Salepçi</i>
	Lecture Taking History <i>Yaşar Küçükardalı</i>				
14.30- 15.20	Lecture Examination of Head and Neck <i>Yaşar Küçükardalı</i>	Lecture Examination of the Abdomen <i>Meltem Ergün</i>	Lecture Examination of Extremities <i>Müge Bıçakçıgil Kalaycı</i>	Lecture Asthma <i>Banu Musaffa Salepçi</i>	Lecture Fever of Unknown Origin <i>Yaşar Küçükardalı</i>
15.30- 17.30	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

WEEK II / 11-15 Dec.2017

	Monday 11-Dec-2017	Tuesday 12-Dec-2017	Wednesday 13-Dec-2017	Thursday 14-Dec-2017	Friday 15-Dec-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	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>Banu Musaffa Salepçi</i>	Lecture Approach to the Patient with Electrolyte Disorders <i>Zehra Eren</i>	Lecture Evidence Based Approach to the Patient with Hypertensive Disorders <i>Gülçin Kantarcı</i>	Lecture Hyperthyroidism <i>Hasan Aydın</i>	Lecture Tuberculosis <i>Banu Musaffa Salepçi</i>
14.30- 15.20	Lecture Evidence Based Approach to Pneumonia <i>Banu Musaffa Salepçi</i>	Lecture Approach to the Patient with Electrolyte Disorders <i>Zehra Eren</i>	Lecture Evidence Based Approach to the Patient with Hypertensive Disorders <i>Gülçin Kantarcı</i>	Lecture Hypothyroidism <i>Hasan Aydın</i>	Lecture Hypertensive Disorders in Pregnancy <i>Zehra Eren</i>
15.30- 16.20	Clinical Skills Learning YUH	Clinical Skills Learning YUH	Clinical Skills Learning YUH	Clinical Skills Learning YUH	Clinical Skills Learning YUH
16.30-17.30	(History Taking)	(History Taking)	(History Taking)	(History Taking)	(History Taking)

WEEK III / 18-22 Dec. 2017

	Monday 18-Dec-2017	Tuesday 19-Dec-2017	Wednesday 20-Dec-2017	Thursday 21-Dec-2017	Friday 22-Dec-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	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 Acute Complications of Diabetes Mellitus <i>Hasan Aydın</i>	Lecture Treatment of Diabetes Mellitus <i>Hasan Aydın</i>	Lecture Liver Enzyme Disorder <i>Meltem Ergün</i>	Lecture Approach to the Patient with Acute Arthritis (Mono-oligo and Polyarthritis) <i>Müge Bıçakçıgil Kalaycı</i>	Lecture Approach to the Patient with Dyspepsia <i>Atakan Yeşil</i>
14.30- 15.20	Lecture Chronic Complications of Diabetes Mellitus <i>Hasan Aydın</i>	Lecture Approach to Abdominal Pain <i>Meltem Ergün</i>	Lecture Approach to patient with diarrhea <i>Atakan Yeşil</i>	Lecture Acute liver failure <i>Meltem Ergün</i>	Lecture Gastrointestinal Bleeding <i>Atakan Yeşil</i>
15.30- 16.20	Clinical Skills Learning YUH (Physical Examination)	Clinical Skills Learning YUH (Physical Examination)	Clinical Skills Learning YUH (Physical Examination)	Clinical Skills Learning YUH (Physical Examination)	Clinical Skills Learning YUH (Physical Examination)
16.30-17.30					

WEEK IV / 25-29 Dec. 2017

	Monday 25-Dec-2017	Tuesday 26-Dec-2017	Wednesday 27-Dec-2017	Thursday 28-Dec-2017	Friday 29-Dec-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)
	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 Pulmonary Thromboembolism <i>Banu Musaffa Salepçi</i>	Lecture Evidence Based Approach to the Patient Cirrhosis and Complications of Cirrhosis <i>Atakan Yeşil</i>	Lecture Nutritional anemia and interpretation of peripheral blood smear <i>Hasan Atilla Özkan</i>	Lecture Acute and Chronic Leukemias <i>Hasan Atilla Özkan</i>	Lecture Evidence based Approach to the Patient with Acute Kidney Injury <i>Gülçin Kantarcı</i>
14.30- 15.20	Lecture Chronic Hepatitis <i>Meltem Ergün</i>	Lecture Ascites <i>Meltem Ergün</i>	Lecture Nutritional Anemia and Interpretation of Peripheral Blood Smear <i>Hasan Atilla Özkan</i>	Lecture Acute and Chronic Leukemias <i>Hasan Atilla Özkan</i>	Lecture Evidence based Approach to the Patient with Acute Kidney Injury <i>Gülçin Kantarcı</i>
15.30- 16.20	Clinical Skills Learning YUH (Physical Examination)	Clinical Skills Learning YUH (Physical Examination)	Clinical Skills Learning YUH (Physical Examination)	Clinical Skills Learning YUH (Physical Examination)	Clinical Skills Learning YUH (Physical Examination)
16.20-17.30					

WEEK V / 01-05 Jan. 2018

	Monday 01-Jan-2018	Tuesday 02-Jan-2018	Wednesday 03-Jan-2018	Thursday 04-Jan-2018	Friday 05-Jan-2018									
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	<i>New Year Holiday</i>	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		<i>New Year Holiday</i>	Lecture Goiter and Thyroid Cancer <i>Hasan Aydın</i>			Lecture Bone marrow failure <i>Hasan Atilla Özkan</i>			Lecture Dysphagia <i>Meltem Ergün</i>			Lecture Approach to the Patient with Chronic Arthritis <i>Müge Bıçakçığıl Kalaycı</i>		
14.30- 15.20			Lecture Sepsis and Septic Shock <i>Yaşar Küçükardalı</i>			Lecture Adrenal Insufficiency <i>Hasan Aydın</i>			Lecture Management of Hyperlipidemia <i>Yaşar Küçükardalı</i>			Lecture Approach to the Patient with Chronic Arthritis <i>Müge Bıçakçığıl Kalaycı</i>		
15.30- 16.20			Clinical Skills Learning YUH (Physical Examination)			Clinical Skills Learning YUH (Physical Examination)			Clinical Skills Learning YUH (Physical Examination)			Clinical Skills Learning YUH (Physical Examination)		
16.20-17.30	Clinical Skills Learning YUH (Physical Examination)			Clinical Skills Learning YUH (Physical Examination)			Clinical Skills Learning YUH (Physical Examination)			Clinical Skills Learning YUH (Physical Examination)				

WEEK VI / 08-12 Jan. 2018

	Monday 08-Jan-2018	Tuesday 09-Jan-2018	Wednesday 10-Jan-2018	Thursday 11-Jan-2018	Friday 12-Jan-2018
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 Acid-Base Disorders <i>Zehra Eren</i>	Lecture Approach to the Patient with Glomerular Diseases <i>Gülçin Kantarcı</i>	Lecture Evidence Based Approach to the Patient with Chronic Kidney Disease <i>Gülçin Kantarcı</i>	Lecture Non-Cardiac Causes of Chest Pain <i>Yaşar Küçükardalı</i> <i>Müge Bıçakçıgil Kalaycı</i> <i>Meltem Ergün</i> <i>Banu Musaffa Salepçi</i>	Hereditary thrombophilia and disorders of primary hemostasis Diagnosis and Management of Hypercoagulopathy <i>Hasan Atilla Özkan</i>
14.30- 15.20	Lecture Approach to the Patient with Acid-Base Disorders <i>Zehra Eren</i>	Lecture Approach to the Patient with Glomerular Diseases <i>Gülçin Kantarcı</i>	Lecture Evidence Based Approach to the Patient with Chronic Kidney Disease <i>Gülçin Kantarcı</i>	Lecture Non-Cardiac Causes of Chest Pain <i>Yaşar Küçükardalı</i> <i>Müge Bıçakçıgil Kalaycı</i> <i>Meltem Ergün</i> <i>Banu Musaffa Salepçi</i>	Lecture Environmental Lung Diseases <i>Banu Musaffa Salepçi</i>
15.30- 16.20	Lecture Cushing's Syndrome <i>Hasan Aydın</i>	Discussion Small Group YUH	Discussion Small Group YUH	Discussion Small Group YUH	Discussion Small Group YUH
16.30- 17.30	Discussion Small Group YUH				

WEEK VII / 15-19 Jan.2018

	Monday 15-Jan-2018	Tuesday 16-Jan-2018	Wednesday 17-Jan-2018	Thursday 18-Jan-2018	Friday 19-Jan-2018
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	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%; text-align: center;">Subgroup A1 Clinical Experience InPatient</div> <div style="width: 30%; text-align: center;">Subgroup A2 Common OutPatient Clinic</div> <div style="width: 30%; text-align: center;">Subgroup A3 Clinical Experience InPatient</div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%; text-align: center;">Subgroup A1 Clinical Experience InPatient</div> <div style="width: 30%; text-align: center;">Subgroup A2 Common OutPatient Clinic</div> <div style="width: 30%; text-align: center;">Subgroup A3 Clinical Experience InPatient</div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%; text-align: center;">Subgroup A1 Clinical Experience InPatient</div> <div style="width: 30%; text-align: center;">Subgroup A2 Common OutPatient Clinic</div> <div style="width: 30%; text-align: center;">Subgroup A3 Clinical Experience InPatient</div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%; text-align: center;">Subgroup A1 Clinical Experience InPatient</div> <div style="width: 30%; text-align: center;">Subgroup A2 Common OutPatient Clinic</div> <div style="width: 30%; text-align: center;">Subgroup A3 Clinical Experience InPatient</div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%; text-align: center;">Subgroup A1 Clinical Experience InPatient</div> <div style="width: 30%; text-align: center;">Subgroup A2 Common OutPatient Clinic</div> <div style="width: 30%; text-align: center;">Subgroup A3 Clinical Experience InPatient</div> </div>
12.00- 12.50	Lunch	Lunch	Lunch	Lunch	Lunch
13.30- 14.20	Lecture Approach to the Patient with Connective Tissue Diseases <i>Müge Bıçakçığıl Kalaycı</i>	Lecture Drug Interaction and examples of prescriptions <i>Yaşar Küçükardalı</i>	Lecture Hypoparathyroidism <i>Hasan Aydın</i>	Lecture Evidence Based Screening and Early Diagnosis in Oncology <i>Orhan Önder Eren</i>	Lecture Approach to Elderly Patients <i>Yaşar Küçükardalı</i>
14.30- 15.20	Lecture Approach to the Patient with Vasculitis <i>Müge Bıçakçığıl Kalaycı</i>	Lecture Drug Interaction and Examples of Prescriptions <i>Yaşar Küçükardalı</i>	Lecture Hyperparathyroidism <i>Hasan Aydın</i>	Lecture Male Gonadal Diseases <i>Hasan Aydın</i>	Lecture Acute Respiratory Distress Syndrome <i>Yaşar Küçükardalı</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 / 22-26 Jan. 2018

	Monday 22-Jan-2018	Tuesday 23-Jan-2018	Wednesday 24-Jan-2018	Thursday 25-Jan-2018	Friday 26-Jan-2018
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	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%; text-align: center;">Subgroup A1 Emergency Care Service</div> <div style="width: 30%; text-align: center;">Subgroup A2 Clinical Experience InPatient</div> <div style="width: 30%; text-align: center;">Subgroup A3 Common OutPatient Clinic</div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%; text-align: center;">Subgroup A1 Emergency Care Service</div> <div style="width: 30%; text-align: center;">Subgroup A2 Clinical Experience InPatient</div> <div style="width: 30%; text-align: center;">Subgroup A3 Common OutPatient Clinic</div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%; text-align: center;">Subgroup A1 Emergency Care Service</div> <div style="width: 30%; text-align: center;">Subgroup A2 Clinical Experience InPatient</div> <div style="width: 30%; text-align: center;">Subgroup A3 Common OutPatient Clinic</div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%; text-align: center;">Subgroup A1 Emergency Care Service</div> <div style="width: 30%; text-align: center;">Subgroup A2 Clinical Experience InPatient</div> <div style="width: 30%; text-align: center;">Subgroup A3 Common OutPatient Clinic</div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%; text-align: center;">Subgroup A2 Clinical Experience InPatient</div> <div style="width: 30%; text-align: center;">Subgroup A3 Common OutPatient Clinic</div> <div style="width: 30%; text-align: center;">Subgroup A3 Common OutPatient Clinic</div> </div>
12.00- 12.50	Lunch	Lunch	Lunch	Lunch	Lunch
13.30- 14.20	Lecture Pre-malign Lesions of Colon <i>Atakan Yeşil</i>	Lecture Lung Cancer <i>Orhan Önder Eren</i>	Lecture Approach to the Patients with Lymphoproliferative Disorders and Lymphomas <i>Hasan Atilla Özkan</i>	Lecture Metabolic Syndrome <i>Hasan Aydın</i>	Lecture Oncologic Emergencies <i>Orhan Önder Eren</i>
14.30- 15.20	Lecture Colorectal Cancer <i>Orhan Önder Eren</i>	Lecture Breast Cancer <i>Orhan Önder Eren</i>	Lecture Approach to the Patients with Lymphoproliferative Disorders and Lymphomas <i>Hasan Atilla Özkan</i>	Lecture Endocrine Hypertension <i>Hasan Aydın</i>	Lecture Management of Cancer Pain <i>Orhan Önder Eren</i>
15.30- 16.20	Lecture Plasma Cell Dyscrasias <i>Hasan Atilla Özkan</i>	Independent Learning	Independent Learning	Independent Learning	Independent Learning
16.20-17.30	Independent Learning				

WEEK IX/ 29 Jan-02 Feb. 2017

	Monday 29-Jan-2018	Tuesday 30-Jan-2018	Wednesday 31-Jan-2018	Thursday 01-Feb-2018	Friday 02-Feb-2018
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	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%; text-align: center;">Subgroup A1 Emergency Care Service</div> <div style="width: 30%; text-align: center;">Subgroup A2 Clinical Experience InPatient</div> <div style="width: 30%; text-align: center;">Subgroup A3 Common OutPatient Clinic</div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%; text-align: center;">Subgroup A1 Emergency Care Service</div> <div style="width: 30%; text-align: center;">Subgroup A2 Clinical Experience InPatient</div> <div style="width: 30%; text-align: center;">Subgroup A3 Common OutPatient Clinic</div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%; text-align: center;">Subgroup A1 Emergency Care Service</div> <div style="width: 30%; text-align: center;">Subgroup A2 Clinical Experience InPatient</div> <div style="width: 30%; text-align: center;">Subgroup A3 Common OutPatient Clinic</div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%; text-align: center;">Subgroup A1 Emergency Care Service</div> <div style="width: 30%; text-align: center;">Subgroup A2 Clinical Experience InPatient</div> <div style="width: 30%; text-align: center;">Subgroup A3 Common OutPatient Clinic</div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%; text-align: center;">Subgroup A2 Clinical Experience InPatient</div> <div style="width: 30%; text-align: center;">Subgroup A3 Common OutPatient Clinic</div> <div style="width: 30%; text-align: center;">Subgroup A3 Common OutPatient Clinic</div> </div>
12.00- 12.50	Lunch	Lunch	Lunch	Lunch	Lunch
13.30- 14.20	Lecture Metabolic Bone Disease <i>Hasan Aydın</i>	Lecture Stem Cell Transplantation <i>Hasan Atilla Özkan</i>	Lecture Principles of Chemotherapy and Complications <i>Orhan Önder Eren</i>	Independent Learning	Independent Learning
14.30- 15.20	Lecture Metabolic Bone Disease <i>Hasan Aydın</i>	Hereditary Cancers and Genetic Counselling in Cancer; Basic Principles <i>Ayşegül Kuşkucu</i>	Lecture Immuno-therapy and Targeted Therapies in Oncology <i>Orhan Önder Eren</i>		
15.30- 17.30	Independent Learning	Independent Learning	Independent Learning		

WEEK X / 13- 17 Nov. 2017

	Monday 05-Feb-2018	Tuesday 06-Feb-2018	Wednesday 07-Feb-2018	Thursday 08-Feb-2018	Friday 09-Feb-2018
09.00- 12.00	Independent Learning	Independent Learning	Assessment Session (Written Exam)	Independent Learning	Assessment Session (Final Exam)
13.00- 14.00			Program Evaluation Session Review of the Exam Questions, Evaluation of the Clearship Program		
14.00-17.30			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.

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

Seyhan Perihan Çobanoğlu Saf, 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.

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

CHILD HEALTH and PEDIATRICS - Group B WEEK I / 11-15 Sep. 2017

	Monday 11-Sep-2017	Tuesday 12-Sep-2017	Wednesday 13-Sep-2017	Thursday 14-Sep-2017	Friday 15-Sep-2017
09.00- 09:50	Lecture Introduction to Pediatrics History Taking -1 <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)
10.00- 10.50	Lecture Introduction to Pediatrics History Taking -2 <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	Lecture 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)
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>	Lecture Respiratory System Examination <i>Hülya Sarıçoban</i>	Lecture Cardiovascular System Examination & Electrocardiographic Principles <i>Hülya Sarıçoban</i> <i>Endi Romano</i>	Lecture Pediatric Basic and Advanced Life Support -1 <i>Mustafa Berber</i> <i>Perihan Saf</i>	Lecture Pediatric Assessment in Pediatric Emergency Department <i>Mustafa Berber</i> <i>Perihan Saf</i>
14.00- 14.50	Lecture Basic Principles and Practice of Clinical Biochemistry-2 <i>Serdar Öztezcan</i>	Lecture Neurological Examination <i>Hülya Sarıçoban</i> <i>Tuba Giray</i>	Lecture Gastrointestinal and Genitourinary System Examination <i>Meltem Uğraş</i>	Lecture Pediatric Basic and Advanced Life Support -2 <i>Mustafa Berber</i> <i>Perihan Saf</i>	Lecture Neonatal Hyperbilirubinemia <i>Filiz Bakar</i>
15.00- 15.50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning
16.00-16.50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

Group B WEEK II / 18-22 Sep. 2017

	Monday 18-Sep-2017	Tuesday 19-Sep-2017	Wednesday 20-Sep-2017	Thursday 21-Sep-2017	Friday 22-Sep-2017
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	Lecture Constipation <i>Meltem Uğraş</i>	Lecture Diseases of Myocardium and Pericardium <i>Sabri Kemahlı</i> <i>Endi Romano</i>	Lecture Neonatal Respiratory Distress <i>Mustafa Berber</i>	Lecture Approach to Nutrition <i>Meltem Uğraş</i>	Lecture Coma and Stroke <i>Meltem Uğraş</i> <i>Derun Torlak</i>
11.00-11.50	Lecture GIS Bleeding <i>Meltem Uğraş</i>	Lecture Acute Rheumatic Fever and Infective Endocarditis <i>Hülya Sariçoban</i> <i>Tuba Giray</i>	Lecture Immunization Principles and Vaccination <i>Mustafa Berber</i>	Lecture Malnutrition & Obesity <i>Meltem Uğraş</i>	Lecture Asthma <i>Hülya Sariçoban</i>
12.00- 12.50	Lunch	Lunch	Lunch	Lunch	Lunch
13.00- 13.50	Lecture Renal and Liver Function Tests, Electrolytes and Acid-Base Balance <i>Jale Çoban</i>	Lecture Atopic dermatitis and allergic rhinitis <i>Hülya Sariçoban</i>	Lecture Respiratory Failure <i>Hülya Sariçoban</i> <i>Derun Torlak</i>	Lecture Growth, Development, and Growth Retardation-1 <i>Meltem Uğraş</i> <i>Belma Haliloğlu</i>	Lecture Upper Respiratory Tract Infections <i>Hülya Sariçoban</i>
14.00- 14.50	Lecture Urinalysis and Other Body Fluids <i>Jale Çoban</i>	Lecture Prematurity, Postmaturity <i>Filiz Bakar</i>	Lecture Approach to the Child with Fever and Fever of Unknown Origin <i>Filiz Bakar</i> <i>Perihan Saf</i>	Lecture Growth, Development, and Growth Retardation -2 <i>Meltem Uğraş</i> <i>Belma Haliloğlu</i>	Lecture Lower Respiratory Tract Infections <i>Hülya Sariçoban</i>
15.00- 15.50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning
16.00-16.50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

Group B WEEK III / 25-29 Sep. 2017

	Monday 25-Sep-2017	Tuesday 26-Sep-2017	Wednesday 27-Sep-2017	Thursday 28-Sep-2017	Friday 29-Sep-2017
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 Perinatal Asphyxia, Cerebral Palsy, Neonatal Resuscitation, and Neonatal Transport-1 <i>Filiz Bakar</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Lecture Approach to Urticaria and Anaphylaxis <i>Hülya Sarıçoban</i>	Lecture Calcium Metabolism, Hyperparatiroidism, Hypoparatiroidism <i>Meltem Uğraş Belma Haliloğlu</i>	Lecture Congestive Heart Failure <i>Sabri Kemahlı Endi Romano</i>
14.00- 14.50	Lecture Perinatal Asphyxia, Cerebral Palsy, Neonatal Resuscitation, and Neonatal Transport-2 <i>Filiz Bakar</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 Thyroid Disorders and Congenital Hypothyroidism <i>Filiz Bakar Belma Haliloğlu</i>	Lecture Congenital Heart Diseases <i>Filiz Bakar Tuba Giray</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	<i>Independent Learning</i>		Independent Learning	Independent Learning	Independent Learning

Group B WEEK IV / 02-06 Oct. 2017

	Monday 02-Oct-2017	Tuesday 03-Oct-2017	Wednesday 04-Oct-2017	Thursday 05-Oct-2017	Friday 06-Oct-2017
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 Acute Gastroenteritis and Parasitosis <i>Meltem Uğraş</i> <i>Tuba Giray</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Lecture Vitamin Deficiencies and Rickets -1 <i>Yasemin Akın</i> (Kartal LKRH)	Lecture Fluid and Electrolyte Disorders-1 <i>Filiz Bakar</i> <i>Perihan Saf</i>	Lecture Acid-Base Disorders <i>Mustafa Berber</i>
14.00- 14.50	Lecture Viral Paralytic Diseases <i>Sema Yılmaz</i> <i>Endi Romano</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Lecture Vitamin Deficiencies and Rickets -2 <i>Yasemin Akın</i> (Kartal LKRH)	Lecture Fluid and Electrolyte Disorders-2 <i>Filiz Bakar</i> <i>Perihan Saf</i>	Lecture Intoxications <i>Mustafa berber</i> <i>Derun Torlak</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

Group B WEEK V / 09-13 Oct. 2017

	Monday 09-Oct-2017	Tuesday 10-Oct-2017	Wednesday 11-Sep-2017	Thursday 12-Oct-2017	Friday 13-Oct-2017
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 Evaluation of Endocrine Function <i>Serdar Öztezcan</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Lecture Urinary Tract Infections and Tubulopathies <i>Filiz Bakar</i>	Lecture Acute and Chronic Renal Failure <i>Filiz Bakar</i> <i>Tuba Giray</i>	Lecture Tuberculosis <i>Hülya Sarıçoban</i>
14.00- 14.50	Lecture Cardiac Markers <i>Serdar Öztezcan</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Lecture Hypertension <i>Mustafa Berber</i>	Lecture Connective Tissue Diseases and Vasculitic Syndromes <i>Mustafa Berber</i>	Lecture Diagnostic Methods in Infectious Diseases <i>İ. Çağatay Acuner</i>
15.00- 15.50	Lecture Carbohydrates and Diabetes Mellitus <i>Serdar Öztezcan</i>	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

GROUP B WEEK VI / 16-20 Oct. 2017

	Monday 16-Oct-2017	Tuesday 17-Oct-2017	Wednesday 18-Oct-2017	Thursday 19-Oct-2017	Friday 20-Oct-2017
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	
13.00- 13.50	Lecture Acute Glomerulonephritis <i>Filiz Bakar</i> <i>Derun Torlak</i>	Clinical Experience (InPatient-OutPatient-(YUH&LKRH) (All Subgroups)	Lecture Maculopapular-Vesicular Diseases <i>Mustafa Berber</i> <i>Tuba Giray</i>	Lecture Neonatal Infections <i>Mustafa Berber</i>	Lecture Sepsis and Meningococemia <i>Hülya Sarıçoban</i> <i>Endi Romano</i>
14.00- 14.50	Lecture Nephrotic Syndrome <i>Filiz Bakar</i> <i>Endi Romano</i>	Clinical Experience (InPatient-OutPatient-(YUH&LKRH) (All Subgroups)	Lecture Tetanus, Diphteria, Mumps, And Pertussis <i>Mustafa Berber</i> <i>Endi Romano</i>	Lecture Approach to Intrauterin Infections <i>Mustafa Berber</i>	Lecture Infections of CNS <i>Hülya Sarıçoban</i> <i>Tuba Giray</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

GROUP B WEEK VII / 23-27 Oct. 2017

	Monday 23-Oct-2017	Tuesday 24-Oct-2017	Wednesday 25-Oct-2017	Thursday 26-Oct-2017	Friday 27-Oct-2017
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 Abdominal Pain and Peptic Diseases, H. Pylori Infection, Gastroesophageal Reflux <i>Meltem Uğraş</i>	Clinical Experience (InPatient-OutPatient-(YUH&LKRH) (All Subgroups)	Lecture Malabsorption and Celiac Disease <i>Meltem Uğraş</i>	Lecture Diabetic Ketoacidosis <i>Mustafa Berber</i> <i>Belma Haliloğlu</i>	Lecture Hepatitis <i>Meltem Uğraş</i>
14.00- 14.50	Lecture Inflammatory Bowel Diseases <i>Meltem Uğraş</i>	Clinical Experience (InPatient-OutPatient-(YUH&LKRH) (All Subgroups)	Lecture Inborn Errors of Metabolism <i>Sema Yılmaz</i> <i>Belma Haliloğlu</i>	Lecture Diabetes Mellitus <i>Mustafa Berber</i> <i>Belma Haliloğlu</i>	Lecture Cirrhosis and Portal Hypertension <i>Meltem Uğraş</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

GROUP B WEEK VIII / 30 Oct.-03 Nov. 2017

	Monday 30-Oct-2017	Tuesday 31-Oct-2017	Wednesday 01-Nov-2017	Thursday 02-Nov-2017	Friday 03-Nov-2017
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 Approach to the Patient with Convulsion <i>Sema Yilmaz</i> <i>Perihan Saf</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Lecture Haemoglobinopathies (Thalassemia and Sickle Cell Anemia) <i>Buket Erer DelCastello</i>	Lecture Introduction to Pediatric Oncology; Lymph Nodes and Abdominal Masses <i>Sema Yilmaz</i>	Lecture Approach to Immun Deficiencies-1 <i>Hülya Sariçoban</i>
14.00- 14.50	Lecture Hematology and Coagulation <i>Jale Çoban</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Lecture Hemopoetic Stem Cell and Transplantation & Cell Therapies <i>Buket Erer DelCastello</i>	Lecture Malignancy in Childhood <i>Sema Yilmaz</i>	Lecture Approach to Immun Deficiencies-2 <i>Hülya Sariçoban</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

GROUP B WEEK IX / 06-10 Nov.2017

	Monday 06-Nov-2017	Tuesday 07-Nov-2017	Wednesday 08-Nov-2017	Thursday 09-Nov-2017	Friday 10-Nov-2017
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 Cystic Fibrosis and Wheezy Infant <i>Hülya Sariçoban</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Lecture Hematological and Metabolic Disorders in Newborn <i>Mustafa Berber</i>	Lecture Adrenal Hypofunction and Hypophyseal Diseases (Cushing Syndrome, Diabetes Insipidus, Hyperthyroidism)-1 <i>Mustafa Berber</i> <i>Belma Haliloğlu</i>	Lecture Introduction to Anemia, Iron Deficiency Anemia and Nutritional Anemias <i>Sabri Kemahli</i>
14.00- 14.50	Lecture Shock <i>Hülya Sariçoban</i> <i>Derun Torlak</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Lecture Neonatal Convulsions <i>Mustafa Berber</i>	Adrenal Hypofunction and Hypophyseal Diseases (Cushing Syndrome, Diabetes Insipidus, Hyperthyroidism)-2 <i>Mustafa Berber</i> <i>Belma Haliloğlu</i>	Lecture 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	Lecture Haemophilia, Thrombosis and Disseminated Intravascular Coagulation <i>Sabri Kemahli</i>
16.00-16.50	Independent Learning		Independent Learning	Independent Learning	Independent Learning

GROUP B WEEK X / 13-17 Nov. 2017

	Monday 13-Nov-2017	Tuesday 14-Nov-2017	Wednesday 15-Nov-2017	Thursday 16-Nov-2016	Friday 17-Nov-2017
09.00- 09:50	Mini Clinical Exam	Mini Clinical Exam	Mini Clinical Exam	Assessment Session (Written Exam)	Assessment Session (Oral Exam)
10.00- 10.50					
11.00-11.50					
12.00- 12.50	Lunch	Lunch	Lunch	Lunch	
13.00- 13.50	Mini Clinical Exam	Mini Clinical Exam	Mini Clinical Exam	Discussion of Written Exam	Program Evaluation Session Review of the Exam Questions, Evaluation of the Clearship Program
14.00- 14.50					
15.00- 15.50	Independent Learning	Independent Learning	Independent Learning		
16.00-16.50					

CHILD HEALTH and PEDIATRICS - GROUP A WEEK I / 04 - 08 Dec. 2017

	Monday 04-Dec-2017	Tuesday 05-Dec-2017	Wednesday 06-Dec-2017	Thursday 07-Dec-2017	Friday 08-Dec-2017
09.00- 09:50	Lecture Introduction to Pediatrics History Taking-1 <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)
10.00- 10.50	Lecture Introduction to Pediatrics History Taking-2 <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	Lecture 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)
12.00- 12.50	Lunch	Lunch	Lunch	Lunch	Lunch
13.00- 13.50	Lecture Respiratory System Examination <i>Hülya Sarıçoban</i>	Lecture Neurological Examination <i>Hülya Sarıçoban</i> <i>Tuba Giray</i>	Lecture Pediatric Assessment in Pediatric Emergency Department <i>Mustafa Berber</i> <i>Perihan Saf</i>	Lecture Approach to Nutrition <i>Meltem Uğraş</i>	Lecture Neonatal Hyperbilirubinemia <i>Filiz Bakar</i>
14.00- 14.50	Lecture Cardiovascular System Examination and Electrocardiographic Principles <i>Hülya Sarıçoban</i> <i>Endi Romano</i>	Lecture Perinatal Asphyxia, Cerebral Palsy, Neonatal Resuscitation, and Neonatal Transport-1 <i>Filiz Bakar</i>	Lecture Pediatric Basic and Advanced life Support -1 <i>Mustafa Berber</i> <i>Perihan Saf</i>	Lecture Malnutrition & Obesity <i>Meltem Uğraş</i>	Lecture Immunization Principles and Vaccination <i>Mustafa Berber</i>
15.00- 15.50	Lecture Gastrointestinal and Genitourinary System Examination <i>Meltem Uğraş</i>	Lecture Perinatal Asphyxia, Cerebral Palsy, Neonatal Resuscitation, and Neonatal Transport-2 <i>Filiz Bakar</i>	Lecture Pediatric Basic and Advanced Life Support -2 <i>Mustafa Berber</i> <i>Perihan Saf</i>	Lecture Prematurity, Postmaturity <i>Filiz Bakar</i>	Lecture Neonatal Respiratory Distress <i>Mustafa Berber</i>
16.00-16.50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

GROUP A WEEK II / 11-15 Dec. 2017

	Monday 11-Dec-2017	Tuesday 12-Dec-2017	Wednesday 13-Dec-2017	Thursday 14-Dec-2017	Friday 15-Dec-2017
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	Lecture Urinalysis and Other Body Fluids <i>Jale Çoban</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Lecture Approach to the Child with Fever and Fever of Unknown Origin <i>Filiz Bakar</i> <i>Perihan Saf</i>	Lecture Congestive Heart Failure <i>Sabri Kemahlı</i> <i>Endi Romano</i>	Lecture Congenital Heart Diseases <i>Filiz Bakar</i> <i>Tuba Giray</i>
14.00- 14.50	Lecture Renal and Liver Function Tests, Electrolytes and Acid-Base Balance <i>Jale Çoban</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Lecture Growth, Development, and Growth Retardation-1 <i>Meltem Uğraş</i> <i>Belma Haliloğlu</i>	Lecture Diseases of Myocardium and Pericardium <i>Sabri Kemahlı</i> <i>Endi Romano</i>	Lecture Acute Rheumatic Fever and Infective Endocarditis <i>Hülya Sarıçoban</i> <i>Tuba Giray</i>
15.00- 15.50	Independent Learning	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Lecture Growth, Development, and Growth Retardation-2 <i>Meltem Uğraş</i> <i>Belma Haliloğlu</i>	Lecture Shock <i>Hülya Sarıçoban</i> <i>Derun Torlak</i>	Independent Learning
16.00-16.50	Independent Learning		Independent Learning	Independent Learning	Independent Learning

GROUP A WEEK III / 18-22 Dec. 2017

	Monday 18-Dec-2017	Tuesday 19-Dec-2017	Wednesday 20-Dec-2017	Thursday 21-Dec-2017	Friday 22-Dec-2017
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	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 -1 <i>Yasemin Akın</i> (Kartal LKRH)	Lecture Approach to Urticaria and Anaphylaxis <i>Hülya Sarıçoban</i>	Lecture Upper Respiratory Tract Infections <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 and Rickets -2 <i>Yasemin Akın</i> (Kartal LKRH)	Lecture Atopic Dermatitis and Allergic Rhinitis <i>Hülya Sarıçoban</i>	Lecture Lower Respiratory Tract Infections <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

GROUP A WEEK IV / 25-29 Dec. 2017

	Monday 25-Dec-2017	Tuesday 26-Dec-2017	Wednesday 27-Dec-2017	Thursday 28-Dec-2017	Friday 29-Dec-2017
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	Lecture Fluid and Electrolyte Disorders-1 <i>Filiz Bakar</i> <i>Perihan Saf</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 Acute Gastroenteritis and Parasitosis <i>Meltem Uğraş</i> <i>Tuba Giray</i>	Lecture Acid-Base Disorders <i>Mustafa Berber</i>
14.00- 14.50	Lecture Fluid and Electrolyte Disorders-2 <i>Filiz Bakar</i> <i>Perihan Saf</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Lecture Respiratory Failure <i>Hülya Sarıçoban</i> <i>Derun Torlak</i>	Lecture Intoxications <i>Mustafa Berber</i> <i>Derun Torlak</i>	Lecture Viral paralytic Diseases <i>Sema Yılmaz</i> <i>Endi Romano</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

GROUP A WEEK V / 01-05 Jan. 2018

	Monday 01-Jan-2018	Tuesday 02-Jan-2018	Wednesday 03-Jan-2018	Thursday 04-Jan-2018	Friday 05-Jan-2018
09.00- 09:50	New Year Holiday	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)
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)
12.00- 12.50		Lunch	Lunch	Lunch	Lunch
13.00- 13.50		Clinical Experience (InPatient- OutPatient- (YUH&LKRH) (All Subgroups)	Lecture Urinary Tract Infections and Tubulopathies <i>Filiz Bakar</i>	Lecture Acute and Chronic Renal Failure <i>Filiz Bakar</i> <i>Tuba Giray</i>	Lecture Tuberculosis <i>Hülya Sarıçoban</i>
14.00- 14.50		Clinical Experience (InPatient- OutPatient- (YUH&LKRH) (All Subgroups)	Lecture Calcium Metabolism, Hyperparatiroidism, Hypoparatiroidism <i>Meltem Uğraş</i> <i>Belma Haliloğlu</i>	Lecture Connective Tissue Diseases and Vasculitic Syndromes <i>Mustafa Berber</i>	Lecture Diagnostic Methods in Infectious Diseases <i>İ. Çağatay Acuner</i>
15.00- 15.50		Clinical Experience (InPatient- OutPatient- (YUH&LKRH) (All Subgroups)	Lecture Acute Glomerulonephritis <i>Filiz Bakar</i> <i>Derun Torlak</i>	Lecture Hypertension <i>Mustafa Berber</i>	Lecture Nephrotic Syndrome <i>Filiz Bakar</i> <i>Endi Romano</i>
16.00-16.50			Independent Learning	Independent Learning	Independent Learning

GROUP A WEEK VI / 08–12 Jan. 2018

	Monday 08-Jan-2018	Tuesday 09-Jan-2018	Wednesday 10-Jan-2018	Thursday 11-Jan-2018	Friday 12-Jan-2018
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	Lecture Evaluation of Endocrine Function <i>Serdar Öztezcan</i>	Clinical Experience (InPatient- OutPatient- (YUH&LKRH) (All Subgroups)	Lecture Sepsis and Meningococemia <i>Hülya Sarıçoban</i> <i>Endi Romano</i>	Lecture Thyroid Disorders and Congenital Hypothyroidism <i>Filiz Bakar</i> <i>Belma Haliloğlu</i>	Lecture Maculopapular-Vesicular Diseases <i>Mustafa Berber</i> <i>Tuba Giray</i>
14.00- 14.50	Lecture Cardiac Markers <i>Serdar Öztezcan</i>	Clinical Experience (InPatient- OutPatient- (YUH&LKRH) (All Subgroups)	Lecture Tetanus, Diphteria, Mumps, and Pertussis <i>Mustafa Berber</i> <i>Endi Romano</i>	Lecture Approach to Intrauterin infections <i>Mustafa Berber</i>	Lecture Infections of CNS <i>Hülya Sarıçoban</i> <i>Tuba Giray</i>
15.00- 15.50	Lecture Carbohydrates and Diabetes Mellitus <i>Serdar Öztezcan</i>	Clinical Experience (InPatient- OutPatient- (YUH&LKRH) (All Subgroups)	Independent Learning	Lecture Neonatal Infections <i>Mustafa Berber</i>	Independent Learning
16.00-16.50	Independent Learning		Independent Learning	Independent Learning	Independent Learning

GROUP A WEEK VII / 15-19 Jan. 2018

	Monday 15-Jan-2018	Tuesday 16-Jan-2018	Wednesday 17-Jan-2018	Thursday 18-Jan-2018	Friday 19-Jan-2018
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	Lecture Abdominal Pain and Peptic Diseases, H. pylori Infection, Gastroesophageal Reflux <i>Meltem Uğraş</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Lecture GIS Bleeding <i>Meltem Uğraş</i>	Lecture Asthma <i>Hülya Sarıçoban</i>	Lecture Hematological and Metabolic Disorders in Newborn <i>Mustafa Berber</i>
14.00- 14.50	Lecture Inflammatory Bowel Diseases <i>Meltem Uğraş</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Lecture Malabsorption and Celiac Disease <i>Meltem Uğraş</i>	Lecture Cystic Fibrosis and Wheezy Infant <i>Hülya Sarıçoban</i>	Lecture Hepatitis <i>Meltem Uğraş</i>
15.00- 15.50	Lecture Constipation <i>Meltem Uğraş</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Independent Learning	Independent Learning	Lecture Cirrhosis and Portal Hypertension <i>Meltem Uğraş</i>
16.00-16.50	Independent Learning		Independent Learning	Independent Learning	Independent Learning

GROUP A WEEK VIII / 22-26 Jan. 2018

	Monday 22-Jan-2018	Tuesday 23-Jan-2018	Wednesday 24-Jan-2018	Thursday 25-Jan-2018	Friday 26-Jan-2018
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	Lecture Hematology and Coagulation <i>Jale Çoban</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Lecture Diabetic Ketoacidosis <i>Mustafa Berber</i> <i>Belma Haliloğlu</i>	Lecture Introduction to Pediatric Oncology; Lymph Nodes and Abdominal Masses <i>Sema Yılmaz</i>	Lecture Introduction to Anemia, Iron Deficiency Anemia and Nutritional Anemias <i>Sabri Kemahli</i>
14.00- 14.50	Lecture Approach to Immun Deficiencies-1 <i>Hülya Sarıçoban</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Lecture Diabetes Mellitus <i>Mustafa Berber</i> <i>Belma Haliloğlu</i>	Lecture Malignancy in Childhood <i>Sema Yılmaz</i>	Lecture Blood Transfusions and Complications <i>Sabri Kemahli</i>
15.00- 15.50	Lecture Approach to Immun Deficiencies-2 <i>Hülya Sarıçoban</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Independent Learning	Independent Learning	Lecture Haemophilia, Thrombosis and Disseminated Intravascular Coagulation <i>Sabri Kemahli</i>
16.00-16.50	Independent Learning		Independent Learning	Independent Learning	Independent Learning

GROUP A WEEK IX / 29 Jan - 02 Feb. 2018

	Monday 29-Jan-2018	Tuesday 30-Jan-2018	Wednesday 31-Jan-2018	Thursday 01-Feb-2018	Friday 02-Feb-2018
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	Lecture Haemoglobinopathies (Thalassemia and Sickle Cell Anemia) <i>Buket Erer DelCastello</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Lecture Approach to the Patient with Convulsion <i>Sema Yilmaz</i> <i>Perihan Saf</i>	Lecture Adrenal Hypofunction and Hypophyseal Diseases (Cushing Syndrome, Diabetes Insipidus, Hyperthyroidism) -1 <i>Mustafa Berber</i> <i>Belma Haliloğlu</i>	Lecture Hemopoetic Stem Cell and Transplantation & Cell Therapies <i>Buket Erer DelCastello</i>
14.00- 14.50	Lecture Inborn Errors of Metabolism <i>Sema Yilmaz</i> <i>Belma Haliloğlu</i>	Clinical Experience (InPatient- OutPatient-(YUH&LKRH) (All Subgroups)	Lecture Coma and Stroke <i>Meltem Uğraş</i> <i>Derun Torlak</i>	Adrenal Hypofunction and Hypophyseal Diseases (Cushing Syndrome, Diabetes Insipidus, Hyperthyroidism) -2 <i>Mustafa Berber</i> <i>Belma Haliloğlu</i>	Lecture Neonatal Convulsions <i>Mustafa Berber</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

GROUP A WEEK X / 05 -09 Feb. 2018

	Monday 05-Feb-2018	Tuesday 06-Feb-2018	Wednesday 07-Feb-2018	Thursday 08-Feb-2018	Friday 09-Feb-2018
09.00- 09:50	Mini Clinical Exam	Mini Clinical Exam	Mini Clinical Exam	Assessment Session (Written Exam)	Assessment Session (Oral Exam)
10.00- 10.50					
11.00-11.50					
12.00- 12.50	Lunch	Lunch	Lunch	Lunch	Lunch
13.00- 13.50	Mini Clinical Exam	Mini Clinical Exam	Mini Clinical Exam	Discussion of Written Exam	Program Evaluation Session Review of the Exam Questions, Evaluation of the Clearship Program
14.00- 14.50					
15.00- 15.50	Independent Learning	Independent Learning	Independent Learning		
16.00-16.50					

**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.

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

GENERAL SURGERY CLERKSHIP PROGRAM - Group A

Week I / 26 Feb.- 2 Mar. 2018

	Monday 26-Feb-2018	Tuesday 27-Feb-2018	Wednesday 28-Feb-2018	Thursday 1-Mar-2018	Friday 2-Mar-2018
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	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
15.30- 17.30	Introductory Session Periapillary 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>
17.30-17:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

Week II / 05 - 09 Mar. 2018

	Monday 5-Mar-2018	Tuesday 6-Mar-2018	Wednesday 7-Mar-2018	Thursday 8-Mar-2018	Friday 9-Mar-2018
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	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
15.30- 17.30	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>
17.30-17:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

Week III / 12-16 Mar. 2018

	Monday 12-Mar-2018	Tuesday 13-Mar-2018	Wednesday 14-Mar-2018	Thursday 15-Mar-2018	Friday 16-Mar-2018
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	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
15.30- 17.30	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>
17.30-17:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

Week IV / 19-23 Mar. 2018

	Monday 19-Mar-2018	Tuesday 20-Mar-2018	Wednesday 21-Mar-2018	Thursday 22-Mar-2018	Friday 23-Mar-2018
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	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
15.30- 17.30	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>	Inflamatuar Bowel Disease <i>Öge Taşçılar</i>
17.30-17:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

Week V / 26 Mar.- 2 Apr. 2018

	Monday 26-Mar-2018	Tuesday 27-Mar-2018	Wednesday 28-Mar-2018	Thursday 29-Mar-2018	Friday 30-Mar-2018	Monday 2-Apr-2018
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	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Oral Exam
15.30- 17.30	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>	
17.30-17:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

GENERAL SURGERY CLERKSHIP PROGRAM - Group B

Week I / 09-13 Apr. 2018

	Monday 09-Apr-2018	Tuesday 10-Apr-2018	Wednesday 11-Apr-2018	Thursday 12-Apr-2018	Friday 13-Apr-2018
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	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
15.30- 17.30	Introductory Session 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>
17.30-17:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

Week II / 16-20 Apr. 2018

	Monday 16-Apr-2018	Tuesday 17-Apr-2018	Wednesday 18-Apr-2018	Thursday 19-Apr-2018	Friday 20-Apr-2018
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	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
12.00- 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	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>
17.30-17:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

Week III / 23-27 Apr. 2018

	Monday 23-Apr-2018	Tuesday 24-Apr-2018	Wednesday 25-Apr-2018	Thursday 26-Apr-2018	Friday 27-Apr-2018
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	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
12.00- 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	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>
17.30-17:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

Week IV / 30 Apr.- 4 May. 2018

	Monday 30-Apr-2018	Tuesday 1-May-2018	Wednesday 2-May-2018	Thursday 3-May-2018	Friday 4-May-2018
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	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
15.30- 17.30	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>	Inflamatuar Bowel Disease <i>Öge Taşçılar</i>
17.30-17:50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

Week V / 07-14 May. 2018

	Monday 7-May-2018	Tuesday 8-May-2018	Wednesday 9-May-2018	Thursday 10-May-2018	Friday 11-May-2018	Monday 14-May-2018
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	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Oral Exam
15.30- 17.30	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>	
17.30-17:50	Independent Learning	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 Fıçıcıođlu, MD. PhD. Prof.

Ü. Meral Aban, MD. Prof.

Selçuk Özden, MD. 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.

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

OBSTETRICS AND GYNECOLOGY CLERKSHIP PROGRAM - Group B

Week I / 26 Feb.-2 Mar. 2018

	Monday 26-Feb-2018	Tuesday 27-Feb-2018	Wednesday 28-Feb-2018	Thursday 1-Mar-2018	Friday 2-Mar-2018
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	Introductory Session <i>Cem FIÇICIOĞLU</i> Lecture Gynecology: and Overview Including Related Anatomy <i>Gazi YILDIRIM</i>	Lecture Ovarian Functions and its Neuro-Endocrine Control <i>Cem FIÇICIOĞLU</i> Lecture Developmental Defects of the Female Reproductive Tract <i>Cem FIÇICIOĞLU</i>	Lecture Pediatric Gynecology, Puberty and Gynecological Disorders in Children and Adolescents <i>Rukset ATTAR</i> Lecture Obstetrics: an Overview Including Related Anatomy <i>Cem FIÇICIOĞLU / Mert YEŞİLADALI</i>	Lecture ans Case Discussion Evidence Based Medicine: Approaching to Endometriosis <i>Gazi YILDIRIM</i> Lecture Hirsutismus <i>Gazi YILDIRIM</i>	Lecture Anovulation <i>Cem FIÇICIOĞLU</i> Lecture Evidence Based Medicine: Ovulation Induction <i>Cem FIÇICIOĞLU</i>
15.30- 17.30	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
17.30-18:00	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

Week II / 05-09 Mar. 2018

	Monday 5-Mar-2018	Tuesday 6-Mar-2018	Wednesday 7-Mar-2018	Thursday 8-Mar-2018	Friday 9-Mar-2018
09.00- 09.50	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
10.00- 12.30	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
12.30- 13.30	Lunch	Lunch	Lunch	Lunch	Lunch
13.30-15.30	<p align="center">Lecture Evaluation of Infertile Couple <i>Cem FIÇICIOĞLU</i></p> <p align="center">Lecture Assisted Reproductive Technologies <i>Cem FIÇICIOĞLU</i></p>	<p align="center">Lecture Menstrual Disorders, Amenorrhea <i>Rukset ATTAR</i></p> <p align="center">Lecture Abnormal Uterine Bleeding <i>Rukset ATTAR</i></p>	<p align="center">Lecture Obstetric Ultrasound Examination <i>Meral ABAN / Melis G. K. YAZICI</i></p> <p align="center">Lecture High-risk Pregnancy: an Overview <i>Meral ABAN / Melis G. K. YAZICI</i></p>	<p align="center">Lecture Gestational Trophoblastic Diseases <i>Gazi YILDIRIM</i></p> <p align="center">Lecture Evidence Based Aproaching to the Postmenopausal Hormone Treatment <i>Gazi YILDIRIM</i></p>	<p align="center">Lecture Perinatal Follow-Ups <i>Selçuk ÖZDEN</i></p> <p align="center">Lecture Antenatal Screening Tests and Prenatal Diagnosis <i>Selçuk ÖZDEN</i></p>
15.30- 17.30	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
17.30-18:00	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

Week III / 12-16 Mar. 2018

	Monday 12-Mar-2018	Tuesday 13-Mar-2018	Wednesday 14-Mar-2018	Thursday 15-Mar-2018	Friday 16-Mar-2018
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	<p align="center">Lecture Trombophilia and Pregnancy <i>Selçuk ÖZDEN</i></p> <p align="center">Lecture Clinical Embryology <i>Oya A. ALAGÖZ</i></p>	<p align="center">Lecture Complications of Early Pregnancy <i>Rukset ATTAR</i></p> <p align="center">Lecture Ectopic Pregnancy <i>Rukset ATTAR</i></p>	<p align="center">Lecture Multiple Pregnancies <i>Rukset ATTAR / Mert YEŞİLADALI</i></p> <p align="center">Lecture Hematological Disorders and Pregnancy <i>Rukset ATTAR / Mert YEŞİLADALI</i></p>	<p align="center">Lecture Pelvic Relaxation <i>Gazi YILDIRIM</i></p> <p align="center">Lecture Uro-Gynecology <i>Gazi YILDIRIM</i></p>	<p align="center">Lecture Intrauterine Growth Restriction <i>Selçuk ÖZDEN</i></p> <p align="center">Lecture Evidence Based Assessment of Fetal Well-Being <i>Selçuk ÖZDEN</i></p>
15.30- 17.30	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
17.30-18:00	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

Week IV / 19-23 Mar. 2018

	Monday 19-Mar-2018	Tuesday 20-Mar-2018	Wednesday 21-Mar-2018	Thursday 22-Mar-2018	Friday 23-Mar-2018
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	Lecture Hormonal Disorders and Pregnancy <i>Meral ABAN / Melis G. K. YAZICI</i> Lecture Nutrition İn Pregnancy and Pre- Gestational and Gestational Diabetes <i>Meral ABAN / Melis G. K. YAZICI</i>	Lecture Bleeding in the Third Trimester <i>Rukset ATTAR</i> Lecture Postpartum Bleeding <i>Rukset ATTAR</i>	Lecture Perinatal Infections <i>Gazi YILDIRIM / Mert YEŞİLADALI</i> Lecture Rh Isoimmunisation <i>Gazi YILDIRIM / Mert YEŞİLADALI</i>	Lecture Gynecological Malignancies and Pregnancy <i>Meral ABAN</i> Lecture Malignant Ovarian Tumors and Malignant Disorders of Fallopian Tubes <i>Meral ABAN</i>	Lecture Preterm Premature Rupture of Membranes <i>Selçuk ÖZDEN</i> Lecture Puerperium and Puerperal Infections <i>Selçuk ÖZDEN</i>
15.30- 17.30	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
17.30-18:00	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

Week V / 26-30 Mar. 2018

	Monday 26-Mar-2018	Tuesday 27-Mar-2018	Wednesday 28-Mar-2018	Thursday 29-Mar-2018	Friday 30-Mar-2018
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	Lecture Hypertensive Disorders and Pregnancy <i>Rukset ATTAR / Mert YEŞİLADALI</i> Lecture Cardiovascular Diseases and Pregnancy <i>Rukset ATTAR / Mert YEŞİLADALI</i>	Lecture Operative Labor and Cesarean Section <i>Rukset ATTAR</i> Lecture Vulvo-Vaginitis <i>Rukset ATTAR</i>	Lecture Normal Labor <i>Gazi YILDIRIM / Melis G. K. YAZICI</i> Lecture Abnormal <i>Gazi YILDIRIM / Melis G. K. YAZICI</i>	Lecture Benign Disorders of Vulva and Vagina <i>Rukset ATTAR</i> Lecture Benign Disorders of Uterus, Fallopian Tubes and Ovaries <i>Rukset ATTAR</i>	Lecture Pre-invasive Cervical Neoplasm <i>Meral ABAN</i> Lecture Cervix Carcinoma <i>Meral ABAN</i>
15.30- 17.30	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
17.30-18:00	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

Week VI / 02-06 Apr. 2018

	Monday 2-Apr-2018	Tuesday 3-Apr-2018	Wednesday 4-Apr-2018	Thursday 5-Apr-2018	Friday 6-Apr-2018
09.00- 09.50	Clinical Experience				Written Examination
10.00- 10.50	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology		Independent Learning	Independent Learning	Oral Examination
11.00- 12.30					
12.30- 13.30		Lunch			
13.30-15.30	Lecture Malignant Disorders of Uterus, Endometrium Carcinoma <i>Meral ABAN</i> Lecture Vulvovaginal Carcinoma <i>Meral ABAN</i>	Independent Learning	Independent Learning	Independent Learning	Oral Examination
15.30- 17.30	Clinical Experience				
17.30-18:00	Independent Learning	Independent Learning	Independent Learning	Independent Learning	

OBSTETRICS AND GYNECOLOGY CLERKSHIP PROGRAM - Group A

Week I / 07-11 May. 2018

	Monday 07-May-2018	Tuesday 08-May-2018	Wednesday 09-May-2018	Thursday 10-May-2018	Friday 11-May-2018
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	Introductory Session <i>Cem FIÇICIOĞLU</i> Lecture Gynecology: an Overview Including Related Anatomy <i>Gazi YILDIRIM</i>	Lecture Ovarian Functions and its Neuro-Endocrine Control <i>Cem FIÇICIOĞLU</i> Lecture Developmental Defects of the Female Reproductive Tract <i>Cem FIÇICIOĞLU</i>	Lecture Pediatric Gynecology, Puberty and Gynecological Disorders in Children and Adolescents <i>Rukset ATTAR</i> Lecture Obstetrics: an Overview Including Related Anatomy <i>Cem FIÇICIOĞLU / Mert YEŞİLADALI</i>	Lecture and Case Discussion Evidence Based Medicine: Approaching to Endometriosis <i>Gazi YILDIRIM</i> Lecture Hirsutismus <i>Gazi YILDIRIM</i>	Lecture Anovulation <i>Cem FIÇICIOĞLU</i> Lecture Evidence Based Medicine: Ovulation induction <i>Cem FIÇICIOĞLU</i>
15.30- 17.30	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
17.30-18:00	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

Week II / 14-18 May. 2018

	Monday 14-May-2018	Tuesday 15-May-2018	Wednesday 16-May-2018	Thursday 17-May-2018	Friday 18-May-2018
09.00- 09.50	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
10.00- 12.30	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
12.30- 13.30	Lunch	Lunch	Lunch	Lunch	Lunch
13.30-15.30	<p align="center">Lecture Evaluation of Infertile Couple <i>Cem FIÇICIOĞLU</i></p> <p align="center">Lecture Assisted Reproductive Technologies <i>Cem FIÇICIOĞLU</i></p>	<p align="center">Lecture Menstrual Disorders, Amenorrhea <i>Rukset ATTAR</i></p> <p align="center">Lecture Abnormal Uterine Bleeding <i>Rukset ATTAR</i></p>	<p align="center">Lecture Obstetric Ultrasound Examination <i>Meral ABAN / Melis G. K. YAZICI</i></p> <p align="center">Lecture High-risk Pregnancy: an Overview <i>Meral ABAN / Melis G. K. YAZICI</i></p>	<p align="center">Lecture Gestational Trophoblastic Diseases <i>Gazi YILDIRIM</i></p> <p align="center">Lecture Evidence Based Aproaching to the Postmenopausal Hormone Treatment <i>Gazi YILDIRIM</i></p>	<p align="center">Lecture Perinatal Follow-Ups and Evidence Based Assessment of Fetal Well-Being <i>Selçuk ÖZDEN</i></p> <p align="center">Lecture Antenatal Screening Tests and Prenatal Diagnosis <i>Selçuk ÖZDEN</i></p>
15.30- 17.30	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
17.30-18:00	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

Week III / 21-25 May. 2018

	Monday 21-May-2018	Tuesday 22-May-2018	Wednesday 23-May-2018	Thursday 24-May-2018	Friday 25-May-2018
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	<p align="center">Lecture Trombophilia and Pregnancy <i>Selçuk ÖZDEN</i></p> <p align="center">Lecture Clinical Embryology <i>Oya A. ALAGÖZ</i></p>	<p align="center">Lecture Complications of Early Pregnancy <i>Rukset ATTAR</i></p> <p align="center">Lecture Ectopic Pregnancy <i>Rukset ATTAR</i></p>	<p align="center">Lecture Multiple Pregnancies <i>Rukset ATTAR / Mert YEŞİLADALI</i></p> <p align="center">Lecture Hematological Disorders and Pregnancy <i>Rukset ATTAR / Mert YEŞİLADALI</i></p>	<p align="center">Lecture Pelvic Relaxation <i>Gazi YILDIRIM</i></p> <p align="center">Lecture Uro-Gynecology <i>Gazi YILDIRIM</i></p>	<p align="center">Lecture Benign Disorders of Vulva and Vagina <i>Rukset ATTAR</i></p> <p align="center">Lecture Benign Disorders of Uterus, Fallopian Tubes and Ovaries <i>Rukset ATTAR</i></p>
15.30- 17.30	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
17.30-18:00	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

Week IV / 28-May.- 01 Jun. 2018

	Monday 28-May-2018	Tuesday 29-May-2018	Wednesday 30-May-2018	Thursday 31-May-2018	Friday 01- Jun-2018
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	Lecture Hormonal Disorders and Pregnancy <i>Oluş API</i> Lecture Nutrition in Pregnancy and Pre-Gestational and Gestational Diabetes <i>Oluş API</i>	Lecture Bleeding in the Third Trimester <i>Rukset ATTAR</i> Lecture Postpartum Bleeding <i>Rukset ATTAR</i>	Lecture Perinatal Infections <i>Gazi YILDIRIM / Mert YEŞİLADALI</i> Lecture Rh Isoimmunisation <i>Gazi YILDIRIM / Mert YEŞİLADALI</i>		Lecture Preterm Premature Rupture of Membranes Intrauterine Growth Restriction <i>Selçuk ÖZDEN</i> Lecture Puerperium and Puerperal Infections <i>Selçuk ÖZDEN</i>
15.30- 17.30	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
17.30-18:00	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

Week V / 04-08 Jun. 2018

	Monday 04- Jun-2018	Tuesday 05- Jun-2018	Wednesday 06- Jun-2018	Thursday 07- Jun-2018	Friday 08- Jun-2018
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	<p align="center">Lecture Hypertensive Disorders and Pregnancy <i>Rukset ATTAR / Mert YEŞİLADALI</i></p> <p align="center">Lecture Cardiovascular Diseases and <i>Rukset ATTAR / Mert YEŞİLADALI</i></p>	<p align="center">Lecture Operative Labor and Cesarean Section <i>Rukset ATTAR</i></p> <p align="center">Lecture Vulvo-Vaginitis <i>Rukset ATTAR</i></p>	<p align="center">Lecture Normal Labor <i>Gazi YILDIRIM / Melis G. K. YAZICI</i></p> <p align="center">Lecture Abnormal <i>Gazi YILDIRIM / Melis G. K. YAZICI</i></p>	<p align="center">Lecture Pre-Invasive Cervical Neoplasm <i>Meral ABAN</i></p> <p align="center">Lecture Cervix Carcinoma <i>Meral ABAN</i></p>	<p align="center">Lecture Gynecological Malignancies and Pregnancy <i>Meral ABAN</i></p> <p align="center">Lecture Malignant Ovarian Tumors and Malignant Disorders of Fallopian Tubes <i>Meral ABAN</i></p>
15.30- 17.30	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience
17.30-18:00	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning

Week VI / 11-14 Jun. 2018

	Monday 11- Jun-2018	Tuesday 12- Jun-2018	Wednesday 13- Jun-2018	Thursday 14- Jun-2018	Friday 15- Jun-2018
09.00- 09.50	Clinical Experience				Written Examination
10.00- 10.50	ÜMRANIYE TRAINING AND RESEARCH HOSPITAL Department of Obstetrics and Gynecology		Independent Learning	Independent Learning	Oral Examination
11.00- 12.30					
12.30- 13.30		Lunch			
13.30-15.30	Lecture Malignant Disorders of Uterus, Endometrium Carcinoma <i>Meral ABAN</i> Lecture Vulvovaginal Carcinoma <i>Meral ABAN</i>				
15.30- 17.30	Clinical Experience				
17.30-18:00	Independent Learning				

**YEDİTEPE UNIVERSITY
FACULTY OF MEDICINE
PHASE IV**

CARDIOLOGY

YEDİTEPE UNIVERSITY HOSPITAL

Muzaffer Murat Değertekin, MD. Prof.

Olca Özveren, MD. Assoc. Prof.

Mustafa Aytek Şimşek, MD. Assist. Prof.

Ayça Türer, MD.

Emre Aslanger , MD .

&

KARTAL KOŞUYOLU HIGHER EDUCATION AND RESEARCH HOSPITAL

Gökhan Kahveci, 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.

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

CARDIOLOGY CLERKSHIP PROGRAM - GROUP A / Week I

	Monday 20-Nov-2017				Tuesday 21-Nov-2017				Wednesday 22-Nov-2017				Thursday 23-Nov-2017				Friday 24-Nov-2017			
	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			
08.30-12.00	Group A1	Group A2	Group A3	Group A4	Group A1	Group A2	Group A3	Group A4	Group A1	Group A2	Group A3	Group A4	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> Lecture Cardiovascular Examination <i>Muzaffer Değertekin</i> <i>Emre Aslanger</i>				Lecture Approach to the Patient with Chest Pain <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				Lecture Non-ST Elevation Myocardial Infarction/Unstable Angina <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				Lecture Heart Failure I <i>Olçay Özveren</i> <i>Ayça Türer</i>				Lecture Mitral Valve Diseases <i>Olçay Özveren</i>			
14.00- 14.50	Lecture Clinical Electrocardiography I <i>Muzaffer Değertekin</i> <i>Emre Aslanger</i>				Lecture ST Elevation Myocardial Infarction I <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				Lecture Chronic Coronary Artery Disease <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				Lecture Heart Failure II <i>Olçay Özveren</i> <i>Ayça Türer</i>				Lecture Aortic Valve Diseases <i>Olçay Özveren</i>			
15.00- 15.50	Lecture Clinical Electrocardiography II <i>Muzaffer Değertekin</i> <i>Emre Aslanger</i>				Lecture ST Elevation Myocardial Infarction II <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				Lecture Percutaneous Coronary and Valvular Interventions <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				Lecture Diagnosis and Management of Acute Heart Failure <i>Olçay Özveren</i> <i>Ayça Türer</i>				Lecture 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

	Monday 27-Nov-2017				Tuesday 28-Nov-2017				Wednesday 29-Nov-2017				Thursday 30-Nov-2017	Friday 01-Dec-2017
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 Emre Aslanger
	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>				Lecture Tachyarrhythmias <i>Mustafa Aytek Şimşek</i>				Lecture Syncope <i>Muzaffer Değertekin</i> <i>Emre Aslanger</i>				Independent Learning	
14.00- 14.50	Lecture Infective Endocarditis <i>Olçay Özveren</i>				Lecture Tachyarrhythmias <i>Mustafa Aytek Şimşek</i>				Lecture Sudden Cardiac Death <i>Muzaffer Değertekin</i> <i>Emre Aslanger</i>				Independent Learning	
15.00- 15.50	Lecture Pericardial Diseases <i>Olçay Özveren</i>				Lecture Bradyarrhythmias and Heart Blocks <i>Mustafa Aytek Şimşek</i>				Lecture Cardiac Pacemakers and Implantable Cardiac Defibrillators <i>Muzaffer Değertekin</i> <i>Emre Aslanger</i>				Independent Learning	
16.00-17.00	Independent Learning				Independent Learning				Independent Learning				Independent Learning	

GROUP B / Week I

	Monday 12-Feb-2018				Tuesday 13-Feb-2018				Wednesday 14-Feb-2018				Thursday 15-Feb-2018				Friday 16-Feb-2018			
	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			
08.30-12.00	Group A1	Group A2	Group A3	Group A4	Group A1	Group A2	Group A3	Group A4	Group A1	Group A2	Group A3	Group A4	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> Lecture Cardiovascular Examination <i>Muzaffer Değertekin</i> <i>Emre Aslanger</i>				Lecture Approach to the Patient with Chest pain <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				Lecture Non-ST Elevation Myocardial Infarction/Unstable Angina <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				Lecture Heart Failure I <i>Olca Özveren</i> <i>Ayça Türer</i>				Lecture Mitral Valve Diseases <i>Olca Özveren</i>			
14.00- 14.50	Lecture Clinical Electrocardiography <i>Muzaffer Değertekin</i> <i>Emre Aslanger</i>				Lecture ST Elevation Myocardial Infarction <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				Lecture Chronic Coronary Artery Disease <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				Lecture Heart Failure II <i>Olca Özveren</i> <i>Ayça Türer</i>				Lecture Aortic Valve Diseases <i>Olca Özveren</i>			
15.00- 15.50	Lecture Clinical Electrocardiography <i>Muzaffer Değertekin</i> <i>Emre Aslanger</i>				Lecture ST Elevation Myocardial Infarction <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				Lecture Percutaneous Coronary and Valvular Interventions <i>Muzaffer Değertekin</i> <i>Mustafa Aytek Şimşek</i>				Lecture Diagnosis and Management of Acute Heart Failure <i>Olca Özveren</i> <i>Ayça Türer</i>				Lecture Tricuspid and Pulmonary Valve Diseases <i>Olca Özveren</i>			
16.00-17.	Independent Learning				Independent Learning				Independent Learning				Independent Learning				Independent Learning			

GROUP B / Week II

	Monday 19-Feb-2018				Tuesday 20-Feb-2018				Wednesday 21-Feb-2018				Thursday 22-Feb-2018	Friday 23-Feb-2018
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 Emre Aslanger
	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>				Lecture Tachyarrhythmias <i>Mustafa Aytek Şimşek</i>				Lecture Syncope <i>Muzaffer Değertekin</i> <i>Emre Aslanger</i>				Independent Learning	
14.00- 14.50	Lecture Infective Endocarditis <i>Olçay Özveren</i>				Lecture Tachyarrhythmias <i>Mustafa Aytek Şimşek</i>				Lecture Sudden Cardiac Death <i>Muzaffer Değertekin</i> <i>Emre Aslanger</i>				Independent Learning	
15.00- 15.50	Lecture Pericardial Diseases <i>Olçay Özveren</i>				Lecture Bradyarrhythmias and Heart Blocks <i>Mustafa Aytek Şimşek</i>				Lecture Cardiac Pacemakers and Implantable Cardiac Defibrillators <i>Muzaffer Değertekin</i> <i>Emre Aslanger</i>				Independent Learning	
16.00-17.00	Independent Learning				Independent Learning				Independent Learning				Independent Learning	

**YEDİTEPE UNIVERSITY
FACULTY OF MEDICINE
PHASE IV**

CARDIOVASCULAR SURGERY

YEDİTEPE UNIVERSITY HOSPITAL

Soner Sanioglu, MD, Assoc. Prof. (Head of Department)

Halit Yerebakan, MD, Assoc. Prof. (Coordinator)

&

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.

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

CARDIOVASCULAR SURGERY CLERKSHIP PROGRAM - GROUP A / Week I 24- 27 Apr. 2018

	Tuesday 24-Apr-2018				Wednesday 25-Apr-2018				Thursday 26-Apr-2018				Friday 27-Apr-2018			
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			
	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
13.30-14.15	Lecture Introductory Course History of Cardiovascular Surgery <i>Soner Sanioglu</i>				Lecture Extracorporeal Circulation and Organ Protection <i>Halit Yerebakan</i>				Lecture Surgical Treatment of Valvular Heart Disease <i>Soner Sanioglu</i>				Lecture Aortic Aneurysm and Aortic Dissection <i>Soner Sanioglu</i>			
14.30- 15.15	Lecture Anatomy of Heart and Great Vessels <i>Soner Sanioglu</i>				Lecture Surgical Treatment of Coronary Artery Disease <i>Halit Yerebakan</i>				Lecture Surgical Treatment of Valvular Heart Disease <i>Soner Sanioglu</i>				Lecture Heart and Great Vessels Injuries <i>Soner Sanioglu</i>			
15.30- 16.00	Discussion <i>Soner Sanioglu</i>				Discussion <i>Halit Yerebakan</i>				Discussion <i>Soner Sanioglu</i>				Discussion <i>Soner Sanioglu</i>			
16.00-17.00	Independent Learning				Independent Learning				Independent Learning				Independent Learning			

GROUP A / Week II 30 Apr.- 4 May 2018

	Monday 30-Apr-2018				Tuesday 01-May-2018				Wednesday 02-May-2018				Thursday 03-May-2018				Friday 04-May-2018
Group A1 Emergency	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				Written and 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	Group A1	Group A2	Group A3	Group A4	
	Intensive care	Emergency	Surgical	OutPatient	Intensive care	Emergency	Surgical	OutPatient	Emergency	Surgical	OutPatient	Intensive care	Emergency	Surgical	OutPatient	Intensive care	
13.30-14.15	Lecture Surgical Treatment of Heart Failure <i>Halit Yerebakan</i>				Lecture Congenital Heart Disease – Acyanotic <i>Halit Yerebakan</i>				Lecture Peripheric Arterial Disease and Carotid Oclusive Disease <i>Halit Yerebakan</i>				Lecture Venous and Lymphatic System Disease <i>Soner Sanioğlu</i>				
14.30-15.15	Lecture Cardiac Neoplasms and Pericardial Disease <i>Halit Yerebakan</i>				Lecture Congenital Heart Disease – Cyanotic <i>Halit Yerebakan</i>				Lecture Peripheric Arterial Disease and Carotid Oclusive Disease <i>Halit Yerebakan</i>				Lecture Prophylaxis Diagnosis and Treatment of VTE <i>Soner Sanioğlu</i>				
15.30-16.00	Discussion <i>Halit Yerebakan</i>				Discussion <i>Halit Yerebakan</i>				Discussion <i>Halit Yerebakan</i>				Discussion <i>Soner Sanioğlu</i>				
16.00-17.00	Independent Learning				Independent Learning				Independent Learning				Independent Learning				

CARDIOVASCULAR SURGERY CLERKSHIP PROGRAM - GROUP B / Week I 04- 08 Jun. 2018

	Monday 04-Jun-2018	Tuesday 05-Jun-2018	Wednesday 06-Jun-2018	Thursday 07-Jun-2018	Friday 08-Jun-2018															
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	Lecture Introductory Course History of Cardiovascular Surgery <i>Soner Sanioğlu</i>				Lecture Extracorporeal Circulation and Organ Protection <i>Halit Yerebakan</i>				Lecture Surgical Treatment of Valvular Heart Disease <i>Soner Sanioğlu</i>				Lecture Aortic aneurysm and Aortic Dissection <i>Soner Sanioğlu</i>				Lecture Surgical Treatment of Heart Failure <i>Halit Yerebakan</i>			
14-30- 15-15	Lecture Anatomy of Heart and Great Vessels <i>Soner Sanioğlu</i>				Lecture Surgical Treatment of Coronary Artery Disease <i>Halit Yerebakan</i>				Lecture Surgical Treatment of Valvular Heart Disease <i>Soner Sanioğlu</i>				Lecture Heart and Great Vessels Injuries <i>Soner Sanioğlu</i>				Lecture Cardiac Neoplasms and Pericardial Disease <i>Halit Yerebakan</i>			
15-30- 16-00	Discussion <i>Soner Sanioğlu</i>				Discussion <i>Halit Yerebakan</i>				Discussion <i>Soner Sanioğlu</i>				Discussion <i>Soner Sanioğlu</i>				Discussion <i>Halit Yerebakan</i>			
16-00-17-00	Independent Learning				Independent Learning				Independent Learning				Independent Learning				Independent Learning			

GROUP B / Week II 11–14 Jun. 2018

	Monday 11-Jun-2018				Tuesday 12-Jun-2018				Wednesday 13-Jun-2018				Thursday 14-Jun-2018
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 and 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 Yerebekan</i>				Lecture Peripheral Arterial Disease <i>Halit Yerebekan</i>				Lecture Venous and Lymphatic System Disease <i>Soner Sanioğlu</i>				
14-30- 15-15	Lecture Congenital Heart Disease – Cyanotic <i>Halit Yerebekan</i>				Lecture Carotid occlusive Disease <i>Halit Yerebekan</i>				Lecture Prophylaxis Diagnosis and Treatment of VTE <i>Soner Sanioğlu</i>				
15-30- 16-00	Discussion <i>Halit Yerebekan</i>				Discussion <i>Halit Yerebekan</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. Assoc. 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.

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

PLASTIC, RECONSTRUCTIVE AND AESTHETIC SURGERY GROUP A2 / Week I 03-11 April 2018

	Tuesday 03.04.2018	Wednesday 04.04.2018	Thursday 05.04.2018	Friday 06.04.2018	Monday 09.04.2018	Tuesday 10.04.2018	Wednesday 11.04.2018
	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Independent Learning
09.00-10.20	Lecture Scope of Plastic Surgery <i>Uğur Anıl Bingöl</i>	Independent Learning	Lecture Burn and Reconstructive Surgery <i>Uğur Anıl Bingöl</i>	Lecture Skin Graft and Flap <i>Uğur Anıl Bingöl</i>	Lecture Principles of Hand Surgery <i>Uğur Anıl Bingöl</i>	Independent Learning	Written Examination
10.30-12.00	Lecture Cosmetic Surgery <i>Uğur Anıl Bingöl</i>	Independent Learning	Lecture Burn and Reconstructive Surgery <i>Uğur Anıl Bingöl</i>	Lecture Skin Graft and Flap <i>Uğur Anıl Bingöl</i>	Lecture Maxillofacial Trauma <i>Uğur Anıl Bingöl</i>	Independent Learning	Oral Examination
13.00-17.00	Lecture Breast Cancer, Treatment Options & Breast Reconstruction <i>Uğur Anıl Bingöl</i>	Independent Learning	Lecture Wound Healing <i>Uğur Anıl Bingöl</i>	Lecture Cleft Lip and Palate <i>Uğur Anıl Bingöl</i>	Lecture 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 12- 20 April 2018

	Thursday 12.04.2018	Friday 13.04.2018	Monday 16.04.2018	Tuesday 17.04.2018	Wednesday 18.04.2018	Thursday 19.04.2018	Friday 20.04.2018
	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Independent Learning
09.00 -10.20	Lecture Scope of Plastic Surgery <i>Uğur Anıl Bingöl</i>	Lecture Wound Healing <i>Uğur Anıl Bingöl</i>	Lecture Breast Cancer, Treatment Options & Breast Reconstruction <i>Uğur Anıl Bingöl</i>	Lecture Burn and Reconstructive Surgery <i>Uğur Anıl Bingöl</i>	Lecture Skin Graft and Flap <i>Uğur Anıl Bingöl</i>	Lecture Principles of Hand Surgery <i>Uğur Anıl Bingöl</i>	Written Examination
10.30-12.00	Lecture Cosmetic Surgery <i>Uğur Anıl Bingöl</i>	Lecture Skin Cancer <i>Uğur Anıl Bingöl</i>	Lecture Cleft Lip and Palate <i>Uğur Anıl Bingöl</i>	Lecture Burn and Reconstructive Surgery <i>Uğur Anıl Bingöl</i>	Lecture Skin Graft and Flap <i>Uğur Anıl Bingöl</i>	Lecture 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 15-23 May 2018

	Tuesday 15.05.2018	Wednesday 16.05.2018	Thursday 17.05.2018	Friday 18.05.2018	Monday 21.05.2018	Tuesday 22.05.2018	Wednesday 23.05.2018
	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Independent Learning
09.00 -10.20	Lecture Scope of Plastic Surgery <i>Uğur Anıl Bingöl</i>	Independent Learning	Lecture Burn and Reconstructive Surgery <i>Uğur Anıl Bingöl</i>	Lecture Skin Graft and Flap <i>Uğur Anıl Bingöl</i>	Lecture Principles of Hand Surgery <i>Uğur Anıl Bingöl</i>	Independent Learning	Written Examination
10.30-12.00	Lecture Cosmetic Surgery <i>Uğur Anıl Bingöl</i>	Independent Learning	Lecture Burn and Reconstructive Surgery <i>Uğur Anıl Bingöl</i>	Lecture Skin Graft and Flap <i>Uğur Anıl Bingöl</i>	Lecture Maxillofacial Trauma <i>Uğur Anıl Bingöl</i>	Independent Learning	Oral Examination
13.00-17.00	Lecture Breast Cancer, Treatment Options & Breast Reconstruction <i>Uğur Anıl Bingöl</i>	Independent Learning	Lecture Wound Healing <i>Uğur Anıl Bingöl</i>	Lecture Cleft Lip and Palate <i>Uğur Anıl Bingöl</i>	Lecture Skin Cancer <i>Uğur Anıl Bingöl</i>	Independent Learning	

PLASTIC, RECONSTRUCTIVE AND AESTHETIC SURGERY GROUP B1 / Week II 24 May-01 June 2018

	Thursday 24.05.2018	Friday 25.05.2018	Monday 28.05.2018	Tuesday 29.05.2018	Wednesday 30.05.2018	Thursday 31.05.2018	Friday 01.06.2018
	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Clinical Experience	Independent Learning
09.00-10.20	Lecture Scope of Plastic Surgery <i>Uğur Anıl Bingöl</i>	Independent Learning	Lecture Burn and Reconstructive Surgery <i>Uğur Anıl Bingöl</i>	Lecture Skin Graft and Flap <i>Uğur Anıl Bingöl</i>	Lecture Principles of Hand Surgery <i>Uğur Anıl Bingöl</i>	Lecture Skin Graft and Flap <i>Uğur Anıl Bingöl</i>	Written examination
10.30-12.00	Lecture Cosmetic Surgery <i>Uğur Anıl Bingöl</i>		Lecture Burn and Reconstructive Surgery <i>Uğur Anıl Bingöl</i>	Lecture Skin Graft and Flap <i>Uğur Anıl Bingöl</i>	Lecture Maxillofacial Trauma <i>Uğur Anıl Bingöl</i>	Lecture Skin Graft and Flap <i>Uğur Anıl Bingöl</i>	Oral examination
13.00-17.00	Lecture Breast Cancer, Treatment Options & Breast Reconstruction <i>Uğur Anıl Bingöl</i>		Lecture Wound Healing <i>Uğur Anıl Bingöl</i>	Lecture Cleft Lip and Palate <i>Uğur Anıl Bingöl</i>	Lecture Skin Cancer <i>Uğur Anıl Bingöl</i>	Lecture Cleft Lip and Palate <i>Uğur Anıl Bingöl</i>	
	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning		

**YEDİTEPE UNIVERSITY
FACULTY OF MEDICINE
PHASE IV**

THORACIC SURGERY

YEDİTEPE UNIVERSITY HOSPITAL

Head of the Department of Thoracic Surgery : Sina Ercan, MD. Prof.

&

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

İrfan Yalçınkaya, MD. Prof.

S. Volkan Baysungur, MD. Assoc. Prof.

Çağatay S. Tezel, MD. Assoc. Prof.

Cansel A. Öztürk, MD. Assoc. Prof.

Hakan Kırıl, MD. Assoc. Prof.

A. Levent Alpay, 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, lungs, chest wall, esophagus 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 followup 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.

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

THORACIC SURGERY -Group A1							
	Tuesday 03.Apr.2018	Wednesday 04.Apr.2018	Thursday 05.Apr.2018	Friday 06.Apr.2018	Monday 09.Apr.2018	Tuesday 10.Apr.2018	Wednesday 11.Apr.2018
08.00-08.45	Introductory Session Welcome & Acquaintance "Introduction to Thoracic Surgery" İrfan Yalçinkaya	Clinical Experience InPatient Volkan Baysungur	Clinical Skills Training Performing Needle Thoracentesis on a Mannequin with a Tension Pneumothorax Çağatay Tezel	Clinical Experience InPatient Cansel Öztürk	Clinical Experience Surgical Hakan Kırıl	Clinical Experience Surgical Levent Alpay	Independent Learning Preparation for the Exam
09.00-09.45	Lecture Interventional Procedures in Thoracic Surgery İrfan Yalçinkaya	Case Presentation (Faculty) Pneumothorax Radiology Volkan Baysungur	Clinical Skills Training Assessment Session Çağatay Tezel	Clinical Experience InPatient Cansel Öztürk	Clinical Experience Surgical Hakan Kırıl	Clinical Experience Surgical Levent Alpay	
10.00-10.45	Case Presentation (Faculty) İrfan Yalçinkaya	Case Presentation (Faculty) Volkan Baysungur	Clinical Experience Surgical Çağatay Tezel	Case Presentation (Faculty) Cansel Öztürk	Clinical Experience Surgical Hakan Kırıl	Clinical Experience Surgical Levent Alpay	
11.00-11.45	Case Presentation (Faculty) İrfan Yalçinkaya	Case Presentation (Faculty) Volkan Baysungur	Clinical Experience Surgical Çağatay Tezel	Case Presentation (Faculty) Cansel Öztürk	Clinical Experience Surgical Hakan Kırıl	Clinical Experience Surgical Levent Alpay	
12.00-13.00	Lunch						
13.00-13.45	Lecture Topographical Anatomy of the Thorax and Thoracic Incisions Cansel Öztürk	Lecture Radiological Evaluation in Thoracic Surgery Çağatay Tezel	Lecture Spontaneous Pneumothorax and Bullous Disorders Volkan Baysungur	Lecture Lung Cancers and Other Tumors of Lung Cansel Öztürk	Lecture Surgical Treatment of the Pathologies of Pleural Spaces Volkan Baysungur	Lecture Minimal Invasive Surgical Approaches in Thoracic Diseases Levent Alpay	Written Exam
14.00-14.45	Lecture Preoperative Evaluation and Diagnostic Procedures in Thoracic Surgery Volkan Baysungur	Lecture Hemoptysis Hakan Kırıl	Lecture Thoracic Trauma I Hakan Kırıl	Lecture Hydatid Cyst of the Lung Levent Alpay	Lecture Chest Wall Diseases and Surgical Treatment Çağatay Tezel	Lecture Diaphragmatical Diseases and Surgical Treatment İrfan Yalçinkaya	Oral Exam
15.00-15.45	Lecture Surgical Pathologies of Trachea and their Treatment Sina Ercan	Lecture Tracheobronchial & Esophageal Foreign Bodies Levent Alpay	Lecture Thoracic Trauma II Hakan Kırıl	Lecture Benign Lung Diseases Çağatay Tezel	Lecture Mediastinal Diseases and Surgical Treatment Cansel Öztürk	Lecture Esophageal Diseases and Surgical Treatment İrfan Yalçinkaya	

THORACIC SURGERY - Group A2							
	Thursday 12.Apr.2018	Friday 13.Apr.2018	Monday 16.Apr.2018	Tuesday 17.Apr.2018	Wednesday 18.Apr.2018	Thursday 19.Apr.2018	Friday 20.Apr.2018
08.00-08.45	Introductory Session Welcome & Acquaintance "Introduction to Thoracic Surgery" İrfan Yalçinkaya	Clinical Experience InPatient Volkan Baysungur	Clinical Skills Training Performing Needle Thoracentesis on a Mannequin with a Tension Pneumothorax Çağatay Tezel	Clinical Experience InPatient Cansel Öztürk	Clinical Experience Surgical Hakan Kırıl	Clinical Experience Surgical Levent Alpay	Independent Learning Preparation for the Exam
09.00-09.45	Lecture Interventional Procedures in Thoracic Surgery İrfan Yalçinkaya	Case Presentation (Faculty) Pneumothorax Radiology Volkan Baysungur	Clinical Skills Training Assessment Session Çağatay Tezel	Clinical Experience InPatient Cansel Öztürk	Clinical Experience Surgical Hakan Kırıl	Clinical Experience Surgical Levent Alpay	
10.00-10.45	Case Presentation (Faculty) İrfan Yalçinkaya	Case Presentation (Faculty) Volkan Baysungur	Clinical Experience Surgical Çağatay Tezel	Case Presentation (Faculty) Cansel Öztürk	Clinical Experience Surgical Hakan Kırıl	Clinical Experience Surgical Levent Alpay	
11.00-11.45	Case Presentation (Faculty) İrfan Yalçinkaya	Case Presentation (Faculty) Volkan Baysungur	Clinical Experience Surgical Çağatay Tezel	Case Presentation (Faculty) Cansel Öztürk	Clinical Experience Surgical Hakan Kırıl	Clinical Experience Surgical Levent Alpay	
12.00-13.00	Lunch						
13.00-13.45	Lecture Topographical Anatomy of the Thorax and Thoracic Incisions Cansel Öztürk	Lecture Radiological Evaluation in Thoracic Surgery Çağatay Tezel	Lecture Spontaneous Pneumothorax and Bullous Disorders Volkan Baysungur	Lecture Lung Cancers and Other Tumors of Lung Cansel Öztürk	Lecture Surgical Treatment of the Pathologies of Pleural Spaces Volkan Baysungur	Lecture Minimal Invasive Surgical Approaches in Thoracic Diseases Levent Alpay	Written Exam
14.00-14.45	Lecture Preoperative Evaluation and Diagnostic Procedures in Thoracic Surgery Volkan Baysungur	Lecture Hemoptysis Hakan Kırıl	Lecture Thoracic Trauma I Hakan Kırıl	Lecture Hydatid Cyst of the Lung Levent Alpay	Lecture Chest Wall Diseases and Surgical Treatment Çağatay Tezel	Lecture Diaphragmatic Diseases and Surgical Treatment İrfan Yalçinkaya	Oral Exam
15.00-15.45	Lecture Surgical Pathologies of Trachea and their Treatment Sina Ercan	Lecture Tracheobronchial & Esophageal Foreign Bodies Levent Alpay	Lecture Thoracic Trauma II Hakan Kırıl	Lecture Benign Lung Diseases Çağatay Tezel	Lecture Mediastinal Diseases and Surgical Treatment Cansel Öztürk	Lecture Esophageal Diseases and Surgical Treatment İrfan Yalçinkaya	

THORACIC SURGERY - Group B1							
	Tuesday 15.May.2018	Wednesday 16.May.2018	Thursday 17.May.2018	Friday 18.May.2018	Monday 21.May.2018	Tuesday 22.May.2018	Wednesday 23.May.2018
08.00-08.45	Introductory Session Welcome & Acquaintance "Introduction to Thoracic Surgery" İrfan Yalçinkaya	Clinical Experience InPatient Volkan Baysungur	Clinical Skills Training Performing Needle Thoracocentesis on a Mannequin with a Tension Pneumothorax Çağatay Tezel	Clinical Experience InPatient Cansel Öztürk	Clinical Experience Surgical Hakan Kırıl	Clinical Experience Surgical Levent Alpay	Independent Learning Preparation for the Exam
09.00-09.45	Lecture Interventional Procedures in Thoracic Surgery İrfan Yalçinkaya	Case Presentation (Faculty) Pneumothorax Radiology Volkan Baysungur	Clinical Skills Training Assessment Session Çağatay Tezel	Clinical Experience InPatient Cansel Öztürk	Clinical Experience Surgical Hakan Kırıl	Clinical Experience Surgical Levent Alpay	
10.00-10.45	Case Presentation (Faculty) İrfan Yalçinkaya	Case Presentation (Faculty) Volkan Baysungur	Clinical Experience Surgical Çağatay Tezel	Case Presentation (Faculty) Cansel Öztürk	Clinical Experience Surgical Hakan Kırıl	Clinical Experience Surgical Levent Alpay	
11.00-11.45	Clinical Experience Surgical İrfan Yalçinkaya	Case Presentation (Faculty) Volkan Baysungur	Clinical Experience Surgical Çağatay Tezel	Case Presentation (Faculty) Cansel Öztürk	Clinical Experience Surgical Hakan Kırıl	Clinical Experience Surgical Levent Alpay	
12.00-13.00	Lunch						
13.00-13.45	Lecture Topographical Anatomy of the Thorax and Thoracic Incisions Cansel Öztürk	Lecture Radiological Evaluation in Thoracic Surgery Çağatay Tezel	Lecture Spontaneous Pneumothorax and Bullous Disorders Volkan Baysungur	Lecture Lung Cancers and Other Tumors of Lung Cansel Öztürk	Lecture Surgical Treatment of the Pathologies of Pleural Spaces Volkan Baysungur	Lecture Minimal Invasive Surgical Approaches in Thoracic Diseases Levent Alpay	Written Exam
14.00-14.45	Lecture Preoperative Evaluation and Diagnostic Procedures in Thoracic Surgery Volkan Baysungur	Lecture Hemoptysis Hakan Kırıl	Lecture Thoracic Trauma I Hakan Kırıl	Lecture Hydatid Cyst of the Lung Levent Alpay	Lecture Chest Wall Diseases and Surgical Treatment Çağatay Tezel	Lecture Diaphragmatic Diseases and Surgical Treatment İrfan Yalçinkaya	Oral Exam
15.00-15.45	Lecture Surgical Pathologies of Trachea and their Treatment Sina Ercan	Lecture Tracheobronchial & Esophageal Foreign Bodies Levent Alpay	Lecture Thoracic Trauma II Hakan Kırıl	Lecture Benign Lung Diseases Çağatay Tezel	Lecture Mediastinal Diseases and Surgical Treatment Cansel Öztürk	Lecture Esophageal Diseases and Surgical Treatment İrfan Yalçinkaya	

THORACIC SURGERY - Group B2							
	Tuesday 24.May.2018	Wednesday 25.May.2018	Thursday 28.May.2018	Friday 29.May.2018	Monday 30.May.2018	Tuesday 31.May.2018	Wednesday 01.Jun.2018
08.00-08.45	Introductory Session Welcome & Acquaintance "Introduction to Thoracic Surgery" İrfan Yalçinkaya	Clinical Experience InPatient Volkan Baysungur	Clinical Skills Training Performing Needle Thoracentesis on a Mannequin with a Tension Pneumothorax Çağatay Tezel	Clinical Experience InPatient Cansel Öztürk	Clinical Experience Surgical Hakan Kırıl	Clinical Experience Surgical Levent Alpay	Independent Learning Preparation for the Exam
09.00-09.45	Lecture Interventional Procedures in Thoracic Surgery İrfan Yalçinkaya	Case Presentation (Faculty) Pneumothorax Radiology Volkan Baysungur	Clinical Skills Training AssessmentSession Çağatay Tezel	Clinical Experience InPatient Cansel Öztürk	Clinical Experience Surgical Hakan Kırıl	Clinical Experience Surgical Levent Alpay	
10.00-10.45	Case Presentation (Faculty) İrfan Yalçinkaya	Case Presentation (Faculty) Volkan Baysungur	Clinical Experience Surgical Çağatay Tezel	Case Presentation (Faculty) Cansel Öztürk	Clinical Experience Surgical Hakan Kırıl	Clinical Experience Surgical Levent Alpay	
11.00-11.45	Clinical Experience Surgical İrfan Yalçinkaya	Case Presentation (Faculty) Volkan Baysungur	Clinical Experience Surgical Çağatay Tezel	Case Presentation (Faculty) Cansel Öztürk	Clinical Experience Surgical Hakan Kırıl	Clinical Experience Surgical Levent Alpay	
12.00-13.00	Lunch						
13.00-13.45	Lecture Topographical Anatomy of the Thorax and Thoracic Incisions Cansel Öztürk	Lecture Radiological Evaluation in Thoracic Surgery Çağatay Tezel	Lecture Spontaneous Pneumothorax and Bullous Disorders Volkan Baysungur	Lecture Lung Cancers and Other Tumors of Lung Cansel Öztürk	Lecture Surgical Treatment of the Pathologies of Pleural Spaces Volkan Baysungur	Lecture Minimal Invasive Surgical Approaches in Thoracic Diseases Levent Alpay	Written Exam
14.00-14.45	Lecture Preoperative Evaluation and Diagnostic Procedures in Thoracic Surgery Volkan Baysungur	Lecture Hemoptysis Hakan Kırıl	Lecture Thoracic Trauma I Hakan Kırıl	Lecture Hydatic Cyst of the Lung Levent Alpay	Lecture Chest Wall Diseases and Surgical Treatment Çağatay Tezel	Lecture Diaphragmatic Diseases and Surgical Treatment İrfan Yalçinkaya	Oral Exam
15.00-15.45	Lecture Surgical Pathologies of Trachea and their Treatment Sina Ercan	Lecture Tracheobronchial & Esophageal Foreign Bodies Levent Alpay	Lecture Thoracic Trauma II Hakan Kırıl	Lecture Benign Lung Diseases Çağatay Tezel	Lecture Mediastinal Diseases and Surgical Treatment Cansel Öztürk	Lecture Esophageal Diseases and Surgical Treatment İrfan Yalçinkaya	

**YEDİTEPE UNIVERSITY
FACULTY OF MEDICINE
PHASE IV**

CLINICAL ETHICS

YEDİTEPE UNIVERSITY FACULTY OF MEDICINE

Elif Vatanođlu Lutz, MD. Assoc. Prof.

Hakan Ertin, MD. Assoc. Prof.*

Rainer Brömer, MD. Assoc. Prof.*

* Istanbul University Istanbul Faculty of Medicine

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%
Total	100%

CLINICAL ETHICS Group B / 27 Nov-01 Dec 2017

	Monday 27.Nov.2017	Tuesday 28.Nov.2017	Wednesday 29.Nov.2017	Thursday 30.Nov.2017	Friday 01.Dec.2017
09.00-09.50	Introductory Session (Introduction to the General Medical Ethics Principles) <i>Lecturer</i>	Lecture Explaining the General Perspective of Medical Law Legislations in Turkey I <i>Lecturer</i>	Independent Learning <i>Preparation for Student Presentations</i>	Lecture and Discussion (large group) Student Presentations <i>Lecturer</i>	Collecting the papers Lecture and Discussion (large group) Student Presentations <i>Lecturer</i>
10.00-10.50	Lecture Repeating Physician.Patient Relationship Models <i>Lecturer</i>	Lecture Explaining the General Perspective of Medical law Legislations in Turkey II <i>Lecturer</i>			
11.00-11.50	Lecture Application of Medical Ethics Principles to Different Physician.Patient Relationship Models I <i>Lecturer</i>	Lecture Talking About Some Basic Examples of International Medical Legislations Which are Different from Turkey I <i>Lecturer</i>		Lecture and Discussion (large group) Student Presentations <i>Lecturer</i>	
12.00-12.50	Lunch				
13.00-13.50	Lecture Application of Medical Ethics Principles to Different Physician.Patient Relationship Models II <i>Lecturer</i>	Lecture Talking About Some Basic Examples of International Medical Legislations Which are Different from Turkey II <i>Lecturer</i>	Lecture and Discussion (large group) Student Presentations <i>Lecturer</i>	Lecture and Discussion (large group) Student Presentations <i>Lecturer</i>	Lecture and Discussion (large group) Student Presentations <i>Lecturer</i>
14.00-14.50	Lecture Application of Medical Ethics Principles to Different Physician.Patient Relationship Models <i>Lecturer</i>	Independent Learning <i>Preparation for Student Presentations</i>		Lecture and Discussion (large group) Student Presentations <i>Lecturer</i>	
15.00- 15.50	Lecture Explaining the Interdisciplinary Approach Between Medical Law and Medical Ethics <i>Lecturer</i>	Independent Learning <i>Preparation for Student Presentations</i>	Lecture and Discussion (large group) Student Presentations <i>Lecturer</i>	Lecture and Discussion (large group) Student Presentations <i>Lecturer</i>	
16.00-16.50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	
17.00-17:50					

CLINICAL ETHICS Group A / 12-16 Feb. 2018

	Monday 12.Feb.2018	Tuesday 13.Feb.2018	Wednesday 14.Feb.2018	Thursday 15.Feb.2018	Friday 116.Feb.2018
09.00-09.50	Introductory Session (Introduction to the general medical ethics principles) <i>Lecturer</i>	Lecture Explaining the general Perspective of Medical Law Legislations in Turkey I <i>Lecturer</i>	Independent Learning <i>Preparation for preventive medicine work shop</i>	Lecture and Discussion (large group) Student Presentations <i>Lecturer</i>	Collecting the papers Lecture and Discussion (large group) Student Presentations <i>Lecturer</i>
10.00-10.50	Lecture Repeating Physician Patient Relationship Models <i>Lecturer</i>	Lecture Explaining the General Perspective of Medical Law Legislations in Turkey II <i>Lecturer</i>			
11.00-11.50	Lecture Application of Medical Ethics Principles to Different Physician Patient Relationship Models I <i>Lecturer</i>	Lecture Talking About Some Basic Examples of International Medical Legislations Which are Different from Turkey I <i>Lecturer</i>		Lecture and Discussion (large group) Student Presentations <i>Lecturer</i>	
12.00-12.50	Lunch				
13.00-13.50	Lecture Application of Medical Ethics Principles to Different Physician Patient Relationship Models II <i>Elif Vatanoğlu Lutz</i>	Lecture Talking About Some Basic Examples of International Medical Legislations Which are Different from Turkey II <i>Lecturer</i>	Lecture and Discussion (large group) Student Presentations <i>Lecturer</i>	Lecture and Discussion (large group) Student Presentations <i>Lecturer</i>	Lecture and Discussion (large group) Student Presentations <i>Lecturer</i>
14.00-14.50	Lecture Application of Medical Ethics Principles to Different Physician.Patient Relationship Models III <i>Elif Vatanoğlu Lutz</i>	Independent Learning <i>Preparation for Student Presentations</i>		Lecture and Discussion (large group) Student Presentations <i>Lecturer</i>	
15.00- 15.50	Lecture Explaining the Interdisciplinary Approach Between Medical Law and Medical Ethics <i>Elif Vatanoğlu Lutz</i>	Independent Learning <i>Preparation for Student Presentations</i>	Lecture and Discussion (large group) Student Presentations <i>Lecturer</i>	Lecture and Discussion (large group) Student Presentations <i>Lecturer</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.

Question Types (Pencil Paper Tests)	Proportion (in Pencil.Paper Tests)
Multiple Choice Questions	80%
Short Response Essay Questions	20%
Total	100%
Other Assessment Methods and Tools	Proportion (in Pass/Fail Decision)
Evaluation of EBM homework (with a checklist)	50%
Evaluation of group presentations and discussions (with a checklist)	40%
Participation to sessions	10%
Total	100 %
Pass/Fail Decision	Proportion (in Pass/Fail Decision)
Pencil.Paper Tests	40%
Other Assessments Methods and Tools	60%
Total	100%

PUBLIC HEALTH (EVIDENCE BASED MEDICINE) Group B / 20-24 Nov. 2017

	Monday 20.Nov.2017	Tuesday 21.Nov.2017	Wednesday 22.Nov.2017	Thursday 23.Nov.2017	Friday 24.Nov.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>	Revision of the EBM homework (if required) Evaluation of the EBM homework
10.00-10.50		Lecture Epidemiologic Research Types and Basic Concepts I <i>Hale Arık Taşyikan</i>		Discussion (Small Group) Evaluation of Diagnostic Tests <i>Özlem Tanrıöver</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>	
12.00-1300	Lunch time				
13.00-14.00	Preparation for EBM Homework: Constructing answerable EBM questions and searching for evidence Facilitators: <i>Recep Erol Sezer Özlem Tanrıöver Hale Arık Taşyikan</i>	Preparation for EBM homework: Facilitators: <i>Recep Erol Sezer Özlem Tanrıöver Hale Arık Taşyikan</i>	Preparation for EBM homework: Facilitators: <i>Recep Erol Sezer Özlem Tanrıöver Hale Arık Taşyikan</i>	Preparation for, and submission of the EBM homework (latest: 14.00) Facilitators: <i>Recep Erol Sezer Özlem Tanrıöver Hale Arık Taşyikan</i>	Revision of the EBM homework (if required) Evaluation of the EBM homework
14.00-14.50	Structured group presentations and discussions Facilitators <i>Recep Erol Sezer Özlem Tanrıöver Hale Arık Taşyikan</i>	Structured group presentations and discussions	Structured group presentations and discussions	The facilitator's feedback to the student on the EBM homework <i>Recep Erol Sezer Özlem Tanrıöver Hale Arık Taşyikan</i>	Written final exam
15.00-15.50					
16.00-16.50					Program Evaluation Session Discussion of Exam, Evaluation of EBM Clerkship <i>Recep Erol Sezer Özlem Tanrıöver Hale Arık Taşyikan</i>
17.00-17.50					

PUBLIC HEALTH (EVIDENCE BASED MEDICINE) Group A / 19-23 Feb. 2018

	Monday 19.Feb.2018	Tuesday 20.Feb.2018	Wednesday 21.Feb.2018	Thursday 22.Feb.2018	Friday 23.Feb.2018
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 Arık Taşyikan	Lecture Epidemiologic Research Types and Basic Concepts II Hale Arık Taşyikan	Discussion (Large Group) An EBM Story Recep Erol Sezer Özlem Tanrıöver Hale Arık Taşyikan	Revision of the EBM homework (if required) Evaluation of the EBM homework
10.00-10.50		Lecture Epidemiologic Research Types and Basic Concepts I Hale Arık Taşyikan		Discussion (Small Group) Evaluation of diagnostic tests Özlem Tanrıöver	
11.00-11.50			Discussion (Large Group) An EBM Story Recep Erol Sezer Özlem Tanrıöver Hale Arık Taşyikan	Lecture Confounding factor, Bias and Types of Bias Özlem Tanrıöver	
12.00-1300	Lunch time				
13.00-14.00	Preparation for EBM Homework: Constructing answerable EBM questions and searching for evidence Facilitators: Recep Erol Sezer Özlem Tanrıöver Hale Arık Taşyikan	Preparation for EBM homework: Facilitators: Recep Erol Sezer Özlem Tanrıöver Hale Arık Taşyikan	Preparation for EBM homework: Facilitators: Recep Erol Sezer Özlem Tanrıöver Hale Arık Taşyikan	Preparation for, and submission of the EBM homework (latest:14.00) Facilitators: Recep Erol Sezer Özlem Tanrıöver Hale Arık Taşyikan	Revision of the EBM homework (if required) Evaluation of the EBM homework
14.00-14.50	Structured group presentations and discussions Facilitators Recep Erol Sezer Özlem Tanrıöver Hale Arık Taşyikan	Structured group presentations and discussions Facilitators Recep Erol Sezer Özlem Tanrıöver Hale Arık Taşyikan	Structured group presentations and discussions Facilitators Recep Erol Sezer Özlem Tanrıöver Hale Arık Taşyikan	The facilitator's feedback to the student on the EBM homework Recep Erol Sezer Özlem Tanrıöver Hale Arık Taşyikan	Written final exam
15.00-15.50					
16.00-16.50					
17.00-17.50					Program Evaluation Session Discussion of Exam, Evaluation of EBM Clerkship Recep Erol Sezer Özlem Tanrıöver Hale Arık Taşyikan

**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

2017 - 2018 PHASE IV LIST OF STUDENT COUNSELING

	NO	AD	SOYAD	EĞİTİM DANIŞMANI
1	20160800108	NAZ CANSU	AKKAŞ	DOÇ. DR. BAKİ EKÇİ
2	20140800075	DİLARA UMUT	ALTUN	DOÇ. DR. BAKİ EKÇİ
3	20130800010	HİLMİ	ALPTEKİN	PROF. DR. RACİHA BERİL KÜÇÜMEN
4	20140800096	LADEN	ALTAY	PROF. DR. RACİHA BERİL KÜÇÜMEN
5	20150800107	MUHARREM BERKER	ALTINTAŞ	DOÇ. DR. HASAN AYDIN
6	20130800009	ALEV	ARSLAN	DOÇ. DR. HASAN AYDIN
7	20140800022	İLKE ESİN	AYDINER	DOÇ. DR. MÜGE BIÇAKCIGİL
8	20140800023	MUSTAFA CANER	AYDIN	DOÇ. DR. MÜGE BIÇAKCIGİL
9	20140800017	İPEK	AYRI	DOÇ. DR. MÜGE BIÇAKCIGİL
10	20140800015	BERİL	BALAK	DOÇ. DR. ZEHRA EREN
11	20140800018	ECE	BATUR	DOÇ. DR. ZEHRA EREN
12	20140800073	NİYZAZİ GÖRKEM	BEKTAŞ	DOÇ. DR. ZEHRA EREN
13	20140800068	İREM	BOLLUK	YRD. DOÇ. DR. NALAN ALAN SELÇUK
14	20130800074	YILDIRIM HAN	BOZAL	YRD. DOÇ. DR. NALAN ALAN SELÇUK
15	20140800088	BASSEL	BSAT	DOÇ. DR. SONER SANIOĞLU
16	20140800014	HATİCE ZEYNEP	CEYLAN	DOÇ. DR. SONER SANIOĞLU
17	20130800079	VOLKAN	CİVELEK	PROF. DR. BERRİN AKTEKİN
18	20130800059	YUNUS EMRE	ÇADIRCI	PROF. DR. BERRİN AKTEKİN
19	20140800020	EGEMEN KAAN	ÇAKAR	DOÇ. DR. BURCU ÖRMECİ
20	20130800045	SEÇKİN	ÇELİK	DOÇ. DR. BURCU ÖRMECİ
21	20140800070	ECE MELİS	ÇETİNKAYA	DOÇ. DR. BURCU ÖRMECİ
22	20140800009	GÖKTUĞ	ÇETİNYOL	DOÇ. DR. NAZ BERFU AKBAŞ
23	20160800093	SİMAY	ÇİL	DOÇ. DR. NAZ BERFU AKBAŞ
24	20130800069	BÜŞRA NUR	ÇOŞAN	DOÇ. DR. NAZ BERFU AKBAŞ
25	20130800001	SERKAN	DEKTAŞ	YRD. DOÇ. DR. AYŞEGÜL SARSILMAZ OYGEN
26	20140800102	BATUHAN BERK	DEMİR	YRD. DOÇ. DR. AYŞEGÜL SARSILMAZ OYGEN
27	20140800069	UMAY	DİLEK	YRD. DOÇ. DR. AYŞEGÜL SARSILMAZ OYGEN
28	20130800006	HASAN	DÖNER	PROF. DR. ÖZGE KÖNER
29	20140800081	EZGİ	DUMAN	PROF. DR. ÖZGE KÖNER
30	20130800020	MELİKE SABA	ERDİNÇ	PROF. DR. İŞİN DOĞAN EKİCİ
31	20160800106	HAZAL	ERDİNÇ	PROF. DR. İŞİN DOĞAN EKİCİ
32	20120800088	DAMLA	ERDOĞAN	PROF. DR. FERDA ÖZKAN
33	20130800075	MURAT	ERDOĞAN	PROF. DR. FERDA ÖZKAN
34	20140800077	MERYEM BEYZA	ERKAN	PROF. DR. SİBEL TEMÜR
35	20140800027	MERCAN	EZELSOY	PROF. DR. SİBEL TEMÜR
36	20140800053	GÖRKEM	FEYZULLAHOĞLU	YRD. DOÇ. DR. SEVGİ BİLGEN
37	20140800074	BAŞAK	GÜNAY	YRD. DOÇ. DR. SEVGİ BİLGEN
38	20140800084	LORINA	HAZIRI	YRD. DOÇ. DR. SEVGİ BİLGEN
39	20130800008	ZELİHA NUR	IRMAK	YRD. DOÇ. DR. MUSTAFA FERUDUN ÇELİKMEN
40	20140800019	AYLİN	İKİS	YRD. DOÇ. DR. MUSTAFA FERUDUN ÇELİKMEN
41	20140800041	ÖMER SERTAÇ	İLASLAN	YRD. DOÇ. DR. MUSTAFA FERUDUN ÇELİKMEN
42	20140800039	AYSU	KAÇAR	PROF. DR. UĞUR TÜRE
43	20140800045	OSMAN KAMİL	KAMILOĞLU	PROF. DR. UĞUR TÜRE
44	20130800068	SİDAR	KARABULUT	DOÇ. DR. TURHAN ÖZLER
45	20130800048	SILA	KARAKUŞ	DOÇ. DR. TURHAN ÖZLER
46	20120800045	İREM BUŞE	KARAKUM	PROF. DR. SELAMİ SÖZÜBİR
47	20140800058	BURAKSU	KARSLI	YRD. DOÇ. DR. MUHSİN ALTUNSOY
48	20140800034	MELİH KAĞAN	KAVCIOĞLU	YRD. DOÇ. DR. PINAR TURA
49	20130800076	EREN	KAVUKÇU	YRD. DOÇ. DR. PINAR TURA
50	20120800023	KORAY	KAYA	YRD. DOÇ. DR. PINAR TURA
51	20140800013	ALİ	KESER	YRD. DOÇ. DR. BARIŞ MURAT AYYACI
52	20130800004	KEVSER	KİŞİFLİ	YRD. DOÇ. DR. BARIŞ MURAT AYYACI
53	20130800028	DENİZ	KOCA	YRD. DOÇ. DR. BARIŞ MURAT AYYACI
54	20140800004	KIVANÇ	KORKMAZ	YRD. DOÇ. DR. FATMA FERDA KARTUFAN
55	20130800012	ATA	KÖKEN	YRD. DOÇ. DR. FATMA FERDA KARTUFAN
56	20140800076	ECE	KUDUBAN	YRD. DOÇ. DR. FATMA FERDA KARTUFAN

57	20130800043	GÖZDE	KURAN	YRD. DOÇ. DR. RASİM YILMAZER
58	20130800007	DİLGE	KÜÇÜKCAN	YRD. DOÇ. DR. RASİM YILMAZER
59	20130800088	JOSEPF FURKAN	KÜÇÜKTAŞ	YRD. DOÇ. DR. RASİM YILMAZER
60	20130800078	SENA	LOGOĞLU	YRD. DOÇ. DR. NESLİHAN UZTÜRE
61	20110800071	USAMA SULEIMAN	NASSOR	DOÇ. DR. NESLİHAN TAŞDELEN
62	20140800082	EDA	OLCAYTUĞ	YRD. DOÇ. DR. NESLİHAN UZTÜRE
63	20140800072	ECEM	OLTULU	YRD. DOÇ. DR. NESLİHAN UZTÜRE
64	20130800046	MEYSA	ÖNCEL	PROF. DR. ÜMMÜHAN MERAL ABAN
65	20130800035	DENİZ CAN	ÖNEN	PROF. DR. ÜMMÜHAN MERAL ABAN
66	20140800071	YAĞIZ	ÖZDAĞ	PROF. DR. ÜMMÜHAN MERAL ABAN
67	20140800038	FEHMİ GİRAY	ÖZGÜN	PROF. DR. İLHAN TOPALOĞLU
68	20120800005	OĞUZ GÖKBERK	ÖZHAN	PROF. DR. İLHAN TOPALOĞLU
69	20130800005	SELMA NUR	ÖZKIRAZ	DOÇ. DR. MELTEM ERGÜN
70	20130800070	DUHA YAREN	ÖZTÜRK	DOÇ. DR. MELTEM ERGÜN
71	20140800001	ALİ EMRE	ÖZTÜRK	DOÇ. DR. MELTEM ERGÜN
72	20130800050	ATİLA BERKE	ÖZÜS	DOÇ. DR. BAŞAR SARIKAYA
73	20140800046	NAZ	PAYTONCU	DOÇ. DR. BAŞAR SARIKAYA
74	20140800063	HÜMA ARDA	PEDİRİK	DOÇ. DR. BAŞAR SARIKAYA
75	20120800002	KONURALP	SAGLAM	PROF. DR. UĞUR ŞAYLI
76	20130800072	PELİN	SARI	PROF. DR. UĞUR ŞAYLI
77	20140800033	DİLANUR SULTAN	SEÇİLMİŞ	YRD. DOÇ. DR. OSMAN MELİH TOPÇUOĞLU
78	20130800065	SEMİH SERGEN	SEMERÇİ	YRD. DOÇ. DR. OSMAN MELİH TOPÇUOĞLU
79	20120800009	OĞUZCAN	SERNİKLİ	YRD. DOÇ. DR. OSMAN MELİH TOPÇUOĞLU
80	20140800064	AYŞE EZGİ	SEVER	DOÇ. DR. ÖMER FARUK BAYRAK
81	20140800035	ZELİHA İLKE	SUNGUR	DOÇ. DR. ÖMER FARUK BAYRAK
82	20140800086	NAİLE	ŞABAN	DOÇ. DR. ÖMER FARUK BAYRAK
83	20140800056	MUSTAFA EFE	ŞÜKÜROĞLU	YRD. DOÇ. DR. AYŞEGÜL KUŞKUCU
84	20130800066	ELİF NUR	TAKIR	YRD. DOÇ. DR. AYŞEGÜL KUŞKUCU
85	20130800060	AYŞE NAZ	TEKKÖK	YRD. DOÇ. DR. AYŞEGÜL KUŞKUCU
86	20140800067	ESRA EZGİ	TEMÜR	YRD. DOÇ. DR. MUSTAFA BERBER
87	20160800099	ECE	TOPKAYA	YRD. DOÇ. DR. MUSTAFA BERBER
88	20140800079	DENİZ	TURGUT	YRD. DOÇ. DR. MUSTAFA BERBER
89	20130800004	ZEYNEP İLAY	YALÇIN	DOÇ. DR. NESLİHAN TAŞDELEN
90	20130800071	OLCAY	YAVUZ	YRD. DOÇ. DR. SEVGİ BİLGİN
91	20130800042	YEKTA	YILDIRIM	YRD. DOÇ. DR. SEVGİ BİLGİN
92	20140800049	ÖYKÜ MERVE	YILMAZ	YRD. DOÇ. DR. MUSTAFA AYTEK ŞİMŞEK
93	20140800007	MERVE	ZENGİN	YRD. DOÇ. DR. MUSTAFA AYTEK ŞİMŞEK
94	20120800081	MUSTAFA FADIL	YUNIS	YRD. DOÇ. DR. NURCAN KIZILCIK SANCAR
95	20170800113	FERİDE NURSELİ	ENGEL	YRD. DOÇ. DR. MUSTAFA AYTEK ŞİMŞEK
96	20170800114	FARAH JAMAL	TAHA	DOÇ. DR. AHMET TUNÇ ÖZDEMİR
96	20170800117	SELEN	ÖZKAN	DOÇ. DR. AHMET TUNÇ ÖZDEMİR

Contact

Faculty Secretary :

Tel: +90 216 578 00 00 (3005)

Dean Secretary:

Tel: +90 216 578 05 05 – 06

Fax: +90 216 578 05 75

Student Affairs :

Tel: 0216 578 06 86

Documents Affairs:

Tel: 0216 578 05 93

Coordinator/ Co.coordinator:

Gazi YILDIRIM MD, Assoc. Prof. (Coordinator) 216 578 40 00 (4831) / gaziildirim@yeditepe.edu.tr

Müge BIÇAKÇIGİL MD, Assoc. Prof. (Co.coordinator) 216 467 88 63 (6109) / mbicakcigil@yeditepe.edu.tr

Zehra EREN MD, Assoc. Prof. (Co.coordinator) 216 578 40 00 (4799)/ zeren@yeditepe.edu.tr

Hülya SARIÇOBAN, Assoc. Prof. (Co.coordinator) 216 578 40 00 (4101) / hulya.saricoban@yeditepe.edu.tr

M. Feridun KÜÇÜKMEN MD, Assist. Prof. (Co.coordinator) 216 578 40 00 (5060) / f.kucukmen@yeditepe.edu.tr

Address:

Yeditepe University Faculty of Medicine
İnönü Mah. Kayışdağı Caddesi,
26 Ağustos Yerleşimi,

34755 Ataşehir, İstanbul

Web: www.yeditepe.edu.tr

<http://www.yeditepe.edu.tr/fakulteler/tip.fakultesi>

e-mail: tipfakdek@yeditepe.edu.tr



YEDİTEPE UNIVERSITY
FACULTY OF MEDICINE

İnönü Mah.Kayışdağı Cad. 26 Ağustos Yerleşimi
34755 Ataşehir / İstanbul
Tel: (+90 216) 578 00 00

www.yeditepe.edu.tr

<http://www.yeditepe.edu.tr/fakulteler/tip.fakultesi>

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