



CARDIOVASCULAR SYSTEM AND RELATED DISORDERS

YEAR 3 COURSE 1

September 1st, 2014 – October 24th, 2014

Coordinator of the Course 3.1 Instructor, Dila ŞENER	Coordinator of the Module 3.1 Asist. Prof., Mümtaz GÜRAN
Coordinator of Multidisciplinary Students' Lab. Instructor, Dila ŞENER	Coordinator of Clinical Skill Lab. Asist. Prof., Canan Zaimoğlu
Coordinator of Assessment Unite Asist. Prof., Ayşe ÜLGEN, Asist. Prof., Mümtaz GÜRAN, Instructor, Dila ŞENER	Coordinator of ICS Res. LAB. Asist. Prof., Ayşe ÜLGEN
Year 3 Coordinators Assoc. Prof., Arzu Akşit İLKi & Asist. Prof., Pınar Mega TİBER	
Module Coordinator Assoc. Prof., Özlem SARIKAYA	Introduction to Clinician Skills(ICS) Coordinators Prof., Sibel SAKARYA, Assoc. Prof., Pemra ÜNALAN
Coordinator of Multidisciplinary Students' Lab. Asist. Prof., Betül KARADEMİR	Coordinator of Assessment Unite Asist. Prof., Cevdet NACAR
Vice-Chief Coordinators	
Assessment Asist. Prof., Cevdet NACAR	Students' Affairs Asist. Prof., Can ERZİK
Chief Coordinator Assoc. Prof., Hasan YANANLI	Coordinator of Medical Education Program Evaluation and Development Commission Prof., Berrak Ç. YEĞEN
Educational Consultant Assoc. Prof., Mehmet Ali GÜLPINAR	
Dean (EMU) Prof., Nahide GÖKÇORA	Dean (MU) Prof., Pamir ATAGÜNDÜZ

LEARNING OUTCOMES / COMPETENCIES

- A. **Clinical Care: Qualified patient care and community oriented health care**
 - 1. Basic clinical skills
 - 2. The organization and management of the patient and the patient care
 - 3. The organization and the management of health care delivery services / system
 - 4. Health promotion and disease prevention
- B. **Medical Knowledge and Evidence-Based Medicine**
 - 5. Appropriate information retrieval and management skills
 - 6. The integration of knowledge, critical thinking and evidence-based decision making
 - 7. Scientific methods and basic research skills
- C. **Professional Attitudes and Values**
 - 8. Communication skills and effective communication with patients / patient relatives
 - 9. Interpersonal relationships and team working
 - 10. Ethical and professional values, responsibilities
 - 11. Individual, social and cultural values and responsibilities
 - 12. Reflective practice and continuing development
 - 13. Healthcare delivery systems, management and community oriented health care
 - 14. Education and counseling

PHASE-1 LEARNING OBJECTIVES

- 1. Understanding the normal structures and functions of human body
- 2. Correlating the basic concepts and principles to each other that define health and disease; applying basic concepts and principles to health and disease conditions
- 3. Developing clinical problem solving, clinical reasoning and evaluation skills by integrating biomedical, clinical, social and humanities knowledge
- 4. Gaining basic clinical skills by applications in simulated settings.
- 5. Awareness of the professional values in health and disease processes (professional, individual, societal) and acquisition necessary related skills
- 6. Evaluating critically and synthesizing all the medical evidence and perform respecting scientific, professional and ethical values
- 7. Acquisition skills in reflective thinking and practicing, being open to continuous individual / professional development.

PHASES – 1 THEMA/ORGAN SYSTEM-BASED COURSE PROGRAMS

Year 1, Course 1: Introduction to Cell and Cellular Replication

Year 1, Course 2: Cellular Metabolism and Transport

Year 1, Course 3: Development and Organization of Human Body

Year 1, Course 4: Introduction to Nervous System and Human Behavior

Year 2, Course 1: Cell and Tissue Injury I

Year 2, Course 2: Cell and Tissue Injury II

Year 2, Course 3: Hematopoietic System and Related Disorders

Year 2, Course 4: Musculoskeletal, Integumentary Systems and Related Disorders

Year 2, Course 5: Respiratory System and Related Disorders

Year 3, Course 1: Cardiovascular System and Related Disorders

Year 3, Course 2: Gastrointestinal System, Metabolism and Related Disorders

Year 3, Course 3: Nervous System and Related Disorders

Year 3, Course : Growth, Development, Mental Health and Related Disorders

Year 3, Course 5: Urinary and Reproductive System and Related Disorders

CARDIOVASCULAR SYSTEM AND RELATED DISORDERS

AIM and LEARNING OBJECTIVES of COURSE

Aim: With an interdisciplinary approach, to learn about the morphology and functions of the cardiovascular system, about the principles of circulation and to correlate the pathophysiological mechanisms with the diseases of the cardiovascular system.

Learning Objectives:

- To learn the morphology of the heart and the vessels
- To describe the basic mechanisms of circulation
- To define and discuss the factors impairing the normal function of the cardiovascular system and their pathological reflections on the occurrence of the diseases
- To learn the major symptoms and signs of the cardiovascular diseases and the principles of therapeutic approaches
- To learn the methods of the prevention from the cardiovascular diseases and its epidemiological importance as related with the mortality and morbidity in the population

ASSESSMENT SYSTEM

Module examination: Written exam at the end of module (10 % of final score)

Practical examination: Practical exams at the end of course

Course examination: Written exam at the end of course

PROGRAM EVALUATION

Evaluation at the end of the course, is done both orally and by using structured evaluation forms

DEPARTMENTS PARTICIPATING IN COURSE-3.1

- Anatomy
- Biochemistry
- Biophysics
- Cardiology
- Cardiovascular Surgery
- Clinical Pharmacology
- Family Medicine
- Histology and Embryology

- Nuclear Medicine
- Microbiology
- Pathology
- Pediatric Cardiology
- Physiology
- Public Health
- Radiology

LECTURERS / TUTORS

Ahmet Akıcı, Assoc. Prof. of Pharmacology
Alper Yıldırım, Assist. Professor of Physiology
Arzu Uzuner, Assoc. Professor of Family Medicine
Atila Karaalp, Professor of Pharmacology
Ayşe Garip, Assoc. Professor of Biophysics
Berrak Yeğen, Professor of Physiology
Beste Özben, Assoc. Prof. of Cardiology
Betül Karademir, Assist. Professor of Biochemistry
Canan Zaimoğlu, Assist. Prof. of Pediatrics
Çiğdem Apaydın, Assoc. Prof. of Family Medicine
Çiğdem Çelikel, Professor of Pathology
Dila Şener, Inst, Histology & Emb.
Evrin Dalyan, Instructor, School of Foreign Languages and Preparatory School, Modern Languages Division
Figen Akalın, Professor of Pediatric Cardiology
Güner Söyledir, Professor of Microbiology
İbrahim Sarı, Assoc. Professor of Cardiology

Kemal Berkman, Professor of Pharmacology
Koray Ak, Assoc. Prof. of Cardiovascular Surgery
Leyla Cinel, Professor of Pathology
Mustafa Kürşat Tigen, Assoc. Professor of Cardiology
Nahide Gökçora, Professor of Nuclear Medicine
Okan Erdoğan, Professor of Cardiology
Onur Buğdaycı, Assist. Prof. of Radiology
Osman Yeşildağ, Professor of Cardiology
Özgür Kasımay, Assoc. Professor of Physiology
Pemra Ünalın, Assoc. Prof. Family Medicine
Pınar Mega Tiber, Assoc. Prof. of Biophysics
Saime Batırel, Assist. Professor of Biochemistry
Serap Şirvancı, Assoc. Professor of Histology & Emb.
Sibel Sakarya, Professor of Public Health
Ümit Şehirli, Professor of Anatomy
Zafer Gören, Professor of Pharmacology

READING / STUDYING MATERIALS

- Pocket Guide to ECG Diagnosis, Edward K.Chung, First edition, Blackwell Science.
- Chou's Electrocardiography in Clinical Practice, 6th edition, Surawicz, Kinilans, 2008, Saunders, Elsevier.
- Clinical Cardiology, Lange Medical Books, Melvin D. Cheitlin, Maurice Sokolow, Malcolm B. Mc Ilroy.
- Cardiac Imaging Secrets, Elsevier Neil J. Weissman MD, Gabriel A. Adelman MD, 2004.
- Clinical Electrocardiography, Ary L. Goldberger, Simplified Approach Mosby-Elsevier, 2008.
- Drugs for the Heart, Lionel H. Opie, Bernard J. Gersh 7th Edition, Saunders Elsevier.
- Current Diagnosis and Treatment in Cardiology, Michael Crawford Lange Medical Books, McGraw Hill, 2006.
- Clinical Skills, Bouchier and Morris, Saunders.
- Braunwald Heart Disease, 8th Edition, W. B. Saunders, Eugene Braunwald, Douglas P.Zipes, Peter Libby, 2012.
- Kardiyoloji, Editörler: İsfendiyar Candan, Derviş Oral, Ankara Üniversitesi, Tıp Fakültesi Yayınları.
- Klinik Kardiyoloji, Hasan Gök, Nobel Kitabevi, 2002.
- Lecture Notes on Cardiology, Huon H Gray, Keith H Dawkins, John M. Morgan, T. Simpson, 4th Edition Blackwell Science.
- Lecture Notes on Clinical Skills, Robert Turner, Roger Blackwood, 3rd Edition, Blackwell Science, 2003.
- Pathophysiology of Heart Disease, Leonard S. Lilly, Lea & Febiger, 2008.
- Manual of Cardiovascular Medicine, 3rd Edition, Brian P Griffin, Eric J. Topol, Lippincott Williams & Wilkins, 2004.
- Cardiovascular Diagnosis The Initial Examination, J. Willis Hurst Mosby Wolfe Medical Communication, 2004.
- Cardiac Drug Therapy, M. Gabriel Kahn, 6th Edition, Saunders.
- Handbook of Cardiovascular Emergencies, 2nd Edition, James W. Hoekstra, Lippincott Williams Wilkins.
- Hurst's The Heart, Manual of Cardiology, 10th Edition, Robert A. O'Rourke, Valentin Fuster, R.Wayne Alexander.
- Cardiovascular Physiology Lange Physiology Series, David E. Rohrman, Louis J. Heller, 6th Edition, 2006.
- A Pocket Guide to Physical Examination and History Taking, Barbara Bates J. B., Lippincott.
- Kardiyoloji Modern Semiyoloji, Prof. Dr. Dinçer Uçak, Nobel Kitabevi, 2003.
- A Colour Atlas of Physical Signs in Cardiovascular Disease, L. M. Shapiro, K. M. Fox Wolfe Medical Publication.
- Netter's Cardiology, Marschall S Runge, Magnus Ohman, Icon Learning Systems 2004.

SUMMARY OF THE COURSE 3.1

Discipline	Lecture & Group Discussion	Multidisciplinary Lab. & Clinical Skills Lab. Practice	Total
Anatomy	4	2	6
Biochemistry	8		8
Biophysics	11		11
Cardiology	28		28
Cardiovascular Surgery	1		1
Clinical Pharmacology	12		12
Family Medicine	2		2
Histology and Embryology	5	2	7
Nuclear Medicine	1		1
Microbiology	2		2
Pathology	4	2	6
Pediatric Cardiology	5		5
Physiology	12	10	22
Public Health	2		2
Radiology	1		1
Subtotal	98	16	114
PBL Module	10		10
ICS-3: Basic Medical Practices, Clinical Skills Lab., Students Research Activity	2	16	18
Communication in Turkish-IV (Foreign Students)	28		28
TOTAL	138	32	170

THEORETICAL AND PRACTICAL SESSIONS		LECTURER/TUTOR
WEEK 1 (September 01-05, 2014)		
Monday	01 September	
08:40-09:30	STUDY TIME	
09:40-10:30	Introduction to the course:New horizons and development in the future of Cardiology	Dr. Osman Yeşildağ
10:40-11:30	Principal symptom and general signs in cardiovascular disease	Dr. Osman Yeşildağ
11:40-12:30	Principal symptom and general signs in cardiovascular disease	Dr. Osman Yeşildağ
13:40-14:30	Cardiovascular diseases in special population	Dr. Osman Yeşildağ
14:40-15:30	Approach to the patient with cardiovascular system disease	Dr. Osman Yeşildağ
Tuesday	02 September	
08:40-09:30	STUDY TIME	
09:40-10:30	Diagnostic methods in cardiology	Dr. Osman Yeşildağ
10:40-11:30	Diagnostic methods in cardiology	Dr. Osman Yeşildağ
11:40-12:30	Pericarditis	Dr. Osman Yeşildağ
13:40-14:30	Introduction to cardiovascular pharmacology	Dr. Zafer Gören
14:40-15:30	Pharmacotherapy in peripheral arterial occlusive diseases and venous thromboembolic disease	Dr. Zafer Gören
15:40-16:30	Epidemiology of coronary heart disease	Dr. Sibel Sakarya
16:40-17:30	Epidemiology of hypertension and rheumatic fever	Dr. Sibel Sakarya
Wednesday	03 September	
09:40-10:30	STUDY TIME	
10:40-11:30	Communication in Turkish-IV	Dr. Evrim Dalyan
11:40-12:30	Communication in Turkish-IV	Dr. Evrim Dalyan
13:40-14:30	Communication in Turkish-IV	Dr. Evrim Dalyan
14:40-15:30	Communication in Turkish-IV	Dr. Evrim Dalyan
15:40-16:30	STUDY TIME	
Thursday	04 September	
08:40-09:30	Histology of the heart	Dr. Serap Şirvancı
09:40-10:30	Histology of blood vessels	Dr. Serap Şirvancı
10:40-11:30	Histology of blood vessels	Dr. Serap Şirvancı
11:40-12:30	Development of the cardiovascular system	Dr. Serap Şirvancı
13:40-14:30	Development of the cardiovascular system	Dr. Serap Şirvancı
14:40-15:30	Histology LAB: Histology of heart ,blood vessels	Dr. Serap Şirvancı Dr. Dila Şener
15:40-16:30	Histology LAB: Histology of heart ,blood vessels	Dr. Serap Şirvancı Dr. Dila Şener
Friday	05 September	
08:40-09:30	STUDY TIME	

09:40-10:30	Heart and pericardium	Dr. Ümit Şehirli
10:40-11:30	Heart and pericardium	Dr. Ümit Şehirli
11:40-12:30	Heart and pericardium	Dr. Ümit Şehirli
13:40-14:30	Anatomy of the vessels (arterial and venous system)	Dr. Ümit Şehirli
14:40-15:30	Anatomy LAB: Heart and Pericardium	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün
15:40-16:30	Anatomy LAB: Heart and Pericardium	Dr. Ümit Şehirli Dr. Berfu Çerçi Öngün
WEEK 2 (September 08-12, 2014)		
Monday	08 September	
08:40-09:30	Principal of hemodynamics	Dr. Özgür Kasımay
09:40-10:30	Principal of hemodynamics	Dr. Özgür Kasımay
10:40-11:30	Regulation of blood flow	Dr. Özgür Kasımay
11:40-12:30	Circulation through specific organs	Dr. Özgür Kasımay
13:40-14:30	Lipoprotein metabolism	Dr. Saime Batırel Dr. Betül Karademir
14:40-15:30	Lipoprotein metabolism	Dr. Saime Batırel Dr. Betül Karademir
15:40-16:30	Lipoprotein metabolism	Dr. Saime Batırel Dr. Betül Karademir
16:40-17:30	Vascular events	Dr. Saime Batırel Dr. Betül Karademir
Tuesday	09 September	
08:40-09:30	Cardiac injury and markers	Dr. Saime Batırel Dr. Betül Karademir
09:40-10:30	Cardiac injury and markers	Dr. Saime Batırel Dr. Betül Karademir
10:40-11:30	Hyperlipidemias and atherosclerosis	Dr. Saime Batırel Dr. Betül Karademir
11:40-12:30	Hyperlipidemias and atherosclerosis	Dr. Saime Batırel Dr. Betül Karademir
13:40-14:30	Regulation of blood pressure	Dr. Özgür Kasımay
14:40-15:30	Regulation of blood pressure	Dr. Özgür Kasımay
15:40-16:30	Regulation of blood pressure	Dr. Özgür Kasımay
16:40-17:30	STUDY TIME	
Wednesday	10 September	
08:40-09:30	STUDY TIME	
09:40-10:30	Cardiac cycle	Dr. Berrak Yeğen
10:40-11:30	Cardiac cycle	Dr. Berrak Yeğen
11:40-12:30	Principles of ECG	Dr. Berrak Yeğen
13:40-14:30	Principles of ECG	Dr. Berrak Yeğen
14:40-15:30	ECG and its interpretation	Dr. Berrak Yeğen

15:40-16:30	Physiology LAB: Blood pressure,heart sounds ,pulse	Dr. Özgür Kasımay Dr. Alper Yıldırım
16:40-17:30	Physiology LAB: Blood pressure,heart sounds ,pulse	Dr. Özgür Kasımay Dr. Alper Yıldırım
Thursday	11 September	
08:40-09:30	Physiology LAB: ECG-1	Dr. Özgür Kasımay Dr. Alper Yıldırım
09:40-10:30	Physiology LAB: ECG-1	Dr. Özgür Kasımay Dr. Alper Yıldırım
10:40-11:30	Physiology LAB: ECG-1	Dr. Özgür Kasımay Dr. Alper Yıldırım
11:40-12:30	Physiology LAB: ECG-1	Dr. Özgür Kasımay Dr. Alper Yıldırım
13:40-14:30	Physiology LAB: ECG-2	Dr. Özgür Kasımay Dr. Alper Yıldırım
14:40-15:30	Physiology LAB: ECG-2	D Dr. Özgür Kasımay Dr. Alper Yıldırım
15:40-16:30	Physiology LAB: ECG-2	Dr. Özgür Kasımay Dr. Alper Yıldırım
16:40-17:30	Physiology LAB: ECG-2	Dr. Özgür Kasımay Dr. Alper Yıldırım
Friday	12 September	
08:40-09:30	Heart sounds	Dr. İnci Alican
09:40-10:30	Cardiac output	Dr. İnci Alican
10:40-11:30	Arterial pulse	Dr. İnci Alican
11:40-12:30	Coronary circulation	Dr. İnci Alican
13:40-14:30	Physiological properties of cardiac muscle	Dr. İnci Alican
14:40-15:30	Regulation of cardiac functions	Dr. İnci Alican
15:40-16:30	Communication in Turkish-IV	Dr. Evrim Dalyan
16:40-17:30	Communication in Turkish-IV	Dr. Evrim Dalyan
WEEK 3 (September 15-19, 2014)		
Monday	15 September	
08:40-09:30	Communication in Turkish-IV	Dr. Evrim Dalyan
09:40-10:30	Communication in Turkish-IV	Dr. Evrim Dalyan
10:40-11:30	Introduction to ICS-3	Dr. Pemra Ünal
11:40-12:30	Introduction to ICS-3	Dr. Pemra Ünal
13:40-14:30	PBL MODULE-1	Dr. Pemra Ünal Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
14:40-15:30	PBL MODULE-1	Dr. Pemra Ünal Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
15:40-16-30	Elderly patient with leg pain: Primary care approach	Dr. Pemra Ünal
16:40-17:30	Adult patient with chest pain: Primary care approach	Dr. Pemra Ünal

Tuesday	16 September	
08:40-09:30	ICS-3: Basic Clinical Skills Lab: Respiratory System	Dr. Pemra Ünalın Dr. Canan Zaimođlu Dr. Berfu Çerçi Öngün
09:40-10:30	ICS-3: Basic Clinical Skills Lab: Respiratory System	Dr. Pemra Ünalın Dr. Canan Zaimođlu Dr. Berfu Çerçi Öngün
10:40-11:30	ICS-3: Basic Clinical Skills Lab: Respiratory System	Dr. Pemra Ünalın Dr. Canan Zaimođlu Dr. Berfu Çerçi Öngün
11:40-12:30	ICS-3: Basic Clinical Skills Lab: Respiratory System	Dr. Pemra Ünalın Dr. Canan Zaimođlu Dr. Berfu Çerçi Öngün
13:40-14:30	ICS-3: Basic Clinical Skills Lab: Respiratory System	Dr. Pemra Ünalın Dr. Canan Zaimođlu Dr. Berfu Çerçi Öngün
14:40-15:30	ICS-3: Basic Clinical Skills Lab: Respiratory System	Dr. Pemra Ünalın Dr. Canan Zaimođlu Dr. Berfu Çerçi Öngün
15:40-16:30	ICS-3: Basic Clinical Skills Lab: Respiratory System	Dr. Pemra Ünalın Dr. Canan Zaimođlu Dr. Berfu Çerçi Öngün
16:40-17:30	ICS-3: Basic Clinical Skills Lab: Respiratory System	Dr. Pemra Ünalın Dr. Canan Zaimođlu Dr. Berfu Çerçi Öngün
Wednesday	17 September	
08:40-09:30	Clinical electrocardiography	Dr. Okan Erdoğan
09:40-10:30	Clinical electrocardiography	Dr. Okan Erdoğan
10:40-11:30	Cardiac dysrhythmias	Dr. Okan Erdoğan
11:40-12:30	Cardiac dysrhythmias	Dr. Okan Erdoğan
13:40-14:30	Atherosclerosis& hypertensive cardiovascular events	Dr. Leyla Cinel
14:40-15:30	Atherosclerosis& hypertensive cardiovascular events	Dr. Leyla Cinel
15:40-16:30	Vasculitis	Dr. Leyla Cinel
Thursday	18 September	
08:40-09:30	Communication in Turkish-IV	Dr. Evrim Dalyan
09:40-10:30	Communication in Turkish-IV	Dr. Evrim Dalyan
10:40-11:30	Principal of hemodynamics	Dr. Ayşe Garip
11:40-12:30	Principal of hemodynamics	Dr. Ayşe Garip
13:40-14:30	Cardiac action potentials	Dr. Ayşe Garip
14:40-15:30	Principles of echocardiography	Dr. Ayşe Garip
15:40-16:30	STUDY TIME	
Friday	19 September	
09:40-10:30	Principles of electrocardiography	Dr. Ayşe Garip

10:40-11:30	Principles of electrocardiography	Dr. Ayşe Garip
11:40-12:30	Electrical fields,potential at a point	Dr. Ayşe Garip
13:40-14:30	Electrical fields,potential at a point	Dr. Ayşe Garip
14:40-15:30	Communication in Turkish-IV	Dr. Evrim Dalyan
15:40-16:30	Communication in Turkish-IV	Dr. Evrim Dalyan
16:40-17:30	STUDY TIME	

WEEK 4 (September 22-26, 2014)		
Monday	22 September	
09:40-10:30	Pharmacotherapy of cardiac dysrhythmias	Dr. Atila Karaalp
10:40-11:30	Pharmacotherapy of cardiac dysrhythmias	Dr. Atila Karaalp
11:40-12:30	Pharmacotherapy of heart failure	Dr. Atila Karaalp
13:40-14:30	Pharmacotherapy of heart failure	Dr. Atila Karaalp
14:40-15:30	Pharmacotherapy of hyperlipidemias	Dr. Atila Karaalp
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Tuesday	23 September	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	Viscosity,laminar and turbulent flow	Dr. Pınar Mega Tiber
13:40-14:30	Viscosity,laminar and turbulent flow	Dr. Pınar Mega Tiber
14:40-15:30	Bernouilli's equation,the role of gravity in the circulation	Dr. Pınar Mega Tiber
15:40-16:30	PBL MODULE-2	Dr. Atilla Karaalp Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
16:40-17:30	PBL MODULE-2	Dr. Atilla Karaalp Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
Wednesday	24 September	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Radiology of the cardiovascular system	Dr. Onur Buğdaycı
11:40-12:30	Approach to thromboembolic disorders	Dr. Koray Ak
13:40-14:30	Coronary artery disease	Dr. Beste Özben
14:40-15:30	Coronary artery disease	Dr. Beste Özben
15:40-16:30	Acute coronary syndrome	Dr. Beste Özben
16:40-17:30	Acute coronary syndrome	Dr. Beste Özben
Thursday	25 September	
08:40-09:30	Examination of the heart and vessels	Dr. İbrahim Sarı
09:40-10:30	Examination of the heart and vessels	Dr. İbrahim Sarı

10:40-11:30	Syncope and sudden cardiac death	Dr. İbrahim Sarı
11:40-12:30	Diseases of the aorta and the peripheral blood vessels	Dr. İbrahim Sarı
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	PBL MODULE-3	Dr. İbrahim Sarı Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
16:40-17:30	PBL MODULE-3	Dr. İbrahim Sarı Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
Friday	26 September	
08:40-09:30	Ischaemic heart disease	Dr. Çiğdem Çelikel
09:40-10:30	Ischaemic heart disease	Dr. Çiğdem Çelikel
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	Pharmacotherapy of ischaemic heart disease and MI	Dr. Kemal Berkman
14:40-15:30	Pharmacotherapy of ischaemic heart disease and MI	Dr. Kemal Berkman
15:40-16:30	STUDY TIME	
WEEK 5 (September 29-October 03, 2014)		
Monday	29 September	
08:40-09:30	STUDY TIME	
09:40-10:30	Congenital cyanotic heart disease	Dr. Figen Akalın
10:40-11:30	Congenital acyanotic heart disease with left to right shunt	Dr. Figen Akalın
11:40-12:30	Congenital heart disease with valvular obstruction or stenosis	Dr. Figen Akalın
13:40-14:30	PBL MODULE-4	Dr. Çiğdem Apaydın Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
14:40-15:30	PBL MODULE-4	Dr. Çiğdem Apaydın Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
15:40-16:30	Acute rheumatic fever	Dr. Figen Akalın
16:40-17:30	Acute rheumatic fever	Dr. Figen Akalın
Tuesday	30 September	
08:40-09:30	ICS-3: Basic Clinical Skills Lab: Cardiovascular System	Dr. Çiğdem Apaydın Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
09:40-10:30	ICS-3: Basic Clinical Skills Lab: Cardiovascular System	Dr. Çiğdem Apaydın Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
10:40-11:30	ICS-3: Basic Clinical Skills Lab: Cardiovascular System	Dr. Çiğdem Apaydın Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
11:40-12:30	ICS-3: Basic Clinical Skills Lab: Cardiovascular System	Dr. Çiğdem Apaydın

		Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
13:40-14:30	ICS-3: Basic Clinical Skills Lab: Cardiovascular System	Dr Çiğdem Apaydın Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
14:40-15:30	ICS-3: Basic Clinical Skills Lab: Cardiovascular System	Dr Çiğdem Apaydın Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
15:40-16:30	ICS-3: Basic Clinical Skills Lab: Cardiovascular System	Dr Çiğdem Apaydın Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
16:40-17:30	ICS-3: Basic Clinical Skills Lab: Cardiovascular System	Dr Çiğdem Apaydın Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
Wednesday	01 October	
08:40-09:30	STUDY TIME	
09:40-10:30	Communication in Turkish-IV	Dr. Evrim Dalyan
10:40-11:30	Communication in Turkish-IV	Dr. Evrim Dalyan
11:40-12:30	Pharmacotherapy of hypertension	Dr. Ahmet Akıcı
13:40-14:30	Pharmacotherapy of hypertension	Dr. Ahmet Akıcı
14:40-15:30	Pharmacotherapy of hypertension	Dr. Ahmet Akıcı
15:40-16:30	PBL MODULE-5	Dr. Çiğdem Apaydın Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
16:40-17:30	PBL MODULE-5	Dr Çiğdem Apaydın Dr. Canan Zaimoğlu Dr. Berfu Çerçi Öngün
Thursday	02 October	
09:40-10:30	Communication in Turkish-IV	Dr. Evrim Dalyan
10:40-11:30	Communication in Turkish-IV	Dr. Evrim Dalyan
11:40-12:30	STUDY TIME	
Friday	03 October	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Communication in Turkish-IV	Dr. Evrim Dalyan
11:40-12:30	Communication in Turkish-IV	Dr. Evrim Dalyan
13:40-14:30	Communication in Turkish-IV	Dr. Evrim Dalyan
14:40-15:30	Communication in Turkish-IV	Dr. Evrim Dalyan

WEEK 6 (October 06-10, 2014)

Monday	06 October	
08:40-09:30	STUDY TIME	

09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
Tuesday	07 October	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
Wednesday	08 October	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
Thursday	09 October	
09:40-10:30	STUDY TIME	
10:40-11:30	Microbiological approach to cardiovascular infections	Dr. Güner Söyledir
11:40-12:30	Microbiological approach to cardiovascular infections	Dr. Güner Söyledir
13:40-14:30	Communication in Turkish-IV	Dr. Evrim Dalyan
14:40-15:30	Communication in Turkish-IV	Dr. Evrim Dalyan
Friday	10 October	
09:40-10:30	STUDY TIME	
10:40-11:30	Communication in Turkish-IV	Dr. Evrim Dalyan
11:40-12:30	Communication in Turkish-IV	Dr. Evrim Dalyan
13:40-14:30	Neoplastic diseases of the heart & blood vessels	Dr. İpek Erbarut
14:40-15:30	Valvular diseases of the heart	Dr. İpek Erbarut
15:40-16:30	Pathology LAB: Heart and valvular diseases	Dr. İpek Erbarut
16:40-17:30	Pathology LAB: Heart and valvular diseases	Dr. İpek Erbarut

WEEK 7 (October 13-17, 2014)		
Monday	13 October	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Communication in Turkish-IV	Dr. Evrim Dalyan
11:40-12:30	Communication in Turkish-IV	Dr. Evrim Dalyan
13:40-14:30	Systemic hypertension and hypertensive heart disease	Dr. Mustafa Kürşat Tigen
14:40-15:30	Systemic hypertension and hypertensive heart disease	Dr. Mustafa Kürşat Tigen
15:40-16:30	Heart failure and cardiogenic shock	Dr. Mustafa Kürşat Tigen

16:40-17:30	Heart failure and cardiogenic shock	Dr. Mustafa Kürşat Tigen
Tuesday	14 October	
08:40-09:30	Infective endocarditis and and myocarditis	Dr. Mustafa Kürşat Tigen
09:40-10:30	Cardiomyopathies	Dr. Mustafa Kürşat Tigen
10:40-11:30	Valvular Heart Disease	Dr. Mustafa Kürşat Tigen
11:40-12:30	Valvular Heart Disease	Dr. Mustafa Kürşat Tigen
13:40-14:30	Myocardial scintigraphy and radionuclide ventriculography	Dr. Nahide Gökçora
14:40-15:30	Communication in Turkish-IV	Dr. Evrim Dalyan
15:40-16:30	Communication in Turkish-IV	Dr. Evrim Dalyan
Wednesday	15 October	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
Thursday	16 October	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
Friday	17 October	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	

WEEK8 (October 20-24, 2014)		
Monday	20 October	
08:40-09:30	PRACTICAL EXAMINATION	
09:40-10:30		
10:40-11:30		
11:40-12:30		
Tuesday	21 October	
08:40-09:30	PRACTICAL EXAMINATION	
09:40-10:30		
10:40-11:30		
11:40-12:30		
Wednesday	22 October	
08:40-09:30		

09:40-10:30		
10:40-11:30		
11:40-12:30		
Thursday	23 October	
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30		
Friday	24 October	
08:40-09:30	THEORETICAL EXAMINATION	
09:40-10:30		
10:40-11:30		
11:40-12:30		