



دانشگاه علوم پزشکی تهران
دانشکده پزشکی

(Fundamentals of Clinical Medicine1-FCM)

Sina – Shariati Hospitals

In collaboration with the departments

- Internal Diseases •**
- Pharmacology •**
- pathology •**
- Clinical skills center •**

**First Semester
Session 2016 - 2017**



In the name of God

The final program of clinical skills courses

Shariati / Sina Hospitals

Day	8 : 10	10:30 : 12:30	13:30 : 15:30
Saturday 95.06.27	Introduction to clinical medicine S Nasser Moghaddam	Introduction to clinical reasoning S Nasser Moghaddam	
Sunday 95.06.28	Pain Dr M Sfanbod	Abdominal pain Dr SH Merat	Headache Dr A Sadeghi
Monday 95.06.29	Altered level of consciousness Dr Abdi	Fever, chills & fever of undetermined origin (FUO) Dr M Sorouri	
Tuesday 95.06.30			
Wednesday 95.06.31		Palpitation and cyanosis Dr AR Sima	Diarrhea/Constipation Dr AR Sima
Thursday 95.07.01			
Friday 95.07.02			
Saturday 95.07.03	Dizziness/Vertigo/ fainting Dr A.asgari	Chest pain / Dr AA Sohrabpour	Diarrhea/Constipation Dr AR Sima
Sunday 95.07.04	Interpersonal Communication skills		
Monday 95.07.05	Physician and patient Communication skills		
Tuesday 95.07.06	Physician and patient Communication skills		Cough&Hemoptysis Dyspnea Dr K Gohari-Moghaddam
Wednesday 95.07.07	Physician and patient Communication skills		Weight gain and weight loss Dr A Nasli
Thursday 95.07.08			
Friday 95.07.09			
Saturday 95.07.10	Dysuria/Polyuria/Polydipsia Oliguria/ Dr M Hakemi	Nausea and vomiting Dr R Malekzadeh	Low back pain/Arthralgia/Arthritis Dr H Kavooosi
Saturday 95.07.17	<u>Clinical skills exam</u> Time: 13:30 Pm		

Course name	Clinical skills
Place class	Medical faculty: class 3

Note: Semiology practical classes (all students are divided to 2-5 members in each team 2 hours per week and all Thursdays during MATAB 1)

**The final program of clinical skills courses
Shariati / Sina Hospitals**

	8 - 10	10.30 – 12.30	13.30 – 15.30		
Sunday 10/09/2016	pharmacology General principles & introduction Dr. Dehpour	Pharmacology Drug Receptors & Pharmacodynamics (1) Dr. Dehpour	Pharmacology Drug Receptors & Pharmacodynamics (2) Dr. Dehpour	Pharmacology Intracellular Signaling Mechanisms Dr. Dehpour	Injection First category Skill lab
Monday 10/10/2016	Pharmacology Pharmacokinetics (Absorption, Distribution, Extraction)1&2 Dr. Jazayeri	Pharmacology Drug metabolism Dr. Jazayeri	Pharmacology Basic and clinical evaluation of new drugs Dr. Jazayeri	Immunology Immunodeficiency diseases	
Tuesday 10/11/2016	Tasooa- Public holiday				
Wednesday 10/12/2016	Ashooraa- Public holiday				
Thursday 10/13/2016					
Friday 10/14/2016	Public holiday				
Saturday 10/15/2016	Pharmacology Introduction to Autonomic Nervous system Dr. SHafaroodi	Pharmacology Cholinoceptor activating & Cholinesterase-Inhibiting drugs Dr. SHafaroodi	Pharmacology Cholinoceptor blocking drugs Dr. SHafaroodi		Immunology Use and interpretation of immunologic Tests
Sunday 10/16/2016	Pharmacology Adrenoceptor agonist & sympathomimetic drugs and Adrenoceptor antagonist drugs Dr. SHafaroodi	Immunology Immunology of Infectious Diseases	Injection Second category Skill lab		
Saturday 10/22/2016	Final exam: 10.30 A. M- Medical faculty				

Immunology	pharmacology	Course name
Medical faculty: class 3	Medical faculty: class 3	location

**The final program of Nephrology course
Shariati / Sina Hospitals**

	8 - 10	10.30 – 12.30	13.30 – 15.30
Sunday 10/23/2016	Theoretical pathology Diseases of the Kidney and Lower Urinary Tract	Nephrology Anatomy and physiology of Kidney	
Monday 10/24/2016	Theoretical pathology Diseases of the Kidney and Lower Urinary Tract	Nephrology Semiology of kidney diseases	
Tuesday 10/25/2016	Theoretical pathology Diseases of the Kidney and Lower Urinary Tract	Immunology Immunology of implantation	Vertical integrated themes Professional commitment in Cyberspace Dr. Asghari /Dr. Kadivar
Wednesday 10/26/2016	Nephrology volume and osmolality disorders	Nephrology Nephrotic and Nephritic syndromes	Vertical integrated themes Reasoning Dr. Monjemi /Dr. Soltani
Thursday 10/27/2016			
Friday 10/28/2016	Public holiday		
Saturday 10/29/2016	Nephrology Acids and Bases (1)	Nephrology Acids and Bases (2)	
Sunday 10/30/2016	Theoretical pathology Pathology of male genital diseases	Nephrology Potassium (1)	
Monday 10/31/2016	Nephrology Hypertension	Nephrology Potassium (2)	Practical pathology Pyelonephritis, Renal cell carcinoma, nodular prostatic hyperplasia, bladder carcinoma and seminoma
Tuesday 11/01/2016	Nephrology Disorders of Sodium Concentration	Theoretical pharmacology Antihypertensive drugs Dr. Jahangiri	Theoretical pharmacology Diuretic drugs Dr. bakhtiarian
Wednesday 11/02/2016	Nephrology Acute renal failure	Nephrology Chronic renal failure	Vertical integrated themes Reasoning Dr. soltani/ Dr. monjemi
Thursday 11/03/2016			
Friday 11/04/2016	Public holiday		
Saturday 11/05/2016	Nephrology Nephrolithiasis and Urinary tract infection	Nephrology The kidney in Diabetes and systemic disease	
Sunday 11/06/2016	Nephrology pregnancy in polycystic kidney disease	Nephrology Hemodialysis and peritoneal dialysis	(case based discussion)
Wednesday 11/09/2016	Pharmacology and pathology exam: 13.30 P.M medicine faculty		
Tuesday 11/15/2016	Nephrology exam: 13.30 P.M medicine faculty		

Vertical integrated themes	Immunology	case based) (discussion	Practical pathology	pharmacology	pathology	pathophysiology	course
Medical faculty class 3	Medical faculty class 3	Medical faculty Habibi hall	Medical faculty Habibi hall	Medical faculty class 3	Medical faculty class 3	Medical faculty class 3	location

**The final program cardiology course
Shariati / Sina Hospitals**

	8 - 10	10.30 – 12.30	13.30 – 15.30
Wednesday 11/16/2016	Theoretical pathology Pathology of Dermatologic Diseases	Immunology Immunodermatology	Practical pathology Squamous cell carcinoma, Basal cell carcinoma, Melanocytic nevus, Malignant melanoma
Thursday 11/17/2016			
Friday 11/18/2016	Public holiday		
Saturday 11/19/2016			
Sunday 11/20/2016	Public holiday		
Monday 11/21/2016	Theoretical pathology Pathology of Heart Disease	Cardiology Normal cardiovascular system	Vertical integrated themes Personal growth First category Dr. Azimi
Tuesday 11/22/2016	Theoretical pathology Pathology of Heart Disease	Cardiology Manifestations of cardiovascular disease	Vertical integrated themes Personal growth Second category Dr. Azimi
Wednesday 11/23/2016	Cardiology paraclinical studies in cardiovascular diseases	Cardiology Principles of normal cardiac electrophysiology and Heart Blocks	Vertical integrated themes Personal growth First category Dr. Azimi
Saturday 11/24/2016			
Friday 11/25/2016	Public holiday		
Saturday 11/26/2016	Theoretical pathology Pathology of vascular diseases	Cardiology Pericardial Diseases and Infective Endocarditis	Vertical integrated themes Personal growth Second category Dr. Azimi
Sunday 11/27/2016	Theoretical pathology Pathology of vascular diseases	Cardiology Diseases of Arteries and Veins	Vertical integrated themes Personal growth First category Dr. Azimi
Monday 11/28/2016	Public holiday		
Tuesday 11/29/2016			
Wednesday 11/30/2016	Public holiday		
Thursday 12/01/2016			
Friday 12/02/2016	Public holiday		
Saturday 12/03/2016	Cardiology Coronary Artery Diseases (1)	Cardiology Coronary Artery Diseases (2)	Vertical integrated themes Personal growth Second category Dr. Azimi

Sunday 12/04/2016	Cardiology Mitral and tricuspid valve diseases		Cardiology Heart failure	Theoretical pharmacology Heart glycosides & Heart failure medication Dr. Jahangiri	Theoretical pharmacology Hyperlipidemic drugs Dr. Jahangiri
Monday 12/05/2016	Cardiology Arterial hypertension		Cardiology Cardiac Arrhythmias and Cardiopulmonary resuscitation	Theoretical pharmacology Antiarrhythmic drugs, Vasodilators and Angina pectoris treatment Dr. Jahangiri	
Tuesday 12/06/2016	Cardiology Aortic and pulmonary valves diseases		Cardiology Cardiomyopathy	Practical pathology Atherosclerosis, Myocardial infarction, Temporal arteritis, Lymphangioma	
Wednesday 12/07/2016	Cardiology Decreasing arterial blood pressure (Shock)	Cardiology Heart & Pregnancy	Cardiology Congenital heart disease	(case based discussion)	
Tuesday 12/13/2016	Cardiology exam: 13.30 p.m Medicine faculty				
Sunday 12/18/2016	Pharmacology and pathology exam: 13.30 P.M medicine faculty				

Vertical integrated themes	Immunology	case based) (discussion	Practical pathology	pharmacology	pathology	pathophysiology	course
Medical faculty class 3	Medical faculty class 3	Medical faculty Class 3	Medical faculty Habibi hall	Medical faculty class 3	Medical faculty class 3	Medical faculty class 3	location

The final program gland diseases course

Shariati / Sina Hospitals

	8 - 10	10.30 – 12.30	13.30 – 15.30
Monday 12/19/2016	Endocrinology Introduction to endocrinology	Endocrinology Disorders of the anterior pituitary and hypothalamus	Immunology Immunology of endocrine disorders
Tuesday 12/20/2016	Theoretical pathology Pathology of endocrine disorders	Theoretical pharmacology Hypothalamus & Pituitary gland hormones (posterior -anterior) Dr. dehpour	Theoretical pharmacology Calcium homeostasis drugs Dr. dehpour
Wednesday 12/1/2016	Theoretical pathology Pathology of endocrine disorders	Endocrinology Adrenal cortex disorders	Practical pathology multinodular goiter, Hashimoto's thyroiditis, Thyroid carcinoma
Thursday 12/22/2016			
Friday 12/23/2016	Public holiday		
Saturday 12/24/2016	Endocrinology Adrenal cortex disorders	Endocrinology Diabetes: definition, diagnosis, treatment	Vertical integrated themes Professional commitment in Cyberspace Dr. Kadivar /Dr. Asghari
Sunday 12/25/2016	Endocrinology Chronic Complications Of Diabetes	Endocrinology Acute complications of diabetes mellitus, Diabetic Ketoacidosis, Hyperosmolar Hyperglycemic Nonketotic Syndrome	
Monday 12/26/2016	Theoretical pathology Pathology of Gynecological Disorders	Endocrinology Gonadal disorders, Metabolic syndrome, Obesity	Immunology Immunology of fertility and infertility
Tuesday 12/27/2016	Theoretical pathology Pathology of Gynecological Disorders	Immunology Hirsutism and Amenorrhea	Theoretical pharmacology Corticosteroids Dr. Sahebgharani
Wednesday 12/28/2016	Theoretical pathology Pathology of Gynecological Disorders	Endocrinology Thyroid: introduction, Thyroid function tests	Practical pathology Endometrial hyperplasia, Endometrial carcinoma, Ovarian follicular cyst, Ovarian carcinoma
Saturday 12/29/2016			
Friday 12/30/2016	Public holiday		
Saturday 12/31/2016	Theoretical pathology Breast Diseases	Endocrinology Hyperthyroidism, Hypothyroidism, Thyroiditis	
Sunday 01/01/2017	Endocrinology Posterior Pituitary Disorders	Endocrinology Thyroid nodules, Thyroid cancer	Theoretical pharmacology Gonadal hormones & inhibitors Dr. shafaroodi
Monday 01/02/2017	Endocrinology Hypocalcemia, Hypercalcemia, Osteomalacia, Osteoporosis	Endocrinology Hypoglycemia	

Tuesday 01/03/2017	Endocrinology Dyslipidemia	Theoretical pharmacology Thyroid hormones and anti-thyroid drugs Pancreatic hormones & Anti-diabetic drugs Dr. Rezayat	Practical pathology Breast Fibroadenomas, Breast Carcinoma, Hydatidiform mole, Choriocarcinoma
Wednesday 01/04/2017	Endocrinology Nuclear medicine in diagnosis and management of (endocrine disorders)	(case based discussion)	
Tuesday 01/10/2017	Endocrinology exam: 13.30 P.M medicine faculty		
Saturday 01/14/2017	Pharmacology and pathology exam: 13.30 P.M medicine faculty		

Vertical integrated themes	Immunology	case based) (discussion	Practical pathology	pharmacology	pathology	pathophysiology	course
Medical faculty class 3	Medical faculty class 3	Medical faculty Class 3	Medical faculty Habibi hall	Medical faculty class 3	Medical faculty class 3	Medical faculty class 3	location

**The final program digestive disease course
Shariati / Sina Hospitals**

	8 - 10	10.30 – 12.30		14 - 15	
Sunday 01/15/2017	Theoretical pathology Pathology of Gastrointestinal Diseases	Gastrointestinal I Diseases Liver Tests Interpretation	Gastrointestinal Diseases Malabsorption syndrome, Acute and chronic Diarrhea	Immunology Immunology and Nutrition	
Monday 01/16/2017	Theoretical pathology Pathology of Gastrointestinal Diseases	Gastrointestinal Diseases Acute and chronic hepatitis		Immunology Immunology of liver and Gastrointestinal Diseases	
Tuesday 01/17/2017	Theoretical pathology Pathology of Gastrointestinal Diseases	Gastrointestinal Diseases Fatty Liver Disease	Gastrointestinal Diseases Gallstones, Cholestasis (PSC .PBC)		
Wednesday 01/18/2017	Theoretical pathology Pathology of Gastrointestinal Diseases	Gastrointestinal Diseases Tumors of the small intestine and colon & GIB		Practical pathology Hemorrhoid Juvenile Polyposis Syndrome Adenocarcinoma of stomach or colon	
Thursday 01/19/2017					
Friday 01/20/2017	Public holiday				
Saturday 01/21/2017	Gastrointestinal Diseases Dyspepsia and Stomach & Esophageal tumors	Gastrointestinal Diseases Acute and Chronic Pancreatitis			
Sunday 01/22/2017	Theoretical pathology Liver and biliary system and pancreas	Gastrointestinal Diseases Inflammatory bowel diseases (IBD)			
Monday 01/23/2017	Theoretical pathology Liver and biliary system and pancreas	Gastrointestinal Diseases Irritable bowel syndrome (IBS) and chronic abdominal pain		Theoretical pharmacology Histamine Dr. Dehpour	Theoretical pharmacology Histamine antagonist drugs Dr. Dehpour
Tuesday 01/24/2017	Theoretical pathology Liver and biliary system and pancreas	Gastrointestinal Diseases Esophageal diseases		Theoretical pharmacology Serotonin Dr. Dehpour	Theoretical pharmacology Serotonin antagonist drugs Dr. Dehpour
Wednesday 01/25/2017	Gastrointestinal Diseases Cirrhosis and Complications	Gastrointestinal Diseases Cancers of the Pancreas, Gall Bladder and Liver	Gastrointestinal Diseases Ascites, Peritoneal Disorders and Intestinal & peritoneal tuberculosis	Practical pathology Pleomorphic adenoma of salivary gland, Cirrhosis and Hepatocellular carcinoma	
Thursday 01/26/2017					
Friday 01/27/2017	Public holiday				

Saturday 01/28/2017	Gastrointestinal Diseases Gastritis, Helicobacter pylori, NSAID-related gastrointestinal complications		Gastrointestinal Diseases Peptic Ulcer, Gastroesophageal reflux and Esophagitis		
Sunday 01/29/2017	Gastrointestinal Diseases Wilson's disease and Hemochromatosis	Theoretical pharmacology Gastrointestinal drugs Dr. jahangiri	Gastrointestinal Diseases Parasitic infections of the gastrointestinal tract and Hydatid Cysts	Gastrointestinal Diseases AIH and Drug- induced hepatitis	case based) (discussion
Saturday 02/04/2017	Castro logy exam: 13.30 medicine faculty				
Wednesday 02/08/2017	Pharmacology and pathology exam: 13.30 P.M medicine faculty				
Sunday 02/12/2017	Immunology exam: 13.30 medicine faculty				
Wednesday 02/15/2017	<u>Clinical skills exam</u>				

Vertical integrated themes	Immunology	case based) (discussion	Practical pathology	pharmacology	pathology	pathophysiology	course
Medical faculty class 3	Medical faculty class 3	Medical faculty Class 3	Medical faculty Habibi hall	Medical faculty class 3	Medical faculty class 3	Medical faculty class 3	location

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