

Lesson plan

DEPARTMENT - MEDICINE

Period: Jan 2017 to May 2017

Semester: 4th

Sr. No.	Date	Topic Lecture	Lesson Plan	Name of teacher
Semester: 4th				
1	05/01/2017	History of Medicine Concept & Objective of Diagnosis	<ul style="list-style-type: none"> • History of medicine from Hippocrates to present day developments • Diagnosis clinical, laboratory & its correlation 	Dr. S. S. Mangudkar
2	12/01/2017	Medical Ethics	<ul style="list-style-type: none"> • Principles of medical ethics • Doctor patients relationship • Communication skills • End of life care • Disclosure of diagnosis 	
3	19/01/2017	History taking Differential Diagnosis	<ul style="list-style-type: none"> • Detailed history taking form personal data chief complains history of presenting illness past/family history-significant of each • Differential diagnosis & approach to case 	
4	02/02/2017	Cardio-vascular system (CVS Symptomatology)	<ul style="list-style-type: none"> • Signs & symptoms of CVS & approach to case of CVS 	
5	09/02/2017	Respiratory system (RS) Symptomatology	<ul style="list-style-type: none"> • Signs & symptoms of respiratory system & approach to case of RS 	
6	16/02/2017	Nervous system CNS Symptomatology	<ul style="list-style-type: none"> • Signs & symptoms of CNS • Definition of different symptoms & approach to a CNS case 	

7	23/02/2017	Gastro intestinal tract (GIT) Symptomatology	<ul style="list-style-type: none"> • Signs & symptoms of GIT diseases • Approach to case of GIT disease 	Dr.Aakash Badgujar
8	02/03/2017	Hepatobiliary Symptomatology	<ul style="list-style-type: none"> • Anatomy, signs, symptoms, approach to a case of hepatobiliary disease 	
9	09/03/2017	Patient with fever – approach	<ul style="list-style-type: none"> • Definition / types of fever/ approach to case of fever/PUO 	
10	16/03/2017	Patient with Anaemia – Approach	<ul style="list-style-type: none"> • Definition of anaemia / classification /signs /symptoms /diagnosis /treatment/approach to case of anemia 	
11	23/03/2017	Patient with Lymphadenopathy – Approach	<ul style="list-style-type: none"> • Definition/generalized lymphadenopathy / localized lymphadenopathy differential diagnosis 	
12	30/03/2017	Investigation -I (Non Invasive) X-Ray USG CT MRI PBS	<ul style="list-style-type: none"> • Importance of each investigations / technical details / indications / contra indications / recent advances 	
13	06/04/2017	Investigation -II (Invasive) FNAC, LP, BM, LN, Liver biopsy	<ul style="list-style-type: none"> • Indication / contra indications / methods of each surgical procedures 	
14	13/04/2017	Review of common Diseases in India	<ul style="list-style-type: none"> • Malaria/ TB / enteric fever etc short review 	
15	20/04/2017	Approach to oedema	<ul style="list-style-type: none"> • Definition / causes of edema/ pathophysiology/ approach to case of edema 	
16	27/04/2017	Approach to jaundice	<ul style="list-style-type: none"> • Definition/types of jaundice/clinical features / causes/ complications/ diagnosis/treatment/ approach/ differential diagnosis 	
17	04/05/2017	Revision	<ul style="list-style-type: none"> • Revision 	

Lesson plan

DEPARTMENT - MEDICINE

Period: Jan 2017 to May 2017

Semester: 6th

Sr. No.	Date	Topic Lecture	Lesson Plan	Name of teacher
Semester: 6th				
1	03/01/2017	Jaundice	<ul style="list-style-type: none"> • D/D, • bilirubin metabolism & LFT 	Dr.Meenakshi Kalyan
2	10/01/2017	Hepatitis-Acute Hepatitis -I	<ul style="list-style-type: none"> • Etiology • Pathology • Clinical features • Complication • Management 	
3	17/01/2017	Hepatitis- Chronic Hepatitis -II	<ul style="list-style-type: none"> • Etiology • Pathology • Clinical features • Complication • Management 	
4	24/01/2017	Cirrhosis of Liver - I	<ul style="list-style-type: none"> • Aetiopathogenesis, clinical Features & Diagnosis 	
5	31/01/2017	Cirrhosis of Liver - II	<ul style="list-style-type: none"> • Management • Complications including portal hypertension. 	
6	07/02/2017	Acute pancreatitis	<ul style="list-style-type: none"> • Etiology • Pathology • Clinical features • Complication • Management 	
7	14/02/2017	Chronic pancreatitis	<ul style="list-style-type: none"> • Etiology • Pathology • Clinical features • Complication • Management 	
8	21/02/2017	Disease of gall bladder	<ul style="list-style-type: none"> • Etiology • Clinical Features • Management 	
9	28/02/2017	Diseases of oral cavity, aphthos ulcer	<ul style="list-style-type: none"> • oral cavity affection in various diseases • Aphthos ulcer differential diagnosis, etiology, management 	
10	07/03/2017	Diseases of Oesophagus	<ul style="list-style-type: none"> • Oesophagus Anatomy • Reflux oesphagitis- etiology, types management • Achlasia cardiac GERD etiology, 	

			presentation, management	Dr.Mukund Wasekar
11	14/03/2017	Heametmesis & Maleana	<ul style="list-style-type: none"> • Haematemesis causes & management • Malena causes & management • D/D • management 	
12	21/03/2017	Disease of Stomach	<ul style="list-style-type: none"> • Peptic Ulcer types, etiology, symptoms, investigation & Management. • Acute & Chronic Gastritis. • Gastric malignancies 	
13	11/04/2017	Diseases of Small Intestine	<ul style="list-style-type: none"> • Anatomy Secretions, Functions , Malabsorption Syndrome 	
14	18/04/2017	Blood Supply of bowel & ischaemic disease of bowel	<ul style="list-style-type: none"> • Blood Supply of bowel • Etiology, clinical features and management of ischaemic bowel disease 	
15	25/04/2017	IBS	<ul style="list-style-type: none"> • Definition, presentation etiology & management 	
16	02/05/2017	Ulcerative Collitis Crohn's Disease; other disease of large intestine.	<ul style="list-style-type: none"> • Ulcerative Collitis • Crohn's Disease; • other disease of large intestine. 	
17	09/05/2017	Tuberculosis abdomen	<ul style="list-style-type: none"> • Types • Symptoms • Management 	
18	16/05/2017	Revision	<ul style="list-style-type: none"> • Revision 	

Sr. No.	Date	Topic Lecture	Lesson Plan	Name of teacher
Semester: 6th				
1	04/01/2017	Sleep Apnea disorders	<ul style="list-style-type: none"> • etiology • clinical features • investigations • mangement 	Dr. Manasi Harale
2	11/01/2017	Mediastinal syndrome	<ul style="list-style-type: none"> • clinical features • investigations 	
3	18/01/2017	Carcinoma lung	<ul style="list-style-type: none"> • risk factors • pathology • clinical features • investigations • management 	
4	25/01/2017	Pleural effusion	<ul style="list-style-type: none"> • Types • Causes • Clinical features • investigations • Management. 	
5	01/02/2017	Pneumothorax	<ul style="list-style-type: none"> • types • causes • treatment 	
6	08/02/2017	Interstitial lung diseases	<ul style="list-style-type: none"> • diffuse parenchymal lung disease • systemic inflammatory disease • pulmonary eosinophilia & vascutides • lung diseases due to irradiation drugs. • Rare ILD 	
7	15/02/2017	Revision	<ul style="list-style-type: none"> • Revision 	
8	22/02/2017	Approach to haemoptysis	<ul style="list-style-type: none"> • Definition • Causes • Management 	Dr. H. R. Chaudhari
9	01/03/2017	Bronchial asthma	<ul style="list-style-type: none"> • Epidemiology • Etiology • Pathology • Clinical features • investigations • Management 	
10	08/03/2017	COPD	<ul style="list-style-type: none"> • Etiology • Pathology • Clinical features • investigations • Management 	
11	15/03/2017	Tropical Eosinophilia	<ul style="list-style-type: none"> • Definition • Etiology • Treatment • 	
12	22/03/2017	Occupational lung diseases	<ul style="list-style-type: none"> • Occupational airway disease • Pneumoconioses • Asbestosis related lung and pleurtal disease • Lung diseases 	

			due to organic dust	
			<ul style="list-style-type: none">• Occupational lung cancer• Occupational pneumonia	
13	29/03/2017	Pulmonary thromboembolism	<ul style="list-style-type: none">• clinical features• risk factors• diagnosis• management	
14	05/04/2017	Revision	<ul style="list-style-type: none">• Revision	

Sr. No.	Date	Topic Tutorial	Lesson Plan	Name of teacher
Semester: 6th				
1	05/01/2017	Blood Transfusion & Components Therapy	<ul style="list-style-type: none"> • Indications, contra indication, adverse effects • Blood components- eg platelets, FFPs RDP's, cryoprecipitate 	Dr. Sachin Shivnitwar
2	12/01/2017	Obesity & Metabolic syndrome	<ul style="list-style-type: none"> • Definition • Problems of obesity with changed life style • Various causes of obesity • Anthropometric measurements • Complication of obesity, • treatment options • management 	
3	19/01/2017	Protein - Energy Malnutrition, anorexia nervosa Vitamin Deficiency	<ul style="list-style-type: none"> • PEM in adults • Methods to diagnose of PEM • Treatment of PEM • anorexia nervosa • Vitamin deficiency in adults .Signs , syptoms & treatment 	
4	02/02/2017	Acid base imbalance	<ul style="list-style-type: none"> • Metabolic acidosis & alkalosis. • Respiratory acidosis & alkosis. • Mixed acid base disorders. • Anionic gap disorders. 	
5	09/02/2017	Hyponatremia & hypernatremia	<ul style="list-style-type: none"> • Definition • Approach • Types • Managment 	
6	16/02/2017	Hypokalemia & hyperkalemia	<ul style="list-style-type: none"> • Approach • Causes • Ecg changes • Management • 	
7	23/02/2017	Hypertensive emergencies	<ul style="list-style-type: none"> • Etiology • Types • Investigations • Management 	
8	02/03/2017	Revision	<ul style="list-style-type: none"> • Revision 	

9	09/03/2017	Approach to dyspnoea	<ul style="list-style-type: none"> • d/d • acute dyepnoea • chronic dyepnoea 	Dr. J. S. Dhadwad
10	16/03/2017	Approach to polyarthrititis	<ul style="list-style-type: none"> • causes • clinial features • investigations • management 	
11	23/03/2017	Fever with Rash	<ul style="list-style-type: none"> • Causes • macular • maculopapular • vesicular, purpural, petechial. • erythema multiforme • erythema nodosum • diffuse erythema • migrating erythema 	
12	30/03/2017	Pulmonary function tests.	<ul style="list-style-type: none"> • Methods • Measurements • Lung volumes • Transfer factor • Arterial blood gas analysis • Exercise test 	
13	06/04/2017	Complementary medicine	<ul style="list-style-type: none"> • Safety • Regulation • Evidence • Integrated health care 	
14	13/04/2017	Acute severe asthma	<ul style="list-style-type: none"> • Clinical features • Investigations • Management 	
15	20/04/2017	Revision	<ul style="list-style-type: none"> • Revision 	

Lesson plan

DEPARTMENT - MEDICINE

Period: Dec 2017 to May 2017

Semester: 8th

Sr. No.	Date	Topic Lecture	Lesson Plan	Name of teacher
Semester: 8th				
1	27/12/2016	Genetic Disorders – introduction, common genetic disorders & prevention	<ul style="list-style-type: none"> • Importance of genetics • Structure of chromosome & gene • Identification of genetic disease • Methods to prevention. 	Dr. M. L. Mahashabde
2	03/01/2017	Immunology, anatomy, & physiology of immune system.	<ul style="list-style-type: none"> • Innate immunity • Adaptive immunity 	
3	10/01/2017	Immune deficiency, SIRS	<ul style="list-style-type: none"> • Presenting problems • Recurrent infections • Primary phagocyte deficiency • Complement pathway deficiency • Primary deficiencies of adaptive immune system • Secondary immune deficiency. 	
4	17/01/2017	Cancer & chemotherapy	<ul style="list-style-type: none"> • Hallmarks • Environmental and genetic determinants • Investigations • Presenting problems • Complications of cancer • Therapeutics in oncology 	
5	24/01/2017	Human genome & Genetic Engineering	<ul style="list-style-type: none"> • Human genome project • Lab methods utilized in genetics • Concept of genetic engineering • Present & future of genetic engineering • 	

6	31/01/2017	Protein - Energy Malnutrition, anorexia nervosa	<ul style="list-style-type: none"> • PEM in adults • Methods to diagnose of PEM • anorexia nervosa • Treatment of PEM 	Dr. A. A. Nikam
7	07/02/2017	Vitamin Deficiency States Beri - Beri, Pellagra, Scurvy, Vitamin A Deficiency, Thiamine Deficiency	<ul style="list-style-type: none"> • Vitamin deficiency in adults • Common vit deficiencies in adults • Signs , sytoms & treatment 	
8	14/02/2017	Obesity	<ul style="list-style-type: none"> • Problems of obesity with changed life style • Various causes of obesity • Anthropometric measurements • Complication of obesity • Treatment options 	
9	21/02/2017	Balanced Diet & Diet in Various Disorders	<ul style="list-style-type: none"> • Concept of balanced diet • Diets recommended in various medical disorders 	
10	28/02/2017	Fluid & electrolyte disorders	<ul style="list-style-type: none"> • Water & electrolyte distribution • Disorders of sodium balance • Disorders of water balance • Disorders of potassium balance 	
11	07/03/2017	Applied Anatomy, Physiology of Urinary System and Renal function Tests	<ul style="list-style-type: none"> • In brief anatomy & physiology of renal system • Laboratory investigation • Radiological investigations in renal system 	
12	14/03/2017	Proteinuria, Haematuria, Renal Colic : Approach	<ul style="list-style-type: none"> • Proteinuria- etiology, investigation, management • Hematuria- etiology, investigation, management 	
13	21/03/2017	Acute Glomerulonephritis	<ul style="list-style-type: none"> • Etiology, • Pathogenesis • Investigation • Management 	

14	11/04/2017	Nephrotic Syndrome	<ul style="list-style-type: none"> • Clinical features, • Differential diagnosis • Management
15	18/04/2017	Acute kidney injury	<ul style="list-style-type: none"> • Causes • Complication • Treatment of renal failure
16	25/04/2017	Chronic kidney disease	<ul style="list-style-type: none"> • Clinical presentation • Complication of CRF • Treatment & prevention
17	02/05/2017	Dialysis & Renal Transplant	<ul style="list-style-type: none"> • Hemodialysis • Peritoneal dialysis • Renal transplantation
18	09/05/2017	Infections of the Urinary System	<ul style="list-style-type: none"> • Upper & lower UTI • Evaluation • Treatment
19	16/05/2017	Tubulo- interstitial diseases	<ul style="list-style-type: none"> • Etiology • Clinical features • Management
20	23/05/2017	Revision	<ul style="list-style-type: none"> • Revision

Sr. No.	Date	Topic Lecture	Lesson Plan	Name of teacher
Semester: 8th				
1	26/12/2016	Approach to patient with Endocrine Disorders	<ul style="list-style-type: none"> Anatomy of various glands physiology of glands Action of Hormones Common symptoms 	Dr. Tushar Tonde
2	02/01/2017	Applied Anatomy of Pituitary and Disorders of Pituitary – I	<ul style="list-style-type: none"> Anatomy of pituitary gland Physiology of hormones secreted by anterior pituitary gland Prolactinoma Microadenoma Macroadenoma Acromegaly 	
3	09/01/2017	Applied Anatomy of Pituitary and Disorders of Pituitary – II	<ul style="list-style-type: none"> Anatomy Physiology of posterior pituitary gland SIADH Diabetes insipidus Treatment 	
4	16/01/2017	Thyroid Disorders – I	<ul style="list-style-type: none"> Anatomy of thyroid gland Physiology of thyroid gland with common signs and symptoms of hypothyroidism, lab diagnosis Treatment of hypothyroidism Autoimmune thyroiditis 	
5	23/01/2017	Thyroid Disorders – II	<ul style="list-style-type: none"> Hyperthyroidism thyrotoxicosis & thyroid malignancies & treatment. Subclinical hypothyroidism and hyperthyroidism 	
6	30/01/2017	Disorders of Adrenal gland – I	<ul style="list-style-type: none"> Adrenal gland anatomy, physiology & action of adrenal gland hormones Cushing disease Treatment 	
7	06/02/2017	Disorders of Adrenal gland – II	<ul style="list-style-type: none"> Addison's disease Pheochromocytoma Adrenal crisis 	

8	13/02/2017	Revision	<ul style="list-style-type: none"> • Revision 	Dr. Bhumika Vaishnav
9	20/02/2017	Vitamin D Metabolism Parathyroid Disorders with calcium metabolism -I	<ul style="list-style-type: none"> • Vit D metabolism • Hyperparathyroidism • Hypoparathyroidism • Osteoporosis 	
10	27/02/2017	Vitamin D Metabolism Parathyroid Disorders with calcium metabolism -II	<ul style="list-style-type: none"> • Hypercalcemia causes, investigations and management • Hypocalcemia causes, investigations and management 	
11	06/03/2017	Osteomalacia, Osteopetrosis & Rickets	<ul style="list-style-type: none"> • Causes, Clinical Features & treatment osteomalacia, rickets • Causes, types, Pathophysiology, osteoporosis & Treatment 	
12	20/03/2017	FSH, Estrogen, Progesterone & their Disorders	<ul style="list-style-type: none"> • Physiology of FSH, Estrogen, Progesterone secretion • Disorders due to hypo and hyper secretion of FSH, Estrogen, Progesterone 	
13	27/03/2017	Gynaecomastia, hirsutism Turners syndrome, Klinefelters syndrome.	<ul style="list-style-type: none"> • Causes • Factors associated • Management • Genetics • Early detection. 	
14	03/04/2017	Testicular disorders & male hypogonadism	<ul style="list-style-type: none"> • Clinical features • Investigations • Infertility • Androgen replacement therapy and management 	
15	10/04/2017	Neuroendocrine tumours and MEN	<ul style="list-style-type: none"> • Multiple endocrine neoplasia type 1 and type 2 • Autoimmune polyendocrine syndromes. 	
16	17/04/2017	Diabetics Mellitus-I	<ul style="list-style-type: none"> • Etiology, • Genetic inheritance 	

			<ul style="list-style-type: none"> • Investigations • complications • Management of type IDM • DKA 	
17	24/05/2017	Diabetics Mellitus-II	<ul style="list-style-type: none"> • Insulin resistance, syndrome x • Investigations • OHA / insulin • Complications 	
18	08/05/2017	Revision	<ul style="list-style-type: none"> • Revision 	

Sr. No.	Date	Topic Tutorial	Lesson Plan	Name of teacher
Semester: 8th				
1	27/12/2016	Liver biopsy, LFT, Jaundice evaluation & Ascitic fluid Interpretation, anaphylaxis	<ul style="list-style-type: none"> • Indications • Procedures • Contraindications • LFT- Different tests, • Ascitic fluid tapping- Indications & Procedure 	Dr. A. A. Bamanikar
2	03/01/2017	Haematology reports - analysis, Bone marrow report	<ul style="list-style-type: none"> • Types of anemia • Acute lymphoblastic leukemia • Acute myeloblastic leukemia • Chronic myeloid leukemia • Chronic lymphocytic leukemia • Multiple myeloma 	
3	10/01/2017	Shock,	<ul style="list-style-type: none"> • Definitions • Types of shock • Etiology • Management 	
4	17/01/2017	IV Fluids, ABG CVP	<ul style="list-style-type: none"> • Types of IV fluids and indications • ABG- metabolic/ respiratory, acidosis, metabolic/ respiratory alkalosis • CVP- indication, procedures, contra indication 	
5	24/01/2017	CSF - Anatomy & Physiology, interpretation	<ul style="list-style-type: none"> • Indication & contra indications of LP • CSF in Meningitis- (Pyogenic, TB, Viral) & SAH 	
6	31/01/2017	Uranalysis, RFT, Kidney biopsy	<ul style="list-style-type: none"> • Albuminuria, glycosuria • Puscells, RBC, culture • RFT interpretation • Kidney biopsy 	
7	07/02/2017	Electrical injury hyperpyrexia, heat exhaustion & hyperthermia	<ul style="list-style-type: none"> • Temperature regulation • Hyperthermia • Heart stroke- heat exhaustion 	

			<ul style="list-style-type: none"> • Electrical injury 	Dr. P. K. Satpathy
8	14/02/2017	Revision	<ul style="list-style-type: none"> • Revision 	
9	21/02/2017	Poisoning -I	<ul style="list-style-type: none"> • Different types of poisoning • Classification of Poisonous agents 	
10	28/02/2017	Poisoning -II	<ul style="list-style-type: none"> • First Aid measures • Decontamination removal of poisons • Organophosphorus and other common poisonings. 	
11	07/03/2017	Animal bites	<ul style="list-style-type: none"> • Classification of poisons snakes • Clinical features • Management • Complications • Scorpion bite clinical features, management. 	
12	14/03/2017	ECG - I	<ul style="list-style-type: none"> • physiology of myocardial contraction, • action potential • conducting system of heart, • lead systems, • intervals, • rhythm & heart rate 	
13	21/03/2017	ECG - II	<ul style="list-style-type: none"> • Acute coronary syndrome • Stable CAD, TMT 	
14	11/04/2017	ECG - III	<ul style="list-style-type: none"> • Arrhythmias • AV blocks • AF, SVT etc 	
15	18/04/2017	X-Ray Chest	<ul style="list-style-type: none"> • Normal chest x ray PA view , AP view, lateral view, decubitus view • Pneumonia • Lung abscess • Pleural effusion • Cavitory lesion 	

16	25/04/2017	Other X-Rays & imaging procedures - USG	<ul style="list-style-type: none"> • CT Scan • MRI
17	02/05/2017	Pleural Tap ICD, Pleural Fluid & PFT	<ul style="list-style-type: none"> • Indications • Procedures & precautions • Complications • PFT- obstructive and restrictive lung disease
18	09/05/2017	Revision	<ul style="list-style-type: none"> • Revision