

Lesson plan

DEPARTMENT - MEDICINE

Period: July 2017 to Sep 2017

Semester: 5th

Sr. No.	Date	Topic Lecture	Lesson Plan	Name of teacher
Semester: 5th				
1	05/07/2017	Measles, Mumps & Chicken Pox, Herpes Simplex, Herpes Zoster	<ul style="list-style-type: none"> • Causative agents • Epidemiology • Pathogenesis • Clinical features • Complications • Investigations • Management 	Dr. Amar Patil
2	12/07/2017	Dengue, Chikungunia yellow fever	<ul style="list-style-type: none"> • Causative agents • Epidemiology • Pathogenesis • Clinical features • Investigations • Complications and Management 	
3	19/07/2017	HIV	<ul style="list-style-type: none"> • Clinical examination, • Epidemiology and biology(Modes of transmission), • Natural history, • Classification, • Problems, • Management 	
4	26/07/2017	Polio, Rabies, & Japanese B Encephalitis	<ul style="list-style-type: none"> • Causative agent • Epidemiology • Pathogenesis, Complication • Investigations • Management 	
5	02/08/2017	Ricketssial infection	<ul style="list-style-type: none"> • Causative agent • Epidemiology • Pathogenesis, Complication • Investigations • Management 	
6	09/08/2017	New emerging infections- H1N1, SARS, bird flu, Zika	<ul style="list-style-type: none"> • Clinical features • Investigations • Management • Preventions 	
7	16/08/2017	Antibiotic Resistance	<ul style="list-style-type: none"> • Mechanisms • Causes • Types 	
8	23/08/2017	Fever of unknown origin	<ul style="list-style-type: none"> • Clinical assessment • Etiology • Investigations 	
9	30/08/2017	Febrile neutropenia, fever in immunocomprised	<ul style="list-style-type: none"> • Definition • Investigations • Treatment 	
10	06/09/2017	Revision	<ul style="list-style-type: none"> • Revision 	

11	03/07/2017	Staphylococcal, streptococcal infections	<ul style="list-style-type: none"> • Skin infections, wound infections, cannula related infections, MRSA • Staph toxic shock syndrome and management 	Dr. Manasi Harale
12	10/07/2017	Typhoid Fever	<ul style="list-style-type: none"> • Causative agents • Epidemiology • Pathogenesis • Clinical features • Complication • Investigations • Management 	
13	17/07/2017	Gastroenteritis & Cholera	<ul style="list-style-type: none"> • Causative agents • Epidemiology • Clinical features • Complications • Investigations • Prevention 	
14	24/07/2017	Tetanus / Leptospirosis	<ul style="list-style-type: none"> • Epidemiology • Pathogenesis • Clinical features • Complications • Prevention 	
15	31/07/2017	Anthrax, brucellosis, plague, syphilis	<ul style="list-style-type: none"> • Causative agents microbiology • Epidemiology • Pathogenesis • Clinical features • Complications • Treatment • Prevention 	
16	07/08/2017	Leprosy	<ul style="list-style-type: none"> • Types • Definition • Investigation • Complication • Management 	
17	14/08/2017	Syphilis	<ul style="list-style-type: none"> • Causative agent • Epidemiology • Pathogenesis • Stages of syphilis • Clinical features of each stage. • Complications • Treatment • Prevention 	
18	21/08/2017	Malaria	<ul style="list-style-type: none"> • Causative agents • Epidemiology • Pathogenesis • Clinical features • Complications. • Investigation • Management • Prevention. 	
19	28/08/2017	Amoebiasis, Amoebic Liver Abscess	<ul style="list-style-type: none"> • Causative agents 	

		& Kala Azar,	<ul style="list-style-type: none"> • microbiology • Epidemiology, Pathogenesis • Clinical features and Complications • Treatment • Prevention 	Dr. (Mrs.) P. M. Diggikar
		Filariasis/ Worm infestations	<ul style="list-style-type: none"> • Causative agents • Epidemiology • Pathogenesis • Clinical features • Complications • Investigations • Management 	
20	04/07/2017	Introduction to CVS and clinical examination	<ul style="list-style-type: none"> • Anatomy physiology of CVS 	
21	11/07/2017	CVS - Methods of Evaluation - Noninvasive and invasive	<ul style="list-style-type: none"> • ECG • 2DECHO • X ray chest • Stress test • CAG 	
22	18/07/2017	Arrhythmias	<ul style="list-style-type: none"> • Tachyarrhythmias • Bradyarrhythmias 	
23	25/07/2017	Congestive Cardiac Failure, LVF	<ul style="list-style-type: none"> • Clinical features • Investigation • Treatment • Complications of Treatment 	
24	01/08/2017	Congenital Heart Diseases in Adults	<ul style="list-style-type: none"> • Foetal heart circulation • Cyanotic heart disease • Acyanotic heart disease 	
25	08/08/2017	Rheumatic Fever	<ul style="list-style-type: none"> • Clinical features • Investigations • Treatment & Prophylaxis. • Complications 	
26	22/08/2017	Valvular Heart Disease Part- I (MS,MR,TR)	<ul style="list-style-type: none"> • Haemodynamics-clinical features • Investigation • Complications • Treatment 	
27	29/08/2017	Valvular Heart Disease, Part-II(AS,AR)	<ul style="list-style-type: none"> • Haemodynamics-clinical features • Investigation • Complications • Treatment 	
28	12/09/2017	Infective Endocarditic	<ul style="list-style-type: none"> • Etiology • Clinical features • Investigation • Treatment • Complications 	
29	19/09/2017	Revision	<ul style="list-style-type: none"> • Revision 	

30	06/07/2017	Cardiomyopathy	<ul style="list-style-type: none"> Definition, etiology, types, pathophysiology, clinical features, investigations, diagnosis, management 	Dr. J. S. Dhadwad
31	13/07/2017	Pericardial Disease	<ul style="list-style-type: none"> Definition, etiology, pathophysiology, clinical features, investigations, diagnosis, management, deferential diagnosis & complication 	
32	20/07/2017	Hypertension I	<ul style="list-style-type: none"> Definition , classification, causes, secondary causes investigation 	
33	27/07/2017	Hypertension II	<ul style="list-style-type: none"> Management, individual drugs with doses & contra indication, Treatment of complications, prevention of complications 	
34	03/08/2017	Disorders of aorta and peripheral blood vessels	<ul style="list-style-type: none"> Aortic aneurysm, aortic dissection(etiology, types, clinical features, treatment, management) Atherosclerosis. Acute & Chronic upper & lower limb ischaemia. 	
35	10/08/2017	Coronary Artery Disease	<ul style="list-style-type: none"> Definition etiology, Pathophysiology, clinical features, investigations, diagnosis & management 	
36	24/08/2017	Myocardial Infarction, Angina pectoris.	<ul style="list-style-type: none"> Definition, etiology, Pathophysiology, clinical features, investigations, diagnosis & management, Complications 	
37	31/08/2017	Revision	<ul style="list-style-type: none"> Revision 	

Lesson plan

DEPARTMENT - MEDICINE

Period: July 2017 to Sep 2017

Semester: 7th

Sr. No.	Date	Topic Lecture	Lesson Plan	Name of teacher
Semester: 7th				
1	07/07/2017	Cerebellar Syndrome	<ul style="list-style-type: none"> • Etiology • Clinical features • Management 	Dr. A. A.Palange
2	14/07/2017	Demyelinating Disorders, Multiple Sclerosis, Heredofamilial disorders & Motor Neuron Disease	<ul style="list-style-type: none"> • Causes of demyelination disorders • Common Heridofamilial disorders • Etiology, clinical features and management of Multiple Sclerosis & Motor Neuron Disease 	
3	21/07/2017	Extrapyramidal Syndromes and Movement Disorders	<ul style="list-style-type: none"> • Types • Clinical features • Different types of Involuntary Movements • Etiology, management 	
4	28/07/2017	Toxic & Nutritious disorders of Nervous System	<ul style="list-style-type: none"> • Etiology • Clinical features • Management 	
5	04/08/2017	Spinal Cord Disorders & Paraplegia & Quadriplegia.	<ul style="list-style-type: none"> • Compressive myelopathy- etiology ,clinical features & Management • Non compressive myelopathy etiology ,clinical features & Management 	
6	11/08/2017	Hemolytic Anemia	<ul style="list-style-type: none"> • Classification of hemolytic anaemia • G6PD deficiency • hereditary spherocytes • PNH • Other hemolytic anaemias • - clinical features, complications management 	Dr. Prakash Shende

7	18/08/2017	Haemoglobinopathies	<ul style="list-style-type: none"> Sickle cell syndrome Thalasemia alpha & beta clinical features & management 	
8	01/09/2017	Lymphomas-Hodgkin's & Non-Hodgkin's	<ul style="list-style-type: none"> Classification-pathology, clinical approach bone marrow finding Investigation & management 	
9	08/09/2017	Bleeding Disorders & Coagulation Disorders	<ul style="list-style-type: none"> Physiology of coagulation Clinical approach Lab investigations Diagnosis Complications, DIC, management Blood component therapy Physiology of coagulation Clinical approach Lab investigations Diagnosis 	
10	15/09/2017	Myeloproliferative & myelodysplastic syndromes	<ul style="list-style-type: none"> Classification Management 	
11	01/07/2017	Approach & Investigations to a Patients with Joint Disease	<ul style="list-style-type: none"> Clinical approach Physical examination, investigations, management 	
12	08/07/2017	Rheumatoid Arthritis	<ul style="list-style-type: none"> Etiology, Genetic background, Pathogenesis, criteria for diagnosis, radiological features, clinical features, extra articular manifestation, Investigations & management DMARD's, newer drugs 	
13	15/07/2017	Seronegative Spondyloarthritis	<ul style="list-style-type: none"> Classification Types Investigations Clinical approach Management 	

Dr. Rahul Patil

14	22/07/2017	Collagen vascular disease and auto immunity -(L1)	<ul style="list-style-type: none"> • SLE • Ssystemic sclerosis • MCTD • Sjogrens syndrome • Polymyositis, • Dermatomyositis, inclusion body myositis 	Dr. V. B. Vikhe
15	29/07/2017	Collagen vascular disease and auto immunity-(L2)	<ul style="list-style-type: none"> • Takayabus • Kawasakis • Polyarteritis nodosa • Giant cell arteritis • ANCA associated vasculitis • Churg strauss syndrome, Henoch schonlein purpura • Cryoglobulinemic vasculitis, Behcets syndrome. 	
16	05/08/2017	Gout, Pseudogout, Osteoarthritis	<ul style="list-style-type: none"> • Etiology • Clinical features • Treatment • Etiology • Clinical features • Treatment 	
17	12/08/2017	Classification of Anemia & Approach	<ul style="list-style-type: none"> • Types of anemia • physiology • clinical approach 	
18	19/08/2017	Iron Deficiency Anemia	<ul style="list-style-type: none"> • Causes of IDA • Clinical features • Lab diagnosis • Treatment of IDA • Parentral& oral preparation 	
19	26/08/2017	Megaloblastic Anemia	<ul style="list-style-type: none"> • Classification & causes of megaloblastic anaemia lab diagnosis bone marrowfindings, pernicious aneamia 	
20	09/09/2017	Acute Leukemias	<ul style="list-style-type: none"> • ALL- FAB classification • physical examination • Clinical features- complications • prognosis index • Management of ALL & ANL 	
21	16/09/2017	Chronic Leukemias	<ul style="list-style-type: none"> • CML genetics- diagnosis, clinical features • Prognosis management • Recent advances 	

Sr. No.	Date	Topic Lecture	Lesson Plan	Name of teacher
Semester: 7th				
1	06/07/2017	Introduction, Applied Anatomy & Physiology Of Brain & Spinal Cord,	<ul style="list-style-type: none"> • Basic Anatomy & Physiology. • Localising lesions . 	Dr. (Mrs.) S. A. Kanitkar
2	13/07/2017	History Taking, Neurological Investigations	<ul style="list-style-type: none"> • How to take CNS History • Neuroimaging CSF & other Investigations • Neurophysiological testing 	
3	20/07/2017	Coma - Causes, Approach& Investigations	<ul style="list-style-type: none"> • Definition • History taken and examination in a patient with coma • Diagnosis and Management 	
4	27/07/2017	Cerebrovascular Disease Part I - Applied Anatomy, Physiology, Concepts, - Localization, Diagnosis and Management	<ul style="list-style-type: none"> • Blood supply to brain • Circle of Wills • Types of cerebrovascular disorders 	
5	03/08/2017	Cerebrovascular Disease Part II - Thrombosis, Hemorrhage, Embolism, Venous Thrombosis	<ul style="list-style-type: none"> • Types of cerebrovascular disorders - Ischaemic(Thrombotic ,Embolic),Haemorrhagic. • Risk factors • Clinical features • Diagnosis & Management 	
6	10/08/2017	Space Occupying Lesions, Brain Abscess & Tumours	<ul style="list-style-type: none"> • Etiology • Clinical features • Investigation & Management 	Dr. Yashodeep Gaikwad
7	24/08/2017	Encephalitis	<ul style="list-style-type: none"> • Etiology of encephalitis • Clinical features • Investigation • Management 	
8	31/08/2017	Meningitis	<ul style="list-style-type: none"> • Etiology of meningitis • Clinical features • Management 	
9	07/09/2017	Epilepsy	<ul style="list-style-type: none"> • Classifications • Different types • Investigations • Management • Status epilepticus • 	

10	14/09/2017	Parkinsonism	<ul style="list-style-type: none">• Etiology• Clinical features• Management	
11	21/09/2017	Peripheral Neuropathy & GB Syndrome	<ul style="list-style-type: none">• Etiology• Clinical features• Management	

Lesson plan

DEPARTMENT - MEDICINE
Period: June 2017 to Sep 2017
Semester: 9th

Sr. No.	Date	Topic Lecture	Lesson Plan	Name of teacher
Semester: 9th				
1	27/06/2017	Alcohol related Diseases	<ul style="list-style-type: none"> • Acute intoxication, alcohol abuse, misuse, dependence • Alcohol withdrawal • Medical consequences (neurological, hepatic, gastrointestinal, respiratory, cardiac etc) • Psychiatry and cerebral consequences 	Dr. Tushar Tonde
2	04/07/2017	Approach to Anaphylaxis	<ul style="list-style-type: none"> • Clinical assesment • Causes • Differential diagnosis • Investigations • Management 	
3	11/07/2017	Status Epilepticus	<ul style="list-style-type: none"> • Definition • Diagnosis • Management • Investigations 	
4	18/07/2017	Vertigo , Dizziness, Giddiness	<ul style="list-style-type: none"> • Definitions • Causes • History, examination. • BPPV, acute prolonged vertigo • Treatment 	
5	25/07/2017	Approach to Headache	<ul style="list-style-type: none"> • General principles • Anatomy and physiology of headache • Clinical evaluation • Types • Causes • Management 	

6	01/08/2017	Approach to Diarrhoea	<ul style="list-style-type: none"> • Definition • Acute diarrhea-causes, pathological organisms, investigations, management • Chronic diarrhea-causes, pathological organisms, investigations, management • Clinical evaluation • Management 	
7	08/08/2017	Approach to chest pain	<ul style="list-style-type: none"> • Clinical evaluation • Causes (cardiac, respiratory, gastrointestinal, musculoskeletal etc) • Investigations • Management 	
8	22/08/2017	Disaster management - (L-I)	<ul style="list-style-type: none"> • Types (natural, environmental, complex, pandemic) • Disaster prevention • Disaster preparedness 	
9	29/08/2017	Disaster management -(L -II)	<ul style="list-style-type: none"> • Disaster relief. • Disaster recovery. • Use of resources • Triage 	
11	12/09/2017	Revision	<ul style="list-style-type: none"> • Revision 	
12	19/09/2017	Revision of Important Topics	<ul style="list-style-type: none"> • Revision 	

Sr. No.	Date	Topic Seminar	Lesson Plan	Name of teacher
Semester: 9th				
1	27/06/2017	Hypertension	<ul style="list-style-type: none"> • Definition , • JNC classification, • causes • secondary causes • investigation • Management 	Dr. Mrs. V. S. Gokhale
2	04/07/2017	Acute coronary syndromes	<ul style="list-style-type: none"> • Clinical features • Investigations • Management 	
3	11/07/2017	Respiratory Failure	<ul style="list-style-type: none"> • Definition • Types of respiratory failure • Causes of respiratory failure • Management 	
4	18/07/2017	CCF	<ul style="list-style-type: none"> • Definition of CCF • Type of failure • Clinical features • Management of CCF 	
5	25/07/2017	Diabetes Mellitus - I	<ul style="list-style-type: none"> • Etiology • Genetic inheritance • Management of type I DM Diabetic keto acidosis 	
6	01/08/2017	Diabetes Mellitus - II	<ul style="list-style-type: none"> • Insulin resistance, syndrome x • OHA/ insulin • Complications 	
7	08/08/2017	Valvular Heart Disease	<ul style="list-style-type: none"> • Etiology of valvular heart disease • Clinical features • Investigations Complications 	

8	22/08/2017	Malaria & Kalazar & Leptospirosis	<ul style="list-style-type: none"> • Life cycle of malaria parasite & leishmaniasis • Clinical features of vivax, falcifarum malaria, kalazar • Complication of falciparaum malaria, &kalazar • Management of malaria &kalazar <ul style="list-style-type: none"> • Causative agents • Epidemiology • Pathogenesis • Clinical features • Complications • Investigations Management 	Dr. S. K. Sharma
9	29/08/2017	HIV	<ul style="list-style-type: none"> • Biology of HIV virus, Prevalance of HIV, acute HIV syndrome • Early & late magnification of HIV disease • Diagnosis of HIV & follow up 	
10	12/09/2017	Extra pulmonary tuberculosis & PUO	<ul style="list-style-type: none"> • Clinical presentations • Investigations • Management • Definition • Classification • Cause of PUO Investigation 	
11	19/09/2017	Dengue, Chikungunya	<ul style="list-style-type: none"> • Causative agents • Epidemiology • Pathogenesis • Clinical features • Complications • Investigations • Management 	
12	26/09/2017	Revision	<ul style="list-style-type: none"> • Revision 	
13	03/10/2017	Revision	<ul style="list-style-type: none"> • Revision 	

Sr. No.	Date	Topic Lecture	Lesson Plan	Name of teacher
Semester: 9th				
1	24/06/2017	Geriatrics Medicine-(L-1)	<ul style="list-style-type: none"> • Introduction to Geriatric Medicine • Changing population structure • Changes in body due to aging • Assessment of Geriatric patient 	Dr. (Mrs.) S. A. Kanitkar
2	01/07/2017	Geriatrics Medicine-(L-2)	<ul style="list-style-type: none"> • Uncommon presentation of illness in geriatric age • Common Geriatric disorders • Causes of falls in elderly • Dementia, delirium, osteoporosis, osteomalacia • Incontinence of urine in elderly 	
3	08/07/2017	Palliative Care	<ul style="list-style-type: none"> • Concept of palliative care • Psychological aspects of terminally ill • Pain treatment • Management of chronic symptoms • Pressure sores • Physiotherapy 	
4	15/07/2017	Medical and Social problems related to alcohol	<ul style="list-style-type: none"> • Alcohol; signs & symptoms, medical problems , social problems • Management 	

5	22/07/2017	Sudden death, issues in organ transplant	<ul style="list-style-type: none"> • Sudden death; causes cardiac/noncardiac, use of defibrillators • Organ transplant; bioethical issues, types of transplant 	Dr. Madhulika Mahashabde
6	29/07/2017	Ethics in Medicine	<ul style="list-style-type: none"> • Consent • Medical negligence • Medical-consumer protection act • Ethics in medicine; definition, values in ethics, consent, confidentiality, medical research 	
7	05/08/2017	Medico legal aspects, Consumer Protection Act, Medical Insurance	<ul style="list-style-type: none"> • consumer protection act, medical insurance 	
8	12/08/2017	Medical documentation, Death certificate & other certifications	<ul style="list-style-type: none"> • Doctors records. Electronic database • Death certificate; nature & medical importance 	
9	19/08/2017	Jaundice	<ul style="list-style-type: none"> • Types of jaundice • Bilirubin metabolism • Investigations in a case of jaundice 	
10	26/08/2017	Portal hypertension	<ul style="list-style-type: none"> • Definition • Causes & classification • Clinical features • Management 	

11	09/09/2017	Upper GI Bleed	<ul style="list-style-type: none"> • Etiology, approach to diagnosis • General management • Management with special reference to peptic ulcer & variceal bleed 	
12	16/09/2017	Bio-Safety Measures & PEP	<ul style="list-style-type: none"> • Importance of biosafety precautions • Methods • Post exposure prophylaxis 	
13	23/09/2017	Bioterrorism	<ul style="list-style-type: none"> • Importance of bioterrorism • Methods 	

Sr. No.	Date	Topic Lecture (LCD)	Lesson Plan	Name of teacher
Semester: 9th				
1	24/06/2017	Basic & Advance Life Support	<ul style="list-style-type: none"> BLS; emergency medical services , training in basic CPR & ABC of life support ALS; out of hospital/ in hospital; components ALS algorithms 	Dr. G. S. Shiddapur
2	01/07/2017	Mechanical Ventilation	<ul style="list-style-type: none"> Indication types / modes / monitoring Types of Ventilators Weaning from ventilator 	
3	08/07/2017	Fluid & Electrolyte Balance, ABG	<ul style="list-style-type: none"> Hyponatramia & hypernatramia Hypokalamia & hyperkalamia SIADH 	
4	15/07/2017	Dialysis & Renal transplant	<ul style="list-style-type: none"> Indications Methods Complications 	
5	22/07/2017	High Altitude medicine	<ul style="list-style-type: none"> Problems at high altitudes Management 	
6	29/07/2017	Approach to Dementia	<ul style="list-style-type: none"> Aetiology (vascular, degenerative, neoplastic, inflammatory, traumatic, toxic, inflammatory) Clinical features Investigations Management Alzheimers disease, lewy body dementia 	Dr. Anu Gaikwad
7	05/08/2017	Sudden death syndromes and Brain death	<ul style="list-style-type: none"> Causes cardiac/noncardiac Prevention , early detection 	
8	12/08/2017	Medical Diseases in pregnancy	<ul style="list-style-type: none"> Hypertension Diabetes mellitus in pregnancy Pre eclampsia Hyperthyroidism in pregnancy Deep vein thrombosis. 	

9	19/08/2017	Travel Medicine	<ul style="list-style-type: none"> • International travel and health • Disease information • Vaccines • Travel health risks • General precautions 	
10	26/08/2017	Adult immunization	<ul style="list-style-type: none"> • Pneumococcal vaccines • Influenza • Tetanus and others. • Recent advances and newer vaccines. 	
10	09/09/2017	Skin manifestation in systemic Diseases	<ul style="list-style-type: none"> • Various skin manifestations in infections and malignancies. • Skin problems in general medicine (vasculitis, tuberous sclerosis, neurofibromatosis etc) • Skin problems associated with (CVS,RS,CNS, Hepatic & GIT Diseases 	
11	16/09/2017	Paraneoplastic syndromes	<ul style="list-style-type: none"> • Peripheral; neuropathy • Encephalomyelitis • Cerebellar degeneration • Lambert eaton syndrome • Others 	
12	23/09/2017	Brain Death	<ul style="list-style-type: none"> • Criteria for brain death • Tests for confirming brain death • Clinical evaluation 	

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