

GENERAL MEDICINE

Content Of Dr. Murali Bharadwaz's E-Learning Material

General Medicine Mock Test			
Topic	Lecture	Duration	Size (MB)
Medicine Test520	Lec-01	0:39:29	135
	Lec-02	0:39:55	136
	Lec-03	0:40:09	137
	Lec-04	0:45:29	155
General Medicine Test 522	Lec-01	0:40:23	138
	Lec-02	0:40:03	137
	Lec-03	0:40:38	139
	Lec-04	0:40:10	137
	Lec-05	0:23:48	81.7

General Medicine Notes	
	No.of Pages
Cardiology	120
Haematology	21
Diabetes Mellitus	15
HIV Infection	10
Rheumatology	18
Respiratory	21
Nephrology	16
Endocrinology	30
Neurology	22
Fluid & Electrolyte	13

Subject Name	Lecture Number	Lecture Content	Lecture Duration	File Size
GENERAL MEDICINE Cardiology 01	Lec 01	<ul style="list-style-type: none"> ♦ Cardiology ♦ symptoms& Signs ♦ Chest Pain or Discomfort ♦ Ischemic pain ♦ Paroxysmal nocturnal dyspnea ♦ Palpitations,Dizziness,Syncope ♦ Cardiogenic Syncope 	0:39:26	134
	Lec 02	<ul style="list-style-type: none"> ♦ Functional Classification of Heart Disease ♦ Signs of Heart Disease ♦ Cyanosis ♦ central cyanosis ♦ Peripheral pulses&Venous Pulsations ♦ Pulsus paradoxus ♦ Pulsus alternans ♦ Jugular venous pulsations(JVP) ♦ Prominent a waves ♦ A prominent V wave ♦ a c-v wave ♦ Kussmaul's sign ♦ Pulmonary Examination ♦ Rale 	0:41:44	142
	Lec 03	<ul style="list-style-type: none"> ♦ Wheezing ♦ Heart Sounds & Murmurs ♦ first heart sound(s1) ♦ second heart sound, S2 or dup ♦ Splitting ♦ Third and fourth heart sounds ♦ clicks ♦ Innocent murmurs 	0:38:07	130
	Lec 04	<ul style="list-style-type: none"> ♦ Systolic murmurs ♦ ejection murmurs ♦ High-pitched diastolic murmurs ♦ Left ventricular hypertrophy(LVH) ♦ Sokolow + Lyon ♦ Cornell criteria ♦ Framingham criteria ♦ Rv5 or v6> 35mm ♦ Stress testing ♦ Noninvasive Diagnostic Imaging for Noncoronary Heart Disease ♦ Echocardiography 	0:40:52	139
	Lec 05	<ul style="list-style-type: none"> ♦ Colour Doppler ♦ Transesophageal echocardiography(TEE) with Doppler ultrasound ♦ cardiac multislice computed tomography(fast CT) ♦ Right heart catheterization ♦ Left heart catheterization 	0:38:53	133

Subject Name	Lecture Number	Lecture Content	Lecture Duration	File Size
GENERAL MEDICINE	Lec 06	<ul style="list-style-type: none"> ◆ Aortic Stenosis(AS) ◆ Pulmonary Stenosis ◆ What happens to Click on inspiration ◆ Coarctation of the Aorta 	0:40:16	137
	Lec 07	<ul style="list-style-type: none"> ◆ ASD 	0:41:27	141
	Lec 08	<ul style="list-style-type: none"> ◆ Atrial Septal Defect&Patent foramen Ovale ◆ Ventricular Septal Defect 	0:42:33	135
	Lec 09	<ul style="list-style-type: none"> ◆ Tetralogy of Fallot ◆ Patent Ductus Arteriosus 	0:46:24	145
	Lec10	<ul style="list-style-type: none"> ◆ Valvular Heart Disease ◆ Mtral Stenosis ◆ PARACHUTE MITRAL VALVE ◆ Opening Snap 	0:41:05	158
	Lec 11	<ul style="list-style-type: none"> ◆ Mitral Regurgitation(Mitral Insufficiency) 	0:43:36	140
	Lec 12	<ul style="list-style-type: none"> ◆ Aortic Stenosis 	0:41:48	149
	Lec13	<ul style="list-style-type: none"> ◆ Aortic Regurgitation(Chronic Regurgitation) ◆ Tricuspid Stenosis 	0:44:51	143
	Lec 14	<ul style="list-style-type: none"> ◆ Tricuspid Regurgitation ◆ Pulmonic regurgitation ◆ Choice anagement of Prosthetic valves & Percutaneous 	0:39:53	153
	Lec 15	<ul style="list-style-type: none"> ◆ Cornary Heart disease:Introduction ◆ Risk factors for Coronary Artery Disease ◆ Pathophysiology ◆ Primary & Secondary Prevention of Coronary Heart Disease ◆ TNT(Treating to new Targets)trail ◆ Heart Outcomes Prevention Evaluation(Hope)trial ◆ Angina Pectoris 	0:41:53	136
	Lec 16	<ul style="list-style-type: none"> ◆ Evaluation of Patients with Angina pectoris ◆ Electrocardiography ◆ exercise Electrocardiography ◆ Bruce Protocol ◆ Scintigraphic Assesment of Ischemia ◆ Radionuclide angiography ◆ Positron emission tomography ◆ Echocardiography ◆ Coronary Angiography ◆ Intravascular ultrasound(ivus) 	0:38:01	143
	Lec 17	<ul style="list-style-type: none"> ◆ Left Ventricular Angiography ◆ Coronary Vasospasm & Angina with Normal Coronary ◆ Prinzmetal's(variant)angina ◆ Revascularization ◆ Mechanical extracorporeal counterpulsation ◆ Revascularization Procedures for patients with Angina ◆ Coronary Artery Bypass Grafting(CABG) ◆ Acute Coronary Syndromes 	0:41:22	130

Subject Name	Lecture Number	Lecture Content	Lecture Duration	File Size
GENERAL MEDICINE	Lec 18	<ul style="list-style-type: none"> ♦ Beta-Blockers ♦ Calcium Channel Blockers ♦ Intra-aortic Ballon Counterpulsation ♦ Prognosis&Indications for Revascularization ♦ Acute Myocardial Infarction ♦ Location and extent of infarction ♦ Q wave MI ♦ Clinical Findings ♦ Laboratory Findings ♦ Troponins ♦ creatine Kinase(creatine phosphokinase) ♦ Myoglobin ♦ Electrocardiography ♦ Echocardiography ♦ Scintigraphic Studies ♦ Technetium-99m pyrophosphate scintigraphy ♦ Radionuclide angiography ♦ treatment Aspirin and Clopidogrel ♦ Thrombolytic Therapy ♦ Streptokinase 	0:40:27	141
	Lec 19	<ul style="list-style-type: none"> ♦ Reteplase ♦ Tenecteplase(TNK-t-PA) ♦ Selection of a thrombolytic agent ♦ Stenting, Nitrates ♦ Angiotensin-Converting Enzyme Inhibitors ♦ Aldosterone Antagonists ♦ Arrhythmias ♦ Sinus bradycardia ♦ Supraventricular tachyarrhythmias ♦ Amiodarone ♦ Ventricular arrhythmias ♦ Conduction disturbances ♦ Av block ♦ First-degree block ♦ Second-degree block ♦ Complete AV block, Mobitz type II AV block ♦ Temporary ventricular pacing ♦ Myocardial Dysfunction Acute left ventricular failure 	0:39:27	138
	Lec 20	<ul style="list-style-type: none"> ♦ Dobutamine ♦ Milrinone ♦ Hypotension and shock ♦ Pericardial tamponade ♦ Right Ventricular Infarction ♦ Myocardial rupture ♦ Pseudoaneurysm ♦ Left Ventricular Aneurysm ♦ Pericarditis ♦ Mural Thrombus ♦ Disturbances of Rate & Rhythm ♦ Mechanism of reentry ♦ Triggered activity ♦ pause-dependent triggered activity 	0:39:56	135

Subject Name	Lecture Number	Lecture Content	Lecture Duration	File Size
GENERAL MEDICINE	Lec 21	<ul style="list-style-type: none"> ♦ Antiarrhythmic Drugs ♦ Vaughan-Williams Classification of Antiarrhythmic Drugs ♦ Radiofrequency Ablation for Cardiac Arrhythmias ♦ Ablation of atrial fibrillation ♦ Sinus bradycardia ♦ Sinus tachycardia ♦ Atrial Premature Beats(Atrial Extrasystoles) ♦ Differentiation of Aberrantly Conducted Supraventricular ♦ Amiodarone 	0:41:50	128
	Lec 22	<ul style="list-style-type: none"> ♦ Paroxysmal Supraventricular Tachycardia ♦ Treatment Options for Supraventricular tachycardias ♦ Treatment of the Acute Attack ♦ Mechanical Measures ♦ Intravenous adenosine ♦ Intravenous verapamil ♦ Intravenous diltiazem ♦ Cardioversion ♦ Prevention of Attacks ♦ Accessory pathways ♦ Wolf-Parkinson-White syndrome ♦ Orthodromic tachycardia 	0:43:51	143
	Lec 23	<ul style="list-style-type: none"> ♦ Radiofrequency Ablation ♦ Atrial fibrillation ♦ Warfarin or Aspirin ♦ Newly Diagnosed Atrial Fibrillation ♦ Urgent cardioversion ♦ Digoxin ♦ Metoprolol & esmolol ♦ Amiodarone ♦ Paroxysmal & Refractory Atrial Fibrillation ♦ Recurrent Paroxysmal Atrial Fibrillation ♦ Atrial Flutter 	0:45:09	154
	Lec 24	<ul style="list-style-type: none"> ♦ Multifocal(Chaotic) Atrial Tachycardia ♦ Junction rhythm is often an escape rhythm ♦ Ventricular Prematures Beats(Ventricular extrasystoles) ♦ Ventricular Tachycardia ♦ Torsades de pointes ♦ Acute Ventricular Tachycardia ♦ Ventricular Fibrillation ♦ Accelerated Idioventricular rhythm ♦ Long QT Syndrome 	0:29:44	150
	Lec 25	<ul style="list-style-type: none"> ♦ Bradycardias&Conduction Disturbances: ♦ Introduction ♦ Sick Sinus Sundrome ♦ First-degree and Mobitz type I block ♦ Mobitz type II block is ♦ Av Dissociation ♦ Intraventricular Conduction Defects ♦ Bifascicular Block ♦ Trifascicular block is defined as ♦ How to recognize LBBB ♦ typical LBBB, Permanent pacing 	0:41:52	154

Subject Name	Lecture Number	Lecture Content	Lecture Duration	File Size
GENERAL MEDICINE	Lec 26	<ul style="list-style-type: none"> ◆ Congestive Heart Failure ◆ high-output heart failure ◆ diastolic dysfunction ◆ Treatment of Diastolic failure ◆ Inhibitors of the renin-Angiotensin-Aldosterone System ◆ Angiotensin II receptor blockers 	0:45:06	143
	Lec 27	<ul style="list-style-type: none"> ◆ Spironolactone ◆ Beta -blockers ◆ Digitalis Glycosides ◆ Vasodilators ◆ Nitrates ◆ Nesiritide ◆ Hydralazine ◆ Biventricular Pacing(Resynchronization) 	0:29:43	102
	Lec 28	<ul style="list-style-type: none"> ◆ Acute Pulmonary edema ◆ Acute Myocarditis ◆ Infectious Myocarditis ◆ Classification of the cardiomyopathies ◆ Primary Dilated Cardiomyopathy ◆ Hypertrophic Cardiomyopathy 	0:40:21	138
	Lec 29	<ul style="list-style-type: none"> ◆ Restrictive Cardiomyopathy ◆ Acute rheumatic fever(RF)& Rheumatic Heart ◆ Criteria for Diagnosis of Rheumatic Fever ◆ carditis ◆ Erythema Marginatum and Subcutaneous nodules ◆ Sydenham's chorea ◆ Arthritis ◆ Diseases of the Pericardium ◆ Viral Pericarditis ◆ Uremic Pericarditis ◆ Neoplastic Pericarditis ◆ Postmyocardial Infarction or postcardiotomy ◆ Pericarditis(Dressler's Syndrome) ◆ Radiation Pericarditis ◆ Pericardial Effusion ◆ Constrictive Pericarditis ◆ Pulmonary Heart disease(Cor pulmonale) ◆ Electrocardiography ◆ Neoplastic Diseases of the Heart 	0:40:25	138
	Lec 30	<ul style="list-style-type: none"> ◆ Neoplastic Diseases of the Heart ◆ Cardiac Involvement in miscellaneous Systemic diseases ◆ Traumatic Heart Disease ◆ Systemic Hypertension ◆ Primary(Essential)Hypertension: ◆ Classification of Blood Pressure Measurements ◆ Malignant Hypertension ◆ Renal Vascular Hypertension ◆ Primary Hyperaldosteronism&Cushing's Syndrome, Current ◆ Antihypertensive Agents ◆ Risk Stratification and Treatment 	0:39:30	135

Subject Name	Lecture Number	Lecture Content	Lecture Duration	File Size
GENERAL MEDICINE	Lec31	<ul style="list-style-type: none"> ♦ Beta-Adrenergic Blocking Agents ♦ Angiotensin-Converting Enzyme(ACE) Inhibitors and Angiotensin II Blockers ♦ Angiotensin II Receptor Blocking Agents ♦ Calcium Channel Blocking Agents ♦ Alpha-Adrenoceptor Antagonists ♦ Drug with Central sympatholytic Action ♦ Arteriolar Dilators ♦ Choice of an Initial ♦ Antihypertensive Agent ♦ Alpha-Blockers ♦ Central Sympatholytics ♦ Considerations for individualizing antihypertensive drug therapy ♦ Treatment of Additional Cardiovascular Risk factors ♦ Hypertensive Urgency ♦ Hypertensive Emergency ♦ Pharmacologic Management 	0:44:22	151
Haematopathology	Lec 01	<ul style="list-style-type: none"> ♦ Anemias, Microcytic Anemia ♦ Iron Deficiency Anemia ♦ Classification of Anemia by Pathophysiology ♦ Classification of Anemia by MCV ♦ Causes of Iron Deficiency ♦ Anemia of Chronic Disease ♦ Thalassemias 	0:41:16	136
	Lec 02	<ul style="list-style-type: none"> ♦ Alpha thalassemia trait ♦ Hemoglobin H disease ♦ Beta thalassemia minor ♦ Beta thalassemia major ♦ Sideroblastic Anemia ♦ Vitamin B12 deficiency ♦ Causes of Vitamin B12 deficiency 	0:39:05	130
	Lec 03	<ul style="list-style-type: none"> ♦ Folic Acid Deficiency ♦ Pure Red Cell Aplasia ♦ Hemolytic Anemias ♦ Hereditary Spherocytosis ♦ Proxysmal Nocturnal Hemoglobinuria 	0:41:00	137
	Lec 04	<ul style="list-style-type: none"> ♦ G-6-P D deficiency ♦ Sickle Anemia ♦ Hemoglobin C disorders ♦ Autoimmune Hemolytic Anemia ♦ Coombs antiglobulin test ♦ Cold Agglutinin disease 	0:41:17	144
	Lec 05	<ul style="list-style-type: none"> ♦ Microangiopathic Hemolytic Anemias ♦ Aplastic Anemia ♦ Isolated neutropenia ♦ Primary polycythemia(Polycythemia vera) ♦ Myeloproliferative disorders 	0:40:53	141
	Lec 06	<ul style="list-style-type: none"> ♦ Myelofibrosis, Myelodysplastic Syndromes ♦ Chronic Myelogenous Leukemia ♦ Early Chronic Myelogenous Leukemia 	0:40:54	138

Subject Name	Lecture Number	Lecture Content	Lecture Duration	File Size
GENERAL MEDICINE	Lec 07	<ul style="list-style-type: none"> ♦ Chronic Lymphocytic Leukemia ♦ Lymphomas ♦ Non-Hodgkin's lymphomas ♦ Hodgkin's Disease ♦ Multiple Myeloma 	0:41:17	138
	Lec 08	<ul style="list-style-type: none"> ♦ Waldenstrom's Macroglobulinemia ♦ Idiopathic(Autoimmune) Thrombocytopenic Purpura ♦ causes of Microangiopathic hemolytic Anemia 	0:41:48	139
	Lec 09	<ul style="list-style-type: none"> ♦ Hemolytic-uremic Syndrome ♦ Von Willebrand's Disease ♦ Von Willebrand's disease ♦ Coagulation Pathway ♦ Prolongation of PTT ♦ Prolongation of PT and PTT ♦ Prolongation Thrombin Time ♦ Von Willebrand Disease ♦ mann's Thrombasthenia ♦ Bernard-Soulier Syndrome 	0:41:13	110
	Lec 10	<ul style="list-style-type: none"> ♦ Hemophilia A ♦ Acquired Factor VIII Antibodies ♦ Hemophilia B ♦ Afibrinogenemia ♦ Coagulopathy of Liver Disease ♦ Vitamin Deficiency ♦ Disseminated Intravascular Coagulation(DIC) 	0:32:57	92
	Lec 10 Part2	<ul style="list-style-type: none"> ♦ Causes of Hypercoagulability ♦ Warfarin-induced Skin Necrosis ♦ Lupus Anticoagulant 	0:08:14	40
	Lec 11	<ul style="list-style-type: none"> ♦ Red Blood Cell Transfusions ♦ Hemolytic Transfusion reactions ♦ Leukoagglutinin Reactions ♦ Platelet Transfusion ♦ Granulocyte Transfusions ♦ Transfusion of plasma Components 	0:42:28	145
	Diabetes	Lec 01	<ul style="list-style-type: none"> ♦ Diabetes mellitus ♦ Type 1 Diabetes Mellitus(IDDM) ♦ Maturity-onset diabetes of the young(Mody) ♦ Factors reducing response to insulin ♦ Obesity ♦ Clinical Features of Diabetes at diagnosis ♦ Type 1 Diabetes(IDDM) ♦ Type II Diabetes(NIDDM) ♦ Glycosylated hemoglobin(hemoglobin A1c) 	0:40:40

Subject Name	Lecture Number	Lecture Content	Lecture Duration	File Size
GENERAL MEDICINE	Lec 02	<ul style="list-style-type: none"> ♦ Lipoprotein abnormalities is diabetes ♦ Secondary Causes of Hyperglycemia ♦ Nondiabetic Glycosuria ♦ Revised ADA recommendations ♦ Oral durgs for treating hyperglycemia ♦ Sulfonylurea ♦ Repaglinide ♦ Tolbutamide ♦ Chlorpropamide ♦ Second-Generation Sulfonylureas ♦ Glyburide ♦ Glipizide ♦ Glimeperide ♦ Metformin 	0:40:23	138
	Lec 03	<ul style="list-style-type: none"> ♦ Alpha-glucosidase inhibitors ♦ Insulin sentizers(thiazolidineodiones) ♦ Troglitazone ♦ Purity of Insulin ♦ Insulin Lispro(Humalog) ♦ Short-acting insulin ♦ Intermediate-and Long-acting insulins ♦ Mixtures of insulin ♦ Insulin delivery systems ♦ Treatment of type 1 with insulin ♦ Early morning hyperglycemia in type 1 	0:40:13	138
	Lec 04	<ul style="list-style-type: none"> ♦ Somogi effect ♦ Dawn phenomenon ♦ Complications of Insulin Therapy ♦ Chronic Complications of Diabetes ♦ Diabetic cataracts ♦ Diabetic retinopathy ♦ Diabetic Nephropathy 	0:41:08	140
	Lec 05	<ul style="list-style-type: none"> ♦ Progressive Diabetic Nephropathy ♦ Peripheral Neuropathies ♦ Distal Symmetric Polyneuropathy ♦ Isolated Peripheral Neuropathy ♦ Painful diabetic Neuropathy ♦ Autonomic Neuropathy ♦ Diabetic Coma ♦ Diabetic Ketoacidosis is (DKA) ♦ Ketoacidemia ♦ Insulin replacement ♦ Fluid and electrolyte replacement 	0:40:30	138
	Lec 06	<ul style="list-style-type: none"> ♦ Potassium and phosphate Replacement ♦ Nonketotic Hyperglycemic ♦ Hyperosmolar Coma ♦ Latic Acidosis ♦ Hypoglycemia ♦ Whipple's triad ♦ Proinsulin determinations 	0:44:04	

Subject Name	Lecture Number	Lecture Content	Lecture Duration	File Size
GENERAL MEDICINE HIV	Lec 01	<ul style="list-style-type: none"> ♦ HIV Infection ♦ 1993 CDC definition ♦ 1987 definition ♦ 1993 definition also expanded ♦ AIDS related Complex(ARC) ♦ Definitive AIDS Diagnosis ♦ Relationship of CD4 to Opportunistic Infections ♦ Pneumocystis pneumonia ♦ CMV 	0:41:36	142
	Lec 02	<ul style="list-style-type: none"> ♦ Toxoplasmosis ♦ AIDS Dementia Complex ♦ Cryptococcal Meningitis ♦ HIV Myelopathy ♦ Myopathy in HIV ♦ Retinitis ♦ Oral lesions ♦ Oral Candididiasis ♦ Aphthous ulcers ♦ Enterocolitis ♦ HIV-related Malignancies ♦ Non-Hodgkin's Lymphoma ♦ Hodgkin's Disease 	0:40:45	139
	Lec 03	<ul style="list-style-type: none"> ♦ Preventing Perinatal ♦ Transmission of HIV ♦ Treatment of AIDS-related opportunistic infections and malignancies ♦ Corticosteroids ♦ Antiretroviral Treatment ♦ Nucleoside analogs ♦ Protease inhibitors ♦ Non nucleoside reverse transcriptase inhibitors(NNRTIs) ♦ Nucleoside analogs ♦ Zidovudine ♦ Didanosine ♦ Zalcitabine ♦ Stavudine ♦ Lamivudine ♦ Abacavir ♦ Protease inhibitors ♦ Indinavir ♦ Nelfinavir ♦ Ritonavir ♦ Saquinavir ♦ Nonnucleoside Reverse Transcriptase ♦ Inhibitors ♦ Efavirenz ♦ M.avium complex infection 	0:46:01	157
Rheumatology	Lec 01	<ul style="list-style-type: none"> ♦ Rheumatology ♦ Degenerative Joint Disease(Osteoarthritis) ♦ Crystal Deposition Arthritis Gouty Arthritis 	0:41:06	140

Subject Name	Lecture Number	Lecture Content	Lecture Duration	File Size
GENERAL MEDICINE	Lec 02	<ul style="list-style-type: none"> ◆ Gouty Arthritis-Treatment ◆ Colchicine ◆ Uricosuric drugs ◆ Allopurinol ◆ Gout in the Transplant Patient ◆ Chondrocalcinosis&Pseudogout ◆ Rheumatoid Arthritis ◆ Methotrexate ◆ Gold Salts(Chrysotherapy) ◆ Sulfasalazine, Azathioprine ◆ Juvenile Chronic Arthritis 	0:41:19	141
	Lec 03	<ul style="list-style-type: none"> ◆ Systemic Lupus Erythematosus ◆ Criteria for the Classification of SLE ◆ Frequency(%) of Autoantibodies in Rheumatic Diseases ◆ Frequency of Laboratory Abnormalities -SLE ◆ Progressive Systemic Sclerosis(Scleroderma) ◆ Limited Systemic Scleroderma (Crest Syndrome) ◆ Polymyositis-Dermatomyositis 	0:41:37	142
	Lec 04	<ul style="list-style-type: none"> ◆ Sjogren's Syndrome ◆ Vasculitis Syndromes ◆ Polyarteritis Nodosa ◆ Polymyalgia Rheumatica&Giant Cell Arteritis ◆ Wegeners Granulomatosis&ANCA-Associated Vasculitis 	0:41:06	140
	Lec 05	<ul style="list-style-type: none"> ◆ Cryoglobulinemia ◆ Henoch-Schonlein Purpura ◆ Behcet's Syndrome ◆ Seronegative Spondylo arthropathies ◆ Reiter's syndrome ◆ Ankylosing Spondylitis, Psoriatic Arthritis 	0:36:37	125
	Lec 06	<ul style="list-style-type: none"> ◆ Reiter's syndrome(Reactive Arthritis) ◆ Septic Arthritis ◆ Gonococcal Arthritis 	0:15:23	53
	Respiratory	Lec 01	<ul style="list-style-type: none"> ◆ Respiratory System ◆ Orthopnea ◆ Platypnea ◆ Cough ◆ Hemoptysis ◆ Tachypnea ◆ Digital Clubbing 	0:25:53
	Lec 02	<ul style="list-style-type: none"> ◆ Pulmonary Function tests ◆ Single-breath diffusing capacity for carbon monoxide(D_L^{CO}) ◆ Bronchoscopy & Flexible Bronchoscopy ◆ Bronchial Asthma ◆ Long Acting β_2-agonist ◆ Phosphodiesterase inhibitors ◆ Theophylline, Zileuton ◆ Zafirlukast and montelukast ◆ Beta-adrenergic agents ◆ Anticholinergics 	0:40:45	139

Subject Name	Lecture Number	Lecture Content	Lecture Duration	File Size
GENERAL MEDICINE	Lec 03	<ul style="list-style-type: none"> ♦ Chronic Obstructive Pulmonary Disease(COPD) ♦ TypeA:Pink puffer (emphysema Predominant) ♦ TypeB:Blue bloater(Brochitis Predominant) ♦ Pulmonary Function Tests ♦ Bronchiectasis ♦ Cystic Fibrosis 	0:41:04	142
	Lec 04	<ul style="list-style-type: none"> ♦ Pneumonia ♦ Streptococcus Pneumoniae ♦ Pseudomonas aeruginosa ♦ Mycoplasma Pneumonia ♦ Chlamydia pneumoniae ♦ Pulmonary Infiltrates in Compromised Host ♦ Pulmonary tuberculosis ♦ Classification of Positive Tuberculin Skin Test Reactions 	0:41:32	142
	Lec 05	<ul style="list-style-type: none"> ♦ Bronchogenic carcinoma ♦ Paraneoplastic Syndromes in Lung cancer ♦ Endocrine&Metabolic ♦ Adenocarcinoma and Large-cell carcinoma ♦ Bronchioloalveolar cell carcinoma ♦ Staging of Carcinoma, Treatment ♦ Contraindications to Surgery ♦ Unresectable Non-small-cell carcinoma ♦ Radiation therapy ♦ Solitary Pulmonary Nodule ♦ Benign ♦ Malignant Solitary Pulmonary Nodules ♦ Hamartoma ♦ Endobronchial metastases ♦ Mesothelioma ♦ Bronchial carcinoid Tumors ♦ Mediastinal Masses 	0:40:47	139
	Lec 06	<ul style="list-style-type: none"> ♦ Interstitial Lung diseases ♦ Idiopathic Pulmonary Fibrosis ♦ Sarcoidosis ♦ Wegener's granulomatosis ♦ Allergic angiitis and granulomatosis ♦ Churg-Strauss & Goodpasture's Syndromes ♦ Alveolar hemorrhage Syndromes ♦ Pulmonary Alveolar Proteinosis ♦ Pulmonary Thromboembolism ♦ Lung Scanning ♦ Duplex Ultrasonography ♦ Pulmonary Angiography ♦ CT and MRI scanning 	0:40:35	138
	Lec 07	<ul style="list-style-type: none"> ♦ Methods for the prevention of Venous thromboembolism ♦ Thrombolytic Therapy ♦ Pulmonary Hypertension ♦ Primary(idiopathic) pulmonary hypertension ♦ Work-up of a patient with Pulmonary Hypertension ♦ Coal Worker's Pneumoconiosis, Silicosis, Asbestosis 	0:41:18	139

Subject Name	Lecture Number	Lecture Content	Lecture Duration	File Size
GENERAL MEDICINE	Lec 08	<ul style="list-style-type: none"> ♦ Pleural Fluid ♦ Parapneumonic Pleural Effusion ♦ Spontaneous Pneumothorax ♦ Primary Alveolar Hypoventilation ♦ Obesity-Hypoventilation Syndrome(Pickwickian syndrome) ♦ Obstructive Sleep Apnea ♦ Indication for tracheal intubation 	0:34:07	116
Nephrology	Lec 01	<ul style="list-style-type: none"> ♦ NEPHROLOGY ♦ Kidney ♦ Urinary casts ♦ Significance of specific urinary casts ♦ Proteinuria ♦ Estimation of GFR ♦ Radionuclide Studies ♦ Intravenous Urography ♦ Magnetic Resonance Imaging(MRI) ♦ Renal Arteriography/Venography ♦ Renal biopsy ♦ Indications ♦ Acute Renal Failure ♦ Classification & Etiology ♦ Prerenal Azotemia 	0:41:00	140
	Lec 02	<ul style="list-style-type: none"> ♦ Postrenal Azotemia ♦ Acute tubular Necrosis ♦ Exogenous Nephrotoxinx ♦ Endogenous Nephrotoxins ♦ Interstitial Nephritis, Glomerulonephritis 	0:39:31	139
	Lec 03	<ul style="list-style-type: none"> ♦ Major causes of Chronic Renal Failure ♦ Glomerulopathies ♦ Antimicrobial Dosage in Renal Failure ♦ Acid-Base Disorders in Chronic Renal failure ♦ Indications for displays ♦ Hemodialysis ♦ Peritoneal dialysis ♦ Glomerulonephropathies ♦ Nephritic Syndrome ♦ Rapidly Progressive Acute Glomerulonephritis 	0:40:06	137
	Lec 04	<ul style="list-style-type: none"> ♦ IgA Nephropathy ♦ Rapidly Progressive Glomerulonephritis(RPGN) ♦ Henoch-Schonlein Purpura(Anaphylactoid Purpura) ♦ Pauci-immune glomerulonephritis(ANCA-associated) ♦ Anti-GBM Glomerulonephritis&Goodpasture's Syndrome ♦ Cryoglobulin-Associated Glomerulonephritis ♦ Nephrotic Syndrome, Renal biopsy ♦ Management of Nephrotic Syndrome ♦ Diseases demonstrating Nephritic&Nephrotic glomerular disease, Nephrotic syndromes ♦ Nephrotic syndromes ♦ Membranous Nephropathy ♦ Focal Segmental Glomerular Sclerosis 	0:40:29	138

Subject Name	Lecture Number	Lecture Content	Lecture Duration	File Size
GENERAL MEDICINE	Lec 05	<ul style="list-style-type: none"> ◆ Analgesic Nephropathy ◆ Heavy Metals ◆ Cystic Disease of the Kidney ◆ Autosomal Dominant Polycystic Kidney Disease ◆ Medullary Sponge kidney ◆ Juvenile Nephronophthisis-Medullary Cystic Disease 	0:31:46	108
Endocrinology	Lec 01	<ul style="list-style-type: none"> ◆ Endocrinology ◆ Obesity ◆ Abnormal Skin Pigmentation or Colour ◆ Causes of Gynecomastia ◆ Causes of Gynecomastia ◆ Hypopituitarism ◆ Metrapone test ◆ Diabetes Insipidus ◆ "Nephrogenic" Diabetes Insipidus 	0:54:44	187
	Lec 02	<ul style="list-style-type: none"> ◆ Acromegaly&Gigantism ◆ Hyperprolactinemia ◆ Factors Increasing T4 ◆ Factors Decreasing T4 ◆ TSH levels are decreased ◆ Free Thyroxine Immunoassay(FT4) ◆ Resin T3 (or T4) Uptake ◆ Free Thyroxine Index (FTI) ◆ Thyroid radioactive iodine uptake&Scan 	0:40:22	138
	Lec 03	<ul style="list-style-type: none"> ◆ Serum Thyroglobulin ◆ Calcitonin Assay ◆ Fine -Needle Thyroid Biopsy ◆ The Nodular Thyroid ◆ Clinical Evaluation of thyroid Nodules ◆ Treatment of Solitary Thyroid Nodule ◆ Longterm Levothyroxine Suppression treatment of TSH ◆ Thyroid Cancer ◆ Papillary Carcinoma ◆ Some Characteristic of thyroid cancer ◆ Follicular Carcinoma ◆ Medullary thyroid carcinoma ◆ Anaplastic thyroid carcinoma 	0:39:29	135
	Lec 04	<ul style="list-style-type: none"> ◆ Iodine Deficiency Disorders ◆ Hypothyroidism&Myxedema ◆ Hyperthyroidism(Thyrotoxicosis) ◆ Graves'Disease ◆ Subacute Thyroiditis ◆ Jodbasedow disease ◆ Thyrotoxicosis factitia ◆ Struma ovarii ◆ Hashimoto's thyroiditis 	0:40:09	137

Subject Name	Lecture Number	Lecture Content	Lecture Duration	File Size
GENERAL MEDICINE	Lec 05	<ul style="list-style-type: none"> ♦ Lab Δ of thyrotoxicosis ♦ Grave's Disease ♦ Propranolol ♦ Methimazole or propylthiouracil ♦ Iodinated contrast agents ♦ Radioactive iodine(131I) ♦ Thyroid surgery ♦ graves Disease or Toxic Nodular Goiter ♦ Toxic Solitary Thyroid Nodules ♦ Toxic Multinodular Goiter ♦ Subacute Thyroidities ♦ Thyroid crisis or "storm" ♦ Hyperthyroidism and pregnancy 	0:39:59	136
	Lec 06	<ul style="list-style-type: none"> ♦ Thyroiditis ♦ Subacute thyroiditis de Quervain's Giant cell thyroiditis ♦ Riedel's Thyroiditis ♦ Hypoparathyroidism ♦ Pseudohypoparathyroidism ♦ Pseudo-Pseudohypoparathyroidism ♦ Hyperparathyroidism 	0:39:50	136
	Lec 07	<ul style="list-style-type: none"> ♦ Hyperparathyroidism ♦ Hypercalcemia of malignancy ♦ Metabolic Bone Disease ♦ Osteoporosis ♦ Etiologic Classification of Osteoporosis 1,2 ♦ Bisphosphonates ♦ Osteomalacia 	0:40:31	138
	Lec 08	<ul style="list-style-type: none"> ♦ Causes of Osteomalacia ♦ Paget's Disease of Bone (Osteitis Deformans) ♦ Diseases of the Adrenal Cortex ♦ Adrenal Cortex Physiology ♦ Adrenal Androgens ♦ acute Adrenal Insufficiency(Adrenal Crisis) ♦ Chronic Adrenocortical Insufficiency ♦ (Addison's Disease) 	0:40:03	137
	Lec 09	<ul style="list-style-type: none"> ♦ CUSHING'S SYNDROME(Hypercortisolism) ♦ Tests for Hypercortisolism ♦ Hirsutism&Virilization ♦ Polycystic Ovary Syndrome ♦ Adrenal Enzyme Defects ♦ "Classic" 21-Hydroxylase deficiency ♦ 17α hydroxylase deficiency ♦ 11β-hydroxylase deficiency ♦ 21α-hydroxylase deficiency ♦ Primary Hyperaldosteronism 	0:38:24	131

Subject Name	Lecture Number	Lecture Content	Lecture Duration	File Size
GENERAL MEDICINE	Lec 10	<ul style="list-style-type: none"> ◆ Conns Syndrome ◆ Diseases of the Adrenal Medulla ◆ Pheochromocytoma ◆ Diseases of the Pancreatic Islet Cells ◆ Insulinomas ◆ Gastrinomas ◆ Glucagonomas ◆ Somatostatinomas ◆ VIP-omas ◆ Male Hypogonadism ◆ Causes of Male Hypogonadism ◆ Hypogonadotropic (Low or Normal LH) ◆ Causes of Male Hypogonadism ◆ Hypergonadotropic (High LH) ◆ Testicular Tumors in Adults ◆ Turner's Syndrome ◆ Multiple Endocrine Neoplasia ◆ MEN 2a (Sipple's Syndrome) ◆ MEN 2b ◆ Systemic versus Topical activity of Corticosteroids 	0:30:04	115
Neurology	Lec 01	<ul style="list-style-type: none"> ◆ Migraine ◆ Cluster Headache ◆ Giant Cell ◆ Trigeminal Neuralgia ◆ postherpetic Neuralgia ◆ Classification of Seizures ◆ Differential Diagnosis of Partial Seizures: 	0:41:03	140
	Lec 02	<ul style="list-style-type: none"> ◆ Treatment of Seizures ◆ Monitoring ◆ Side Effects and idiosyncratic reactions ◆ Phenytoin ◆ Side Effects and idiosyncratic reactions ◆ Carbamazepine ◆ Side Effects and idiosyncratic reactions ◆ Valproic Acid ◆ Clonazepam ◆ Solitary seizures ◆ Alcohol withdrawal seizures ◆ Tonic-clonic status epilepticus ◆ Status epilepticus is a medical emergency ◆ Weakness & Paralysis ◆ LMN lesions ◆ Transient Ischemic Attacks (TIA) ◆ Stroke ◆ Lacunar infarction ◆ Obstruction of carotid circulation ◆ Obstruction of vertebrobasillar circulation 	0:40:17	137

Subject Name	Lecture Number	Lecture Content	Lecture Duration	File Size
GENERAL MEDICINE	Lec 03	<ul style="list-style-type: none"> ♦ Coma ♦ Intracerebral Hemorrhage ♦ Subarachnoid Hemorrhage ♦ Arteriovenous Malformations ♦ Intracranial & Spinal Space-Occupying Lesions (SOL) Primary intracranial tumors ♦ Glioblastoma multiforme ♦ Astrocytoma ♦ Medulloblastoma ♦ Ependymoma ♦ Oligodendroglioma ♦ Brain stem glioma ♦ Cerebellar Hemangioblastoma ♦ Pinea Tumour ♦ Craniopharyngeoma ♦ Acoustic Neuroma ♦ Meningioma ♦ Primary Cerebral Lymphoma ♦ Frontal lobe lesions ♦ Temporal lobe lesions 	0:38:44	132
	Lec 04	<ul style="list-style-type: none"> ♦ Frontal lobe lesions ♦ Parietal lobe lesions ♦ occipital lobe lesions ♦ Brain stem lesions, Cerebellar lesions ♦ cerebral Metastases ♦ Leptomeningeal Metastases ♦ Intracranial Mass Lesions in AIDS ♦ Brain Abscess ♦ Nonmetastatic Neurologic Complications of Malignant Disease ♦ Pseudotumor cerebri ♦ Tuberos Sclerosis ♦ Neurofibromatosis ♦ Sturge-Weber Syndrome ♦ Parkinsonism 	0:40:00	136
	Lec 05	<ul style="list-style-type: none"> ♦ Treatment of Parkinsonism ♦ Amantadine ♦ Anticholinergic drugs ♦ Levodopa ♦ Dopamine agonists ♦ Selegiline ♦ Clozapine ♦ Huntington's disease ♦ Myoclonus ♦ Drug-induced Abnormal Movements ♦ Gilles de la Tourette's syndrome ♦ Dementia ♦ Multiple sclerosis ♦ Spasticity ♦ Myelopathies in AIDS ♦ Subacute Combined Degeneration of the Spinal Cord ♦ Wernicke's Encephalopathy 	0:40:18	138

Subject Name	Lecture Number	Lecture Content	Lecture Duration	File Size
GENERAL MEDICINE	Lec 06	<ul style="list-style-type: none"> ♦ Stupor & Coma ♦ Supratentorial mass lesion ♦ Brain Death ♦ Persistent Vegetative State ♦ Locked in-Syndrome (de-efferented state) ♦ Head Injuries ♦ Spinal Trauma ♦ Syringomyelia ♦ Motor Neuron Disease ♦ Progressive Bulbar Palsy ♦ Pseudobulbar Palsy ♦ Amyotrophic Lateral Sclerosis 	0:40:04	137
	Lec 07	<ul style="list-style-type: none"> ♦ Peripheral Neuropathies ♦ Friedreich's Ataxia ♦ Refsum's Disease (HMSN Type IV) ♦ Porphyria ♦ Neuropathies Associated with Systemic & Metabolic Disorders ♦ Alcohol and Nutritional Deficiency ♦ Neuropathies Associated with Infectious & Inflammatory ♦ Toxic Neuropathies ♦ Acute Idiopathic Post Infectious Polyneuropathy (Guillain-Barre Syndrome) ♦ Facial neuropathy ♦ Bell's palsy ♦ Disorders of Neuromuscular Transmission ♦ Myasthenia Gravis ♦ Myasthenic Syndrome (Lambert-Eaton Syndrome) ♦ Botulism ♦ Muscular Dystrophies ♦ Myopathic Disorders ♦ Duchenne Dystrophy ♦ Myotonic Dystrophy ♦ Myotonia Congenita ♦ Drug Induced Myopathies ♦ Periodic Paralysis ♦ Hypokalemic ♦ Hyperkalemic ♦ Normokalemic Periodic Paralysis 	0:49:11	168
Fluid & Electrolyte Disorders	Lec 01	<ul style="list-style-type: none"> ♦ Osmolality ♦ Isotonic Hyponatremia ♦ Hypotonic Hyponatremia ♦ Euvolemic Hypotonic Hyponatremia ♦ Syndrome of Inappropriate ADH ♦ Secretion (SIADH) ♦ Causes of Syndrome of Inappropriate ♦ Secretion of ADH (SIADH) ♦ Postoperative Hyponatremia 	0:40:14	137

Subject Name	Lecture Number	Lecture Content	Lecture Duration	File Size
General Medicine	Lec 02	<ul style="list-style-type: none"> ♦ Hyponatremia ♦ Rate and Degree of Correction ♦ Asymptomatic hyponatremia ♦ Hypervolemic Hypertonic Hyponatremia ♦ Hyponatremia in AIDS ♦ Hyponatremia ♦ Choice of Type of Fluid for Replacement ♦ Chronic Hyponatremia ♦ ECG Changes in Hyperkalemia ♦ ECG Changes in Hypocalcemia ♦ ECG Changes in Hypomagnesemia ♦ ECG Changes in Hypermagnesemia ♦ Causes of Hypokalemia 	0:39:52	136
	Lec 03	<ul style="list-style-type: none"> ♦ Channelopathies ♦ Hyperkalemia ♦ Causes of Hyperkalemia ♦ Treatment ♦ Disorders of Calcium Concentration ♦ Causes of Hypocalcemia ♦ Causes of Hypercalcemia ♦ Disorders of Phosphorus Concentration ♦ Causes of Hypophosphatemia ♦ Causes of Hypophosphatemia ♦ Causes of Hyperphosphatemia ♦ Disorders of Magnesium Concentration ♦ Hypomagnesemia ♦ Causes of Hypomagnesemia ♦ Hypermagnesemia 	0:47:54	164
	Lec 04	<ul style="list-style-type: none"> ♦ Acidosis & Alkalosis ♦ Types of Acid-Based Disorders ♦ Mixed Acid-Base Disorders ♦ Respiratory Acidosis ♦ Respiratory Alkalosis 	0:31:14	107
	Lec 05	<ul style="list-style-type: none"> ♦ Metabolic Acidosis ♦ Decreased Anion Gap ♦ Normal Anion Gap Acidosis ♦ Increased Anion Gap Acidosis ♦ Lactic Acidosis ♦ Diabetic ketoacidosis ♦ Alcoholic Ketoacidosis ♦ Normal Anion Gap Acidosis 	0:40:44	139
	Lec 06	<ul style="list-style-type: none"> ♦ Distal RTA ♦ Proximal RTA ♦ Hypokalemia ♦ Hyporeninemic Hypoaldosteronemic ♦ Metabolic Alkalosis ♦ Saline -Responsive Metabolic Alkalosis ♦ Saline Unresponsive (UCI>10 meq/d) 	0:37:34	128