

## 2. Dr. K S Prakash Rao

| SL.NO | MONTH    | DATE   | TOPICS   | CLASS     |
|-------|----------|--|--|-----------|
| 1     | NOVEMBER | 16-11-23   | Hypertensive Emergencies   | Lecture   |
| 2     | DECEMBER | 04-12-23   | IM1.4.Stage heart failure IM1.5.Describe ,discuss and differentiate the processes involved in R VsLheart failure, systolic vs diastolic failure  | SGD       |
| 3     |          | 05-12-23   | ECG, X-ray chest with reference to common cardiovascular Diseases.   | Lecture   |
| 4     | JANUARY  | 06-01-24   | Catheter insertion   | Skill Lab |
| 5     |          | 23-01-24   | Basics of History Taking   | Clinical  |
| 6     | FEBRUARY | 14-02-24   | Respiratory Case- Discussion   | Clinical  |
| 7     |          | 23-02-24   | Case of Cardiovascular   | Clinical  |
| 8     |          | 24-02-24   | Intra Venous (IV) injection  | Skill Lab |
| 9     | MARCH    | 01-03-24   | CT2.1 Define and classify obstructive airway disease.  | Lecture   |
|       |          |  | CT2.2 Describe and discuss the epidemiology, risk factors and evolution of obstructive airway disease.   |           |
|       |          |  | CT2.5 Describe and discuss the genetics of alpha 1 antitrypsin deficiency in emphysema   |           |
|       |          |  | CT2.16 Discuss and describe therapies for OAD including bronchodilators, leukotriene inhibitors, mast cell stabilisers, theophylline, inhaled and systemic steroids, oxygen and immunotherapy. |           |
| 10    |          | 06-03-24   | Case Discussion Per Abdomen  | Clinical  |
| 11    |          | 07-03-24   | IM15.1 Enumerate, describe and discuss the aetiology of upper and lower GI bleeding  | Lecture   |
|       |          |  | IM15.2 Enumerate, describe and discuss the evaluation and steps involved in stabilizing a patient who presents with acute volume loss and GI bleed.  |           |
|       |          |  | IM15.3 Describe and discuss the physiologic effects of acute blood and volume loss.  |           |
|       |          |  | IM15.6 Distinguish between upper and lower gastrointestinal bleeding based on the clinical features  |           |
|       |          |  | IM15.10 Enumerate the indications for endoscopy, colonoscopy and other imaging procedures in the investigation of Upper GI bleeding.   |           |
|       |          |  | IM15.11 Develop, document and present a treatment plan that includes fluid resuscitation, blood and blood component transfusion, and specific therapy for arresting blood loss.                |           |
|       |          | IM15.12 Enumerate the indications for whole blood, component and platelet transfusion and describe the clinical features and management of a mismatched transfusion. |  |           |

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|    |          |          | <b>IM15.14</b> Describe and enumerate the indications, pharmacology and side effects of pharmacotherapy of pressors used in the treatment of Upper GI bleed. |  |          |
| 12 |          | 14-03-24 | Case Presentation CVS Case of Right heart failure  | Clinical   |          |
| 13 |          | 16-03-24 | (IM.13.5) Describe the Common issues Encountered in patients at the end of life and principles of management.  | Lecture  |          |
|    |          |          | (IM.13.18) Describe and Discuss the Ethical and the Medico legal Issues Involved in end of life care.  |  |          |
|    |          |          | (IM.13.18) Describe the therapies used in Alleviating Suffering in Patients at the end of life.  |  |          |
| 14 |          | 18-03-24 | IM1.24. Describe and discuss the pharmacology of drugs including   | SGD  |          |
|    |          |          | including diuretics, ACE inhibitors, Beta blockers, aldosterone  |  |          |
|    |          |          | antagonists and cardiac glycosides   |  |          |
| 15 |          | 25-03-24 | Approach to Edema  | Clinical   |          |
| 16 | APRIL    | 02-04-24 | Approach To Cardiovascular System  | Clinical   |          |
| 17 |          | 05-04-24 | Hepotobilliary System, Case Of CLD   | Clinical   |          |
| 18 |          | 05-04-24 | Chronic Liver Disease -Case discussion   | Clinical   |          |
| 19 |          | 18-04-24 | IM5.4 Describe and discuss the epidemiology, microbiology, immunology and clinical evolution and treatmet of infective (viral) hepatitis.                    | Lecture  |          |
| 20 |          | 18-04-24 | Basic Of History Taking, Case of Chest Pain  | Clinical   |          |
| 21 |          | 18-04-24 | Abdomen Case Presentation  | Clinical   |          |
| 22 |          | 18-04-24 | Complications of Atrial Fibrillation.  | SDL  |          |
| 23 |          | 19-04-24 | IM5.13. Enumerate the indications for ultrasound and other imaging studies   | SGD  |          |
|    |          |          |  | including MRCP and ERCP and describe the findings in liver |          |
|    |          |          |  | disease  |          |
| 24 |          | 25-04-24 | Tournique application  | Skill Lab  |          |
| 25 |          | 29-04-24 | IM2.1. Discuss and describe the epidemiology, antecedents and risk   | SGD  |          |
|    |          |          |  | factors for atherosclerosis and ischemic heart disease     |          |
| 26 |          | MAY      | 02-05-24   | CNS Examination, Case of stroke                            | Clinical |
| 27 | 02-05-24 |          | Features of Anaemia  | Clinical   |          |
| 28 | 04-05-24 |          | Lumbar puncture  | Skill Lab  |          |
| 29 | 17-05-24 |          | Cardio Respiratory Case Discussion   | Clinical   |          |
| 30 | 17-05-24 |          | IM4.6. Discuss and describe the pathophysiology and manifestations of  | SGD  |          |
|    |          |          |  | Malaria  |          |

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| 31 |      | 18-05-24            | Endotracheal Tube Intubation  | Skill Lab |
| 32 |      | 20-05-24            | IM6.2. Define and classify HIV AIDS based on the CDC criteria   | SGD       |
| 33 |      | 22-05-24            | Rheumatoid Arthritis  | Clinical  |
| 34 |      | 23-05-24            | 1:02 pm, 23/03/2024] Multiple endocrine neoplasia.  | SDL       |
| 35 |      | 24-05-24            | IM3.17 Describe and discuss the supportive therapy in patients with pneumonia including oxygen use and indications for ventilation                              | Lecture   |
| 36 |      | 24-05-24            | Case discussion Dengue Fever  | Clinical  |
| 37 |      | 25-05-24            | ET Tube Intubation  | Skill Lab |
| 38 |      | 30-05-24            | IM5.18 Enumerate the indications for hepatic transplantation (SGD Horizontal Integration – Surgery.   | Lecture   |
| 39 | JUNE | 07-06-24            | CNS Case Discussion   | Clinical  |
|    |      |                     | Stroke, Rifles, Power, Tone   |           |
| 40 |      | 07-06-24            | IM5.16. Describe and discuss the management of hepatitis, cirrhosis, portal hypertension, ascites spontaneous, bacterial peritonitis and hepatic encephalopathy | SGD       |
|    |      |                     |   |           |
| 41 |      | 11-06-24            | Respiratory Examination-COPD  | Clinical  |
|    |      |                     | Inspection, Percussion, Palpation   |           |
| 42 |      | 13-06-24            | Anti-retroviral therapy   | SDL       |
| 43 |      | 14-06-24            | Respiratory System  | Clinical  |
|    |      |                     | Power, Auscultation , GPE, Palpation  |           |
| 44 |      | 28-06-24            | Motor Examination   | Clinical  |
| 45 | JULY | 03-07-24            | Hypercalcemia   | Lecture   |
|    |      |                     | IM22.1 Enumerate causes of hypercalcemia ; distinguish features of PTH vs non PTH mediated hypercalcemia.   |           |
|    |      |                     | IM22.2 Describe etiology, clinical features, diagnosis and approach to primary hyperparathyroidism.   |           |
|    |      |                     | IM22.3 Describe the approach to the management of hypercalcemia.  |           |
| 46 |      | 08-07-24            | Respiratory   | Clinical  |
|    |      |                     | Case Discussion on RS   |           |
|    |      |                     | Abdominal Examination   |           |
|    |      |                     | ECG Lading  |           |
|    |      |                     | BP Measurement  |           |
| 47 |      | 19-07-24            | CLD Case Discussion   | Clinical  |
|    |      | Complication of CLD |   |           |

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| 48 |  | 22-07-24 | Case Presentation  | Clinical  |
|    |  |          | History Taking   |           |
|    |  |          | General Physical Examination   |           |
| 49 |  | 23-07-24 | Respiratory System Examination   | Clinical  |
| 50 |  | 26-07-24 | Respiratory System   | Clinical  |
|    |  |          | Examination of Respiratory System  |           |
| 51 |  | 26-07-24 | IM4.1.Describe and discuss the febrile response and the influence of host immune status, risk factors and comorbidities on the febrile response  | SGD       |
|    |  |          |  |           |
| 52 |  | 31-07-24 | IM22.7 Abnormalities of potassium metabolism Enumerate the causes , describe clinical features & lab and approach to diagnosis and management of hypokalemia.                              | Lecture   |
|    |  |          | IM22.8 Enumerate the causes , describe clinical features & lab and approach to diagnosis and management of Hyperkalemia.   |           |
| 53 |  | 07-08-24 | IM22.9 Enumerate the causes and describe the clinical and laboratory features of metabolic acidosis.   | Lecture   |
|    |  |          | IM22.10 Enumerate the causes of describe the clinical and laboratory features of metabolic alkalosis   |           |
| 54 |  | 12-08-24 | Palpitation  | Clinical  |
|    |  |          | Syncope  |           |
|    |  |          | Breathlessness   |           |
|    |  |          | Chest Pain   |           |
| 55 |  | 13-08-24 | M4.18 Enumerate the indications for use of imaging in the diagnosis of febrile syndromes.  | Lecture   |
|    |  |          | M25.8 Enumerate the indications for use of newer techniques in the diagnosis of infections. (zoonotic diseases e.g. Leptospirosis, Rabies and non-febrile infectious disease e.g. Tetanus) |           |
| 56 |  | 13-08-24 | Cortical and Subcortical   | Clinical  |
|    |  |          | Speech and Language  |           |
| 57 |  | 17-08-24 | IV, IM,ABG   | Skill lab |
| 58 |  | 19-08-24 | Pneumonia-Case Discussion  | Clinical  |
| 59 |  | 23-08-24 | IM6.16.Discuss and describe the principles of HAART, the classes of antiretrovirals used, adverse reactions and interactions   | SGD       |
|    |  |          |  |           |
| 60 |  | 31-08-24 | Ryles Tube   | Skill lab |

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| 61 | SEPTEMBER | 03-09-24                        | Split , Heart Sound  | Clinical                             |  |
|    |           |                                 | Wide Split   |                                      |  |
|    |           |                                 |  | Loud S <sub>1</sub> - S <sub>2</sub> |  |
| 62 |           | 04-09-24                        | IM8.6 Define, describe and discuss and recognise <b>hypertensive urgency and emergency</b>   | Lecture                              |  |
|    |           |                                 | IM8.8 Describe, discuss and identify target organ damage due to hypertension   |                                      |  |
|    |           |                                 | IM8.12 Describe the appropriate diagnostic work up based on the presumed aetiology   |                                      |  |
|    |           |                                 | M8.15 Recognise, prioritise and manage hypertensive emergencies  |                                      |  |
|    |           |                                 | IM8.20 Determine the need for specialist consultation  |                                      |  |
| 63 |           | 04-09-24                        | Seminar and CVS Examination  | Clinical                             |  |
|    |           |                                 | Respiratory Acidosis and Alkalosis   |                                      |  |
|    |           |                                 | Metabolic Acidosis and Alkalosis   |                                      |  |
|    |           |                                 | Inspection, Palpation,   |                                      |  |
|    |           |                                 | And Auscultation of CVS System   |                                      |  |
| 64 |           | 09-09-24                        | Case presentation on congestive cardio failure   | Clinical                             |  |
|    |           |                                 | History taking   |                                      |  |
|    |           |                                 | Discussion on JVP  |                                      |  |
|    |           |                                 | Examination  |                                      |  |
|    |           |                                 | Discussion of Apex beats   |                                      |  |
|    |           |                                 | Edema Definition, Pathophysiology  |                                      |  |
|    |           |                                 | Cases of Edema   |                                      |  |
|    |           |                                 | Types of Edema   |                                      |  |
| 65 |           | 13-09-24                        | IM6.5.Describe and discuss the pathogenesis, evolution and clinical features of common HIV related malignancies  | SGD                                  |  |
| 66 |           | 14-09-24                        | CPR Demonstration  | Skill lab                            |  |
| 67 |           | 17-09-24                        | IM21.4 Enumerate the commonly observed <b>drug overdose</b> in your area and describe their toxicology, clinical features, prognosis and approach to therapy | Lecture                              |  |
| 68 | 20-09-24  | General Physical Examination    | Clinical   |                                      |  |
|    |           | Clubbing, Cyanosis              |  |                                      |  |
|    |           | Lymphadenopathy and Edema       |  |                                      |  |
|    |           | Pallor, Icterus                 |  |                                      |  |
|    |           | Vitals                          |  |                                      |  |
| 69 | 24-09-24  | Malaria – Fever Case Discussion | Clinical   |                                      |  |
|    |           | Abdominal Examination           |  |                                      |  |
|    |           | Malaria Complication            |  |                                      |  |

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|    |  |          | Headache   |          |
| 70 |  | 26-09-24 | IM1.13 Valvular Heart disease-Determine Severity clinically  | SDL      |
| 71 |  | 27-09-24 | Chronic Liver Diseases   | Clinical |
|    |  |          | General Physical Examination   |          |
|    |  |          | Clinical Examination   |          |
|    |  |          | Examination of Abdomen   |          |
|    |  |          | Treatment  |          |
| 72 |  | 03-10-24 | Upper Respiratory tract infection  | Clinical |
|    |  |          | Etiology   |          |
|    |  |          | Pathogenesis   |          |
|    |  |          | Investigation  |          |
|    |  |          | Treatment  |          |
| 73 |  | 05-10-24 | IM11.5 Describe and discuss the pathogenesis and temporal evolution of microvascular and macrovascular complications of diabetes.  | Lecture  |
|    |  |          | IM11.18 Describe and discuss the pharmacology, indications, adverse reactions and interactions of drugs used in the prevention and treatment of target organ damage and complications of Type II Diabetes including neuropathy, nephropathy, retinopathy, hypertension, dyslipidemia and cardiovascular disease. |          |
| 74 |  | 17-10-24 | Cranial Nerve Examination  | Clinical |
|    |  |          | I to V Cranial Nerves  |          |
|    |  |          | VI TO VII Cranial Nerves   |          |
|    |  |          | VIII to X Cranial Nerves   |          |
|    |  |          | XI TO XII Cranial Nerves   |          |
| 75 |  | 17-10-24 | GM22.8 Describe and discuss the clinical features, prognosis and management of Methanol and Ethylene glycol poisoning  | SDL      |
| 76 |  | 18-10-24 | IM22.7 Abnormalities of potassium metabolism Enumerate the causes , describe clinical features & lab and approach to diagnosis and management of hypokalemia.  | Lecture  |
|    |  |          | IM22.8 Enumerate the causes , describe clinical features & lab and approach to diagnosis and management of Hyperkalemia.   |          |
| 77 |  | 22-10-24 | CNS Examination  | Clinical |
|    |  |          | Power, Tone  |          |
|    |  |          | Reflexes   |          |
| 78 |  | 23-10-24 | ECG Discussion   | Clinical |

|    |  |          |   |     |
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|    |  |          | Chest X-Ray   |     |
|    |  |          | Reflexes Examination  |     |
| 79 |  | 25-10-24 | IM1.25.Enumerate the indications for valvuloplasty, valvotomy, coronary revascularization and cardiac transplantation | SGD |
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16/11/2024

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