

**DEPARTMENT OF MEDICINE**

**LECTURE SCHEDULE**

**Revised BATCH 2019-20 & 2018-19 Re-Supple Batch December- 2023**

Date & Day	Time	Topic	Competency Number	Consultant
02/12/2023 Saturday	8-9 AM		<b>IM21.4</b> Enumerate the commonly observed drug overdose in your area and describe their toxicology, clinical features, prognosis and approach to therapy	Dr. Puneet Tripathi
04/12/2023 Monday	12-1 PM	Heart Failure	<b>IM1.1</b> Describe and discuss the epidemiology, pathogenesis clinical evolution and course of common causes of heart disease including: rheumatic/ valvular, ischemic, hypertrophic inflammatory <b>IM1.2</b> Describe and discuss the genetic basis of some forms of heart failure <b>IM1.4</b> Stage heart failure <b>IM1.5</b> Describe ,discuss and differentiate the processes involved in R Vs L heart failure, systolic vs diastolic failure	Dr. Virendra Kumar Yadav
05/12/2023 Tuesday	8-9 AM	Pneumonia	<b>IM3.1</b> Define, discuss, describe and distinguish community acquired pneumonia, nosocomial pneumonia and aspiration pneumonia <b>IM3.2</b> Discuss and describe the aetiologies of various kinds of pneumonia and their microbiology depending on the setting and immune status of the host	Dr. Manik Kumar Saxena
07/12/2023 Thursday	2-4 PM	Heart Failure	<b>IM1.10</b> Elicit document and present an appropriate history that will establish the diagnosis, cause and severity of heart failure including: presenting complaints, precipitating and exacerbating factors, risk factors exercise tolerance, changes in sleep patterns, features suggestive of infective endocarditis <b>IM1.11</b> Perform and demonstrate a systematic examination based on the history that will help establish the diagnosis and estimate its severity including: measurement of pulse, blood pressure and respiratory rate, jugular venous forms and pulses, peripheral pulses, conjunctiva and fundus, lung, cardiac examination including palpation and auscultation with identification of heart sounds and murmurs, abdominal distension and splenic palpation <b>IM1.13</b> Measure the blood pressure accurately, recognise and discuss alterations in blood pressure in valvular heart disease and other causes of heart failure and cardiac tamponade	Dr. Amitabh Porwal
09/12/2023 Saturday	8-9 AM		<b>IM21.6</b> Describe the medico legal aspects of suspected suicidal or homicidal poisoning and demonstrate the correct procedure to write a medico legal report on a suspected poisoning	Dr. Puneet Tripathi

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11/12/2023 Monday	12-1 PM	Heart Failure	<p><b>IM1.6</b> Describe and discuss the compensatory mechanisms involved in heart failure including cardiac remodelling and neurohormonal adaptations</p> <p><b>IM1.7</b> Enumerate, describe and discuss the factors that exacerbate heart dietary factors drugs etc.</p> <p><b>IM1.8</b> Describe and discuss the pathogenesis and development of common arrhythmias involved in heart failure particularly atrial fibrillation</p>	Dr. Virendra Kumar Yadav
12/12/2023 Tuesday	8-9 AM	Pneumonia	<p><b>IM3.3</b> Discuss and describe the pathogenesis, presentation, natural history and complications of pneumonia</p> <p><b>IM3.15</b> Describe and enumerate the indications for hospitalisation in patients with pneumonia</p> <p><b>IM3.16</b> Describe and enumerate the indications for isolation and barrier nursing in patients with pneumonia</p>	Dr. Manik Kumar Saxena
14/12/2023 Thursday	2-4 PM	IHD	<p><b>IM2.6</b> Elicit document and present an appropriate history that includes onset evolution, presentation risk factors, family history, comorbid conditions, complications, medication, history of atherosclerosis, IHD and coronary syndromes</p> <p><b>IM2.7</b> Perform, demonstrate and document a physical examination including a vascular and cardiac examination that is appropriate for the clinical presentation</p> <p><b>IM2.11</b> Order and interpret a Chest X-ray and markers of acute myocardial infarction</p> <p><b>IM2.12</b> Choose and interpret a lipid profile and identify the desirable lipid profile in the clinical context</p>	Dr. Samradni Dahe
16/12/2023 Saturday	8-9 AM	IHD	<p><b>IM2.1</b> Discuss and describe the epidemiology, antecedents and risk factors for atherosclerosis and ischemic heart disease</p> <p><b>IM2.2</b> Discuss the aetiology of risk factors both modifiable and non modifiable of atherosclerosis and IHD</p> <p><b>IM2.4</b> Discuss and describe the pathogenesis natural history, evolution and complications of atherosclerosis and IHD</p>	Dr. Puneet Tripathi
18/12/2023 Monday	12-1 PM	Heart Failure	<p><b>IM1.23</b> Describe, prescribe and communicate non pharmacologic management of heart failure including sodium restriction, physical activity and limitations .</p> <p><b>IM1.24</b> Describe and discuss the pharmacology of drugs including indications, contraindications in the management of heart failure including diuretics, ACE inhibitors, Beta blockers, aldosterone antagonists and cardiac glycosides</p>	Dr. Virendra Kumar Yadav

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19/12/2023 Tuesday	8-9 AM	Pneumonia	<p><b>IM3.12</b> Select, describe and prescribe based on the most likely aetiology, an appropriate empirical antimicrobial based on the pharmacology and antimicrobial spectrum</p> <p><b>IM3.13</b> Select, describe and prescribe based on culture and sensitivity appropriate empirical antimicrobial based on the pharmacology and antimicrobial spectrum.</p> <p><b>IM3.17</b> Describe and discuss the supportive therapy in patients with pneumonia including oxygen use and indications for ventilation</p> <p><b>IM3.19</b> Discuss, describe, enumerate the indications and communicate to patients on pneumococcal and influenza vaccines</p>	Dr. Manik Kumar Saxena
21/12/2023 Thursday	2-4 PM	Pneumonia	<p><b>IM3.4</b> Elicit document and present an appropriate history including the evolution, risk factors including immune status and occupational risk</p> <p><b>IM3.5</b> Perform, document and demonstrate a physical examination including general examination and appropriate examination of the lungs that establishes the diagnosis, complications and severity of disease</p> <p><b>IM3.6</b> Generate document and present a differential diagnosis based on the clinical features, and prioritise the diagnosis based on the presentation</p> <p><b>IM3.7</b> Order and interpret diagnostic tests based on the clinical presentation including: CBC, Chest X ray PA view, Mantoux, sputum gram stain, sputum culture and sensitivity, pleural fluid examination and culture, HIV testing and ABG</p>	Dr. Himanshu Patel
23/12/2023 Saturday	8-9 AM	ACS	<p><b>IM2.5</b> Define the various acute coronary syndromes and describe their evolution, natural history and outcomes</p> <p><b>IM2.9</b> Distinguish and differentiate between stable and unstable angina and AMI based on the clinical presentation</p>	Dr. Puneet Tripathi
26/12/2023 Tuesday	8-9 AM	Fever	<p><b>IM4.3</b> Discuss and describe the common causes, pathophysiology and manifestations of fever in various regions in India including bacterial, parasitic and viral causes (e.g. Dengue, Chikungunya, Typhus)</p>	Dr. Himanshu Patel
28/12/2023 Thursday	2-4 PM	Fever	<p><b>IM4.9</b> Elicit document and present a medical history that helps delineate the aetiology of fever that includes the evolution and pattern of fever, associated symptoms, immune status, comorbidities, risk factors, exposure through occupation, travel and environment and medication use</p> <p><b>IM4.10</b> Perform a systematic examination that establishes the diagnosis and severity of presentation that includes: general skin mucosal and lymph node examination, chest and abdominal examination (including examination of the liver and spleen)</p> <p><b>IM4.11</b> Generate a differential diagnosis and prioritise based on clinical features that help distinguish between infective, inflammatory, malignant and rheumatologic causes</p>	Dr. Amitabh Porwal

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30/12/2023 Saturday	8-9 AM	ACS	<p><b>IM3.13</b> Select, describe and prescribe based on culture and sensitivity appropriate empirical antimicrobial based on the pharmacology and antimicrobial spectrum.</p> <p><b>IM3.14</b> Perform and interpret a sputum gram stain and AFB</p> <p><b>IM3.15</b> Describe and enumerate the indications for hospitalisation in patients with pneumonia</p> <p><b>IM3.16</b> Describe and enumerate the indications for isolation and barrier nursing in patients with pneumonia</p>	Dr. Puneet Tripathi

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