Vydehi Institute Of Medical Sciences & Research Centre

#83, EPIP Area, Nallurahalli, Whitefield, Bangalore- 660076.

Undergraduate (MBBS) Teaching Schedule for the Month of November 2024, Department of Pathology, 2nd year: MBBS

DATE	DAY	THEORY CLASS	2.00 - 4.00 PM (PRACTICALS)
4.11.2024	Monday	**12.15-.15pm DrSunitha** **PA 4.2 - Enumerate and describe the mediators of acute inflammation** 4.2.1. Enumerate the chemical mediators of acute inflammation .4.2.2. Describe the role of important mediators of acute inflammation. 4.2.3. Enumerate the sequelae of acute inflammation. 4.2.4. Describe the clinical outcome of acute inflammation.	**Dr.Prathima, Dr.Devasmita, Dr.Varsha** **PA 4.4 - Identify and describe acute inflammation in gross and microscopic specimens.** **Slides: Acute appendicitis,Lobar pneumonia.** **Specimens: Acute appendicitis,Lobar pneumonia.** 4.4.5. Identify and describe the specimen of acute appendicitis and pneumonia. 4.4.6. Recognize microscopic features of acute inflammation
5.11.2024	Tuesday	**11.15-12.15pm Dr.Prathima** **PA 4.3 - Define and describe chronic inflammation including causes, types enumerate types,** **non-specific and granulomatous; and examples of each** 4.3.1. Define the chronic inflammation 4.3.2. Enumerate types of chronic inflammation 4.3.3. Describe the pathogenesis of granuloma formation. 4.3.4. Enumerate the examples of granulomatous diseases	**Dr.Shilpa, Dr.Sunitha, Dr.Sameena** **PA 4.4 - Identify and describe acute inflammation in gross and microscopic specimens.** **Slides: Acute appendicitis,Lobar pneumonia.** **Specimens: Acute appendicitis,Lobar pneumonia.** 4.4.5. Identify and describe the specimen of acute appendicitis and pneumonia. 4.4.6. Recognize microscopic features of acute inflammation

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		11.15-12.15pm Dr Kavya Cell injury 2 : Pathologic calcification, Amyloidosis: define, classify, pathology	
7.11.2024	Thursday	**11.15-12.15pm Dr Vishwas** RS3 batch Inflammation 1 : Definition, classification, vascular and cellular phenomenon, exudat and transudate	Dr.Radha,Dr.Vishwas, Dr.Sandhya, **PA 4.4 - Identify and describe chronic inflammation in gross and microscopic specimens** **Slides:Granulation tissue, TB lymph node** **Specimens:TB lymph node** 4.4.1. Identify the granulomas microscopically. 4.4.2. Identify epithelioid cell and giant cell microscopically. 4.4.3. Identify the different morphological features of chronic inflammation. 4.4.4. Recognize grossly the granulomatous inflammation of lymph node
8.11.2024	Friday	**12.15-1.15pm Dr.Prathima** **TOPIC: HEALING AND REPAIR (PA- 5)** **PA 5.1 - Define and describe the process of repair and regeneration including wound healing and its types** 5.1.1. Define and differentiate regeneration from repair. 5.1.2. Describe various steps in healing. 5.1.3. Differentiate primary healing from	Dr.Selvi, Dr.Kavya, Dr.Varsha **PA 4.4 - Identify and describe chronic inflammation in gross and microscopic specimens** **Slides:Granulation tissue, TB lymph node** **Specimens:TB lymph node** 4.4.1. Identify the granulomas microscopically. 4.4.2. Identify epithelioid cell and giant

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		secondary healing 5.1.4. Describe various steps involved in fracture healing. 5.1.5. The classification of tissues based on the proliferative capacity of cells. 5.1.6. Complications and factors affecting wound healing. 5.1.7. Complications and factors affecting healing of fracture. 5.1.8. Mechanism of repair by connective tissue deposition	cell microscopically. 4.4.3. Identify the different morphological features of chronic inflammation. 4.4.4. Recognize grossly the granulomatous inflammation of lymph node
11.11.2024	Monday	**12.15-1.15 pm Dr.Radha** **PA-6.4a - Define and describe normal haemostasis** 6.4a.1. Describe the role of endothelial cells, platelets and coagulation factors in maintaining hemostasis. 6.4a.2. Write the coagulation cascade **PA 6.1 - Define and describe edema, its types, pathogenesis and clinical correlations.** 6.1.1. Define edema and explain the fluid balance. 6.1.2. Mention the differences between transudate and exudate. 6.1.3. Enumerate the types of edema and describe their pathophysiology(Renal, Cardiac, pulmonary,	**DrShailaja Dr Sunitha Dr Sandhya DrSoumya** **PA 6.2 - Define and describe hyperemia, congestion, hemorrhage.** 6.2.1. Identify the difference between hyperemia, congestion and hemorrhage 6.2.3. Enumerate the consequences of congestion and haemorrhage. **Chart discussion:** Body fluids (pleural/ascitic), transudate vs exudate

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		cerebral, nutritional and hepatic), clinical features and consequences	
12.11.2024	Tuesday	**11.15-12.15 pm Dr.Radha** **PA 6.3 - Define and describe shock, its pathogenesis and its stages** 6.3.1. Define Shock and discuss the concept of adequate cardiac output and its importance 6.3.2. Enumerate the types and discuss the mechanisms of the various types of shock 6.3.3. Describe the various stages of shock with their clinical manifestations and morphological changes in various organs	
13.11.2024	Wednesday		**Dr Shailaja Dr Sunitha Dr Sandhya Dr Soumya** **PA 6.2 - Define and describe hyperemia, congestion, hemorrhage.** 6.2.1. Identify the difference between hyperemia, congestion and hemorrhage 6.2.3. Enumerate the consequences of congestion and haemorrhage. **Chart discussion:** Body fluids (pleural/ascitic), transudate vs exudate
14.11.2024	Thursday		**Dr. Radha Dr Kavya Dr Varsha Dr Athulya** 6.2.2. Enumerate the causes and identify the gross and microscopy of Chronic

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			venous congestion Lung, Liver and Spleen **Specimens**: Chronic venous congestion liver **Slides**: Chronic venous congestion spleen
15.11.2024	Friday	**12.15-1.15 pm Dr.Radha** **PA 6.4b - Describe the etiopathogenesis and consequences of thrombosis** 6.4b.1. Define thrombosis and explain Virchow's triad 6.4b.2. Enumerate hypercoagulable states. 6.4b.3. List the types of thrombus and its morphology 6.4b.4. List the differences between a postmortem and antemortem thrombus. 6.4b.5. Fate of thrombus and its clinical consequences 6.4b.6. Difference between arterial and venous thrombus. 6.4b.7. Contribution of alteration in blood flow to thrombosis.	Dr. Radha Dr Kavya Dr Varsha Dr Athulya 6.2.2. Enumerate the causes and identify the gross and microscopy of Chronic venous congestion Lung, Liver and Spleen **Specimens**: Chronic venous congestion liver **Slides**: Chronic venous congestion spleen
18.11.2024	Monday	**12.15- 1.15pm Dr.Kavya** **PA 6.5 - Define and describe embolism and its causes and common types.** 6.5.1. Define an embolism and enumerate the differences between a thrombus and an embolus.	

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		6.5.2. Enumerate the types of embolism and describe their etiopathogenesis with examples and clinical manifestations	
19.11.2024	Tuesday	**11.15-12.15pm Dr.Prathima** **TOPIC: NEOPLASTIC DISORDERS (PA-7)** **PA 7.1a - Define and classify neoplasia, biologic behavior and spread.** 7.1a.1. Define and classify neoplasia 7.1a.2. For both males and females, list in descending order: • the five most common cancers • the five most common causes of cancer death 7.1a.3. Define and differentiate with examples: Ectopia, Heterotopia, Hamartoma, Teratoma. 7.1a.4. Outline the classification and nomenclature for benign and malignant neoplasms using appropriate prefixes and suffixes and indicating specific exceptions to rules of nomenclature. 7.1a.5. Discuss the differences between benign and malignant neoplasms.	
20.11.2024	Wednesday		**PA 6.6 - Define and describe Ischaemia/infarction its types, etiology, morphologic changes and clinical**

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			effects. **PA 6.7 - Identify and describe the gross and microscopic features of infarction in a pathology specimen** 6.6.1. Define infarction and enumerate the different types of infarction. 6.6.2. Describe the etiopathogenesis of infarction 6.7.1. Identify the gross features of infarction in various organs 6.7.2. Identify the microscopic features of infarction in various organs **Slides:** Infarct kidney **Specimen** : Infarct lung
21.11.2024	Thursday		**PA 6.6 - Define and describe Ischaemia/infarction its types, etiology, morphologic changes and clinical effects.** **PA 6.7 - Identify and describe the gross and microscopic features of infarction in a pathology specimen** 6.6.1. Define infarction and enumerate the different types of infarction. 6.6.2. Describe the etiopathogenesis of infarction 6.7.1. Identify the gross features of infarction in various organs 6.7.2. Identify the microscopic features of

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			infarction in various organs **Slides:** Infarct kidney **Specimen** : Infarct lung
22.11.2024	Friday	**12.15-1.15pm Dr.Prathima** **PA 7.1a - Define and classify neoplasia, biologic behavior and spread.** 7.1a.6. Enumerate the routes of spread. Compare and contrast the route of spread of Carcinoma versus Sarcoma with exceptions. 7.1a.7. Define metastasis and discuss the mechanism of metastasis. 7.1a.8. Define staging and grading of tumours and its clinical significance. 7.1a.9. List the most common sites of origin of: adenoma, adenocarcinoma, squamous cell carcinoma, melanoma	
25.11.2024	Monday	**12.15- 1.15pm Dr.Prathima** **PA 7.2 - Describe the molecular basis of cancer.** 7.2.1. Describe the cell cycle. 7.2.2. Write a note on cell signalling pathways 7.2.3. Describe role of proto-oncogenes,	

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		oncogenes and onco-proteins in carcinogenesis 7.2.4. Describe the role of important tumour suppressor genes(Rb gene, p53, APC) in carcinogenesis . 7.2.5. Enumerate and discuss the steps of multistep carcinogenesis	
26.11.2024	Tuesday	**11.15-12.15pm Dr.Prathima** **PA 7.2 - Describe the molecular basis of cancer.** 7.2.1. Describe the cell cycle. 7.2.2. Write a note on cell signalling pathways 7.2.3. Describe role of proto-oncogenes, oncogenes and onco-proteins in carcinogenesis 7.2.4. Describe the role of important tumour suppressor genes(Rb gene, p53, APC) in carcinogenesis . 7.2.5. Enumerate and discuss the steps of multistep carcinogenesis	
27.11.2024	Wednesday		**Dr. Selvi, Dr. Divya, Dr.Sandhya, Dr.Sreekanth** **PA 7.1b - Describe the characteristics of neoplasia including gross, microscopy. Differentiate between benign from malignant neoplasm** 7.1b.1. Identify the gross and microscopic

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			features of benign neoplasms. Slides: lipoma, schwannoma, hemangioma Specimens : Lipoma
28.11.2024	Thursday		**Dr. Selvi, Dr. Divya, Dr.Sandhya, Dr.Sreekanth** **PA 7.1b - Describe the characteristics of neoplasia including gross, microscopy. Differentiate between benign from malignant neoplasm** 7.1b.1. Identify the gross and microscopic features of benign neoplasms. Slides: lipoma, schwannoma, hemangioma Specimens : Lipoma
29.11.2024	Friday	**12.15-1.15pm Dr.Prathima** **PA 7.3 - Enumerate carcinogens and describe the process of carcinogenesis** 7.3.1. Define and classify carcinogens. 7.3.2. Classify and enumerate chemical carcinogens 7.3.3. Describe the mechanism of chemical carcinogenesis 7.3.4. Discuss the mechanism of Radiation carcinogenesis (UV rays and Ionizing radiation) and name the associated cancers. 7.3.5. Classify microbial carcinogens and enumerate associated neoplasms. 7.3.6. Discuss the mechanism of microbial carcinogenesis.	

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		7.3.7. Elaborate the role of the following in the development of human cancer in relation to at least 2 specific neoplasms associated with each: • physical agents • chronic inflammatory conditions • hormones	

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