

DEPARTMENT OF PATHOLOGY

S #	TEACHING FACULTY		
01	DEAN BASIC MEDICAL SCIENCES: Professor Dr. Ikram Din Ujjan		
02	CHAIRPERSON AND PROFESSOR: Professor Dr. Farzana Memon		
03	PROFESSOR: Professor Abid Hussain Chang		
	ASSOCIATE PROFESSORS		
04	Dr. Tanveer Ahmed Shaikh	05	Dr. Abdul Aziz Shaikh
	ASSISTANT PROFESSORS		
07	Dr. Naila Shaikh	08	Dr. Suleman Pirzado
09	Dr. Arshi Naz	10	Dr. Zahida Shaikh
11	Dr. Muhammad Rahil Khan	12	Dr. Shariq Anwar Abid
	LECTURERS		
14	Dr. Khalid Yousaf Memon	15	Dr. Shabnam Rustamani
16	Dr. Faheem Ahmed Memon	17	Dr. Muhammad Ali Memon
18	Dr. Furqan Ahmed Bhatti	19	Dr. Abdul Rehman Khalil Shaikh
20	Dr. Amir Ramzan	21	Dr. Sadia Abbasi
22	Dr. Sadia Akbar	23	Dr. Sidra Kadir
24	Dr. Nazia Mumtaz	25	Dr. Sorath Sindhu Mangi
26	Dr. Rameez Iqbal Memon	27	Dr. Yasmeen Bhutto

SUBJECT: GENERAL PATHOLOGY

LEC. #	TOPICS
	<u>CELL INJURY, ADAPTATION & CELL DEATH</u>
	TEACHERS: DR. ABDUL AZIZ SHAIKH / DR. FURQAN AHMED BHATTI
	<ul style="list-style-type: none"> • Introduction, Causes, Definitions & Adaptation • Adaptation • Mechanisms of injury – I • Mechanisms of injury – II • Cell swelling. Fatty change • Cell Death: Necrosis • Cell Death: Apoptosis • Sub-cellular alterations & Intracellular accumulations • Pigmentation & calcification • Cellular aging
	<u>INFLAMMATION & REPAIR</u>
	TEACHERS: PROFESSOR FARZANA MEMON/ DR. MUHAMMAD. RAHIL KHAN/ DR. ABDUL REHMAN KHALIL SHAIKH
	<ul style="list-style-type: none"> • General features of Inflammation • Acute Inflammation: Vascular and cellular events • Chemotaxis, Phagocytosis & Mechanism of Exudate formation • Chemical Mediators of Inflammation-I&II • Outcome of inflammation +Chronic Inflammation • Chronic granulomatous inflammation • Repair, definitions, Types of cells • Cell cycle: Cyclins & CDK • Healing

HAEMODYNAMIC DISORDERS

TEACHERS: PROFESSOR IKRAM DIN UJJAN / DR. KIRAN AAMIR / DR. FAHEEM AHMED MEMON

- Edema
- Congestion & Hemorrhages
- Thrombosis, introduction & Pathogenesis
- Thrombosis, Morphology & Fate
- Embolism
- Infarction
- Shock – I
- Shock – II

DISEASES OF CHILD HOOD

TEACHERS: PROFESSOR FARZANA MEMON / DR. NAILA SHAIKH / DR. ARSHI NAZ

- Classification of Genetic Diseases
- Mutations & their mechanisms
- Chromosomal disorders
- Mendelian disorders
- Diagnosis of Genetic diseases
- Congenital anomalies, birth infections
- Neonatal Respiratory Distress Syndrome
- Fetal Hydrops
- Inborn errors of Metabolic disorders
- Tumors of infancy and childhood

IMMUNITY / IMMUNOPATHOLOGY

TEACHERS: PROFESSOR IKRAM DIN UJJAN / DR. KIRAN AAMIR / DR. FAHEEM AHMED MEMON

- Introduction & Innate Immunity
- Adaptive Immunity
- Cells of Immunity-I
- Cells of immunity-II
- Structure and Functions of IG
- MHC
- Hypersensitivity reactions-I
- Hypersensitivity reactions-II
- Grafts and Rejection
- Tolerance and Autoimmunity
- Tumor immunity
- Immunodeficiency

NEOPLASIA

TEACHER: DR. TANVEER AHMED SHAIKH / DR. KHALID YOUSAF MEMON

- Introduction & Nomenclature
- Characteristic of benign & Malignant tumor
- Spread of malignant tumor
- Epidemiology of cancer
- Molecular basis of cancer, Principles
- Molecular Basis of cancer-II.
- Etiology of cancer, Chemical carcinogenesis
- Etiology of cancer, radiation carcinogenesis
- Etiology of cancer, viral carcinogenesis
- Clinical features of Neoplasia
- Grading and staging of cancer
- Lab Diagnosis of Neoplasia