

Curriculum of pathology for the third stage

#	Chapter	Details	lecturer	hours
	Introduction			1 Hour
1-	Cell adaptation, injury & death	Causes of cell injury & cell death , mechanism of cell injury, types of cell injury :-reversible & irreversible/ pigmentations & calcification cellular adaptation, atrophy, hypertrophy, hyperplasia & metaplasia		5 hours
2-	Inflammation & Repair	Acute inflammation (vascular changes, leukocytes cellular events, chemical mediation of inflammation, outcome of acute inflammation.Chronic inflammation, chronic inflammatory cells, Granulomatous inflammation.Repair, cell regeneration, fibrosis & wound healing.		4 hours
3-	Hemodynamic disorders, thrombosis & shock	Disturbance of circulation edema, congestion, hemorrhage, hemostasis & thrombosis, embolism, infarction, Shock		5 hours
4-	Disorders of immune system	Cells of immune system, histocompatibility genes, immune mechanisms of tissue injury, autoimmune disease, immunodeficiency diseases.		5 hours
5-	Neoplasia	Definition, nomenclature, characteristic of benign & malignant neoplasm, epidemiology, carcinogenesis biology of tumor growth, etiology of cancer, host defense against tumors, clinical features of neoplasia		7 hours
6-	General pathology of infectious diseases	Categories of infectious agents, host barriers to infection, immune evasion by microbes, how microorganisms cause disease		3 Hours
7-	Cytogenetics	Mutation, Mendelian disorders, disorders with multifactorial inheritance, single gene disorders, cytogenetic disorders.		5Hours
8-	Hematopoietic system	Red cell diseases (hypochromic anemia, macrocytic anemia, hemolytic anemia, polycythemia. WBC diseases leukemia, multiple myeloma, myeloproliferative disorders. Bleeding disorders.		6 hours
9-	Heart	Congenital heart diseases, ischemic heart disease, valvular heart disease, bacterial endocarditis, heart failure, hypertensive heart diseases, cardiomyopathy		5 hours
10-	Blood vessels	Atherosclerosis, vasculitis, hypertensive vascular disease, aneurysm & dissection, veins & lymphatics diseases, tumors		5 hours
11-	cytopathology	Advantage, applications, types & drawback of cytological examination, FNAC		2 Hours

Curriculum of pathology for the forth Year

1-	Blood vessels	Atherosclerosis, vasculitis, hypertensive vascular disease, aneurysm & dissection, veins & lymphatics diseases, tumors		5 hours
2-	Lymphoreticular system	Benign lymphadenopathy, Hodgkin's & non Hodgkin's lymphoma		3 Hours
3-	Respiratory System	Atelactasis, ARDS, chronic obstructive lung diseases, restrictive lung diseases, acute & chronic pneumonia, tumors, lesions of upper respiratory tract		6 hours
4-	GIT	Esophagus (anatomic & motor disorders, esophagitis, diverticulae, tumors) Stomach (gastritis, ulcerations, tumors) Small & large bowel(developmental anomalies, malabsorption, chronic inflammatory bowel diseases, tumors)		6 hours
5-	Liver, gallbladder & pancreas	Liver (acute & chronic hepatitis, cirrhosis, tumors) Gallbladder (cholecystitis, calculi, Tumors) Pancreas (pancreatitis, carcinoma)		6 Hours
6-	Endocrine system	Pituitary gland, thyroid gland (hyperthyroidism, hypothyroidism, graves' disease, non toxic goiter, thyroiditis, Tumors , parathyroid gland, adrenal cortex & medulla, multiple endocrine neoplasia.		6 Hours
7-	Renal system	Clinical manifestations of renal diseases, congenital diseases of the urinary system, cystic diseases of the kidney, glomerular diseases, diseases of tubules & interstitium, blood vessels diseases, renal tumors, diseases of urinary bladder		6 hours
8-	Male genital tract	Testicular tumors, proctitis, nodular hyperplasia, carcinoma		2 hours
9-	Female genital tract & breast	Vulva, vagina, cervicitis, cervical tumors, endometritis, adenomyosis, endometrial hyperplasia, tumors of body of uterus, ovarian cyst, endometriosis, diseases of pregnancy tumors of breast, gynecomastia		10hours
10-	Musculoskeletal system	Congenital diseases of the bone, paget disease, osteoporosis, osteomyelitis, bone tumors, rheumatoid arthritis, osteoarthritis, gout		3 Hours
11-	Skin pathology	Squamous & basal cell carcinoma, malignant melanoma		2 Hours
12-	Pathology of nervous system	Traumatic vascular injury, intracranial hemorrhage, tumors		3 Hours