

Aligned topics of Pathology course and Firecracker

Topics of Lectures in the Pathology Syllabus	Topics to select in Firecracker	
	Category	Subcategory
Cell Injury and Cellular Adaptations to Stress: Hypertrophy, Hyperplasia, Atrophy, Metaplasia	Basic Sciences > Pathology > Responses to Injury >	Reversible Cellular Changes
Cell Injury and Cell Death: Causes, Morphology and Mechanisms of Cell Injury Necrosis	Basic Sciences > Pathology > Responses to Injury	Cellular Injury Irreversible Cellular Changes Necrosis
	Basic Sciences > Pathology > Molecular and Cellular Injury	Free Radical Injury Hypoxia
	Organ Systems > Cardiology > Pathology >	Morphologic Changes of Acute MI
	Organ Systems > Neurology > Pathology >	Stroke
Cell Injury and Cell Death: Causes, Morphology and Mechanisms of Cell Injury Apoptosis	Basic Sciences > Pathology > Responses to Injury	Apoptosis
Intracellular Accumulations, Pathologic Calcification, Cellular Aging	Basic Sciences > Pathology > Molecular and Cellular Injury	Intracellular Accumulations Pathologic Calcifications

Inflammation and Repair- Introduction	Basic Sciences > Pathology > Responses to Injury	Acute Inflammation
Acute Inflammation: Vascular Changes, Cellular Events, Chemical Mediators	Basic Sciences > Pathology > Responses to Injury	Leukocyte Adherence and Migration
Chronic Inflammation: Granulomatous Inflammation	Basic Sciences > Pathology > Responses to Injury	Chronic Inflammation
Cell and Tissue Regeneration: Scar formation	Basic Sciences > Pathology > Responses to Injury	Granulation Tissue Angiogenesis Tissue Repair Wound Healing
Factors that influence tissue repair, Clinical Examples of Tissues Repair		Fibrosis, Scar Tissue, and Keloids
Hemodynamics disorders- Congestion, Edema, Hemorrhage	Organ Systems > Cardiology > Pathology >	Congestive Heart Failure
	Basic Sciences > Biochemistry > Nutrition > Malnutrition:	Marasmus and Kwashiorkor
	Organ Systems > Nephrology > Pathology >	Nephrotic Syndrome & Systemic Etiologies
	Organ Systems > Endocrinology > Thyroid & Parathyroid >	Hypothyroidism

	Organ Systems > Pulmonology > Pathology >	Pulmonary Hypertension
	Organ Systems > Neurology > Pathology > Herniation Syndrome	Herniation Syndrome
	Basic Sciences > Microbiology > Bacteria >	<i>Neisseria</i>
	Organ Systems > Neurology > Pathology >	Intracranial Hemorrhage
Normal Hemostasis, Thrombosis, Shock	Organ Systems > Hematology/Oncology > Hemostasis >	Primary Hemostasis Secondary Hemostasis (Coagulation Cascade)
	Organ Systems > Hematology/Oncology > Hematologic Disorders >	Thrombotic Microangiopathies
	Organ Systems > Reproductive > Pharmacology >	Hormone Replacement Therapy
	Organ Systems > Cardiology > Pathology	> Types of Shock
Disseminated Intravascular Coagulation, Embolism: Pulmonary Thromboembolism, Systemic Thromboembolism	Organ Systems > Hematology/Oncology > Hematologic Disorders >	Mixed Disorders of Hemostasis
	Organ Systems > Hematology/Oncology	Hereditary

	> Hematologic Disorders >	Thrombophilia
	Organ Systems > Cardiology > Pathology >	Arteriosclerosis & Atherosclerosis
	Organ Systems > Pulmonology > Pathology >	Pulmonary Thromboembolism
	Organ Systems > Cardiology > Pathology >	Endocarditis
	Organ Systems > Orthopedics & Rheumatology > Muscular Pathology >	Lower Extremity Injuries (Fat embolism, compartment syndrome)
Genetic Diseases I	Basic Sciences > Biochemistry > DNA & RNA > Mutations	Mutations
	Basic Sciences > Biochemistry > Genetics > Key Genetic Terms	Key Genetic Terms
	Basic Sciences > Biochemistry > Genetics > Autosomal Dominant Disorders	Autosomal Dominant Disorders
	Basic Sciences > Biochemistry > Genetics > Inheritance & Pedigree Analysis	Inheritance & Pedigree Analysis
	Organ Systems > Neurology >	Neurocutaneous Disorders

	Pathology >	(Phakomatoses)
	Basic Sciences > Biochemistry > The Cell >	Fibrillin
	Organ Systems > Cardiology > Pathology >	Aortic Dissection
	Basic Sciences > Biochemistry > The Cell > Collagen	Collagen
	Basic Sciences > Biochemistry > Cellular Energy >	Familial Dyslipidemias/Hyperlipidemias
	Basic Sciences > Biochemistry > Genetics > Cystic Fibrosis	Basic Sciences > Biochemistry > Genetics > Cystic Fibrosis
	Basic Sciences > Biochemistry > Cellular Energy > Mono/Disaccharide Metabolic Disorders	Mono/Disaccharide Metabolic Disorders
	Basic Sciences > Biochemistry > Cellular Energy >	Phenylalanine & Tyrosine Metabolism
Genetic Diseases II	Basic Sciences > Biochemistry > The Cell > Lysosomal Storage Diseases	Lysosomal Storage Diseases
	Basic Sciences > Biochemistry > Cellular Energy > Glycogen Storage Diseases	Glycogen Storage Diseases

Basic Sciences > Biochemistry > Cellular Energy >	Homocysteine Metabolism
Basic Sciences > Biochemistry > Genetics > X-Linked Recessive Disorders	X-Linked Recessive Disorders
Basic Sciences > Biochemistry > Genetics >	Trisomy 21 Trisomy 18 Trisomy 13
Organ Systems > Reproductive > Pathology >	Prenatal Screening: Genetics
Organ Systems > Reproductive > Pathology >	Sex Chromosome Disorders
Basic Sciences > Biochemistry > Genetics > 22q11.2 Deletion Syndrome	22q11.2 Deletion
Basic Sciences > Biochemistry > Genetics > Cri-du- chat Syndrome	Cri-du-chat Syndrome
Basic Sciences > Biochemistry > Genetics > Trinucleotide Repeat Disorders	Trinucleotide Repeat Disorders
Basic Sciences > Biochemistry > Genetics > Mitochondrial	Mitochondrial Diseases

	Diseases	
Neoplasia: Benign and Malignant Tumors	Basic Sciences > Pathology > Neoplasms >	Benign Tumors Cancer Epidemiology Classification of Neoplasms Malignant Tumors
Carcinogenesis: The Molecular Basis of the Cancer	Basic Sciences > Pathology > Neoplasms >	Neoplastic Progression Chemical Carcinogens Microbial Carcinogens Properties of Neoplasms Tumor Suppressors and Associated Tumors Oncogenes and Associated Tumors Metastasis
Clinical Aspects of Neoplasia: Grading and Staging of the Cancer	Basic Sciences > Pathology > Neoplasms	Neoplasms by Organ System Paraneoplastic Syndromes Systemic Effects of Cancer Tumor Markers
	Basic Sciences > Biochemistry > Nutrition > Cachexia	Cachexia
Pediatric Diseases: Congenital	Basic Sciences >	Defective Organ

Abnormalities, Prematurity, Fetal Growth Restriction	Embryology > Organ Development > Defective Organ Development	Development
	Organ Systems > Reproductive > Pathology >	Amniotic Fluid Abnormalities
	Basic Sciences > Embryology > Human Development > Teratogens	Teratogens
	Basic Sciences > Microbiology > Laboratory Microbiology > Fetal Infections	Fetal Infections
	Basic Sciences > Behavioral Science > Development > Childbirth	Childbirth
	Organ Systems > Pulmonology > Pathology >	Neonatal Respiratory Distress Syndrome (NRDS)
	Organ Systems > Gastroenterology > Pathology > Neonatal Gastrointestinal Pathologies	Neonatal Gastrointestinal Pathologies
	Organ Systems > Hematology/Oncology > Hematopoiesis >	ABO and Rh Blood Group Systems
	Basic Sciences > Behavioral Science > Public Health >	Causes of Death

Tumors and Tumor-Like Lesions of the Infancy and Childhood	Organ Systems > Cardiology > Pathology > Benign Vascular Tumors	Benign Vascular Tumors
	Organ Systems > Reproductive > Pathology > Ovarian Tumors: Germ Cell Tumors	Ovarian Tumors: Germ Cell Tumors
	Organ Systems > Endocrinology > Adrenals > Tumors of the Adrenal Medulla	Tumors of the Adrenal Medulla
	Organ Systems > Nephrology > Pathology > Malignant Tumors of the Urinary Tract and Kidney	Malignant Tumors of the Urinary Tract and Kidney
	Basic Sciences > Pathology > Neoplasms > Tumor Suppressors and Associated Tumors	Tumor Suppressors and Associated Tumors
Environmental Diseases: Alcohol, Smoking, Heavy metals	Organ Systems > Gastroenterology > Pathology > Alcoholic Liver Disease	Alcoholic Liver Disease
	Basic Sciences > Biochemistry > Nutrition > Alcohol Metabolism	Alcohol Metabolism
	Organ Systems > Pulmonology > Pathology > Lung Cancer:	Lung Cancer: Adenocarcinoma

	Adenocarcinoma	
	Basic Sciences > Pharmacology > Toxicology > Toxicology	Toxicology
Environmental Diseases: Injury by Therapeutic Drugs and Drugs of Abuse	Basic Sciences > Pharmacology > Toxicology > Toxicology	Toxicology
	Organ Systems > Psychiatry > Pathology > Signs and Symptoms of Substance Abuse-Hallucinogens	Signs and Symptoms of Substance Abuse-Hallucinogens
	Organ Systems > Psychiatry > Pathology > Signs and Symptoms of Substance Abuse-Stimulants	Signs and Symptoms of Substance Abuse-Stimulants
Nutritional Diseases: Malnutrition Diseases, Anorexia Nervosa and Bulimia	Basic Sciences > Biochemistry > Nutrition > Malnutrition: Marasmus and Kwashiorkor	Malnutrition: Marasmus and Kwashiorkor
	Organ Systems > Psychiatry > Pathology > Eating Disorders	Eating Disorders
Nutritional Diseases: Vitamins, Trace minerals	Basic Sciences > Biochemistry > Nutrition > Fat Soluble Vitamins	Fat Soluble Vitamins

	asic Sciences > Biochemistry > Nutrition > Vitamins of Anemia	Vitamins of Anemia
	asic Sciences > Biochemistry > Nutrition > B Vitamins	B Vitamins
	Basic Sciences > Biochemistry > Nutrition > Vitamin C	Vitamin C
RBC Disorders: Microcytic Hypochromic Anemia	Organ Systems > Hematology/Oncology > Anemia	Anemia
	Organ Systems > Hematology/Oncology > Anemia > Anemia: Iron Deficiency Anemia	Iron Deficiency Anemia
RBC Disorders: Normocytic Normochromic Anemia	Organ Systems > Hematology/Oncology > Anemia	Anemia
RBC Disorders: Megaloblastic Anemia	Organ Systems > Hematology/Oncology > Anemia > Anemia: Megaloblastic Anemias	Megaloblastic Anemias
WBC Disorders: Non-Neoplastic Disorders of White Cells	Organ Systems > Hematology/Oncology > Hematopoiesis > Blood Composition	Blood Composition
	Basic Sciences > Microbiology > Bacteria > <i>Bartonella henselae</i>	<i>Bartonella henselae</i>

WBC Disorders: Acute and Chronic Leukemia	Organ Systems > Hematology/Oncology > Myeloproliferative Neoplasms > Leukemia: Chronic Myelogenous Leukemia	Leukemia: Chronic Myelogenous Leukemia
	Organ Systems > Hematology/Oncology > Hematologic Malignancies > Leukemia: Acute Leukemia	Leukemia: Acute Leukemia
	Organ Systems > Hematology/Oncology > Hematologic Malignancies > Leukemia: Chronic Lymphocytic Leukemia and Hairy Cell Leukemia	Leukemia: Chronic Lymphocytic Leukemia and Hairy Cell Leukemia
WBC Disorders: Non-Hodgkin's Lymphoma	Organ Systems > Hematology/Oncology > Hematologic Malignancies > Lymphoma: Non-Hodgkin	Lymphoma: Non-Hodgkin
WBC Disorders: Hodgkin's Lymphoma	Organ Systems > Hematology/Oncology > Hematologic Malignancies > Lymphoma: Hodgkin	Lymphoma: Hodgkin
WBC Disorders: MPDs, MDS	Organ Systems > Hematology/Oncology > Myeloproliferative Neoplasms > Myelodysplastic	Myelodysplastic Syndromes

	Syndromes	
WBC Disorders: Plasma Cells Disorders, Histiocytosis	Organ Systems > Hematology/Oncology > Hematologic Malignancies > Multiple Myeloma	Multiple Myeloma
	Organ Systems > Hematology/Oncology > Hematologic Malignancies > Waldenström Macroglobulinemia	Waldenström Macroglobulinemia
	Organ Systems > Hematology/Oncology > Hematologic Malignancies > Langerhans Cell Histiocytosis	Langerhans Cell Histiocytosis
Bleeding Disorders: Thrombocytopenia	rgan Systems > Hematology/Oncology > Hematologic Disorders > Thrombocytopenia	Thrombocytopenia
Bleeding Disorders: Coagulation Disorders	Organ Systems > Hematology/Oncology > Hemostasis > Secondary Hemostasis (Coagulation Cascade)	Secondary Hemostasis (Coagulation Cascade)
	Organ Systems > Hematology/Oncology > Hemostasis > Primary Hemostasis	Primary Hemostasis
	Organ Systems > Hematology/Oncology	Mixed Disorders of

	> Hematologic Disorders > Mixed Disorders of Hemostasis	Hemostasis
Vascular Pathology: Atherosclerosis	Organ Systems > Cardiology > Pathology > Arteriosclerosis & Atherosclerosis	Arteriosclerosis & Atherosclerosis
Vascular Pathology: Aneurysms and Dissections	Organ Systems > Cardiology > Pathology > Aneurysms	Aneurysms
	Organ Systems > Cardiology > Pathology > Aortic Dissection	Aortic Dissection
Vascular Pathology: Vasculitis	Organ Systems > Cardiology > Pathology > Large Vessel Vasculitis	Large Vessel Vasculitis
	Organ Systems > Cardiology > Pathology > Medium-sized Vessel Vasculitis	Medium-sized Vessel Vasculitis
	Organ Systems > Cardiology > Pathology > Small Vessel Vasculitis	Small Vessel Vasculitis
Vascular Pathology: Tumors	Organ Systems > Cardiology > Pathology > Benign Vascular Tumors	Benign Vascular Tumors
	Organ Systems >	Malignant Vascular

	Cardiology > Pathology > Malignant Vascular Tumors	Tumors
Heart: Heart Failure	Organ Systems > Cardiology > Pathology > Congestive Heart Failure	Congestive Heart Failure
Heart: Ischemic Heart Diseases	Organ Systems > Cardiology > Pathology > Chronic Ischemic Heart Disease	Chronic Ischemic Heart Disease
	Basic Sciences > Pathology > Molecular and Cellular Injury > Hypoxia	Hypoxia
	Organ Systems > Cardiology > Pathology > Ventricular Fibrillation	Ventricular Fibrillation
Heart: Congenital Heart Diseases	Organ Systems > Cardiology > Pathology > Congenital Heart Defects	Congenital Heart Defects
Heart: Valvular Heart Diseases	Organ Systems > Cardiology > Pathology > Valvular Heart Disease	Valvular Heart Disease
	Organ Systems > Pulmonology > Pathology > Pulmonary	Pulmonary Hypertension

	Hypertension	
	Organ Systems > Cardiology > Pathology > Rheumatic Heart Disease	Rheumatic Heart Disease
	Organ Systems > Cardiology > Physiology > Heart Auscultation	Heart Auscultation
Heart: Cardiomyopathies	Organ Systems > Cardiology > Pathology > Dilated Cardiomyopathy	Dilated Cardiomyopathy
	Organ Systems > Cardiology > Pathology > Restrictive Cardiomyopathy	Restrictive Cardiomyopathy
	Organ Systems > Cardiology > Pathology > Hypertrophic Cardiomyopathy	Hypertrophic Cardiomyopathy
	Organ Systems > Cardiology > Pathology > Wolff- Parkinson White & Brugada syndromes	Wolff-Parkinson White & Brugada syndromes
Pulmonary Diseases of Vascular Origin, Pulmonary Infections	Organ Systems > Pulmonology > Pathology > Pulmonary Hypertension	Pulmonary Hypertension

	Organ Systems > Pulmonology > Pathology > Pneumonia	Pneumonia
Obstructive Pulmonary Diseases	Organ Systems > Pulmonology > Pathology > Obstructive Lung Disease: Asthma	Obstructive Lung Disease: Asthma Obstructive Lung Disease: Bronchiectasis Obstructive Lung Disease: Chronic Bronchitis
Chronic Interstitial-Restrictive, Infiltrative Lung Diseases	Organ Systems > Pulmonology > Pathology > Lung Disease: Obstructive vs. Restrictive	Obstructive vs. Restrictive
	Organ Systems > Pulmonology > Physiology > Lung Volumes	Lung Volumes
	rgan Systems > Pulmonology > Pathology > Interstitial Lung Disease: Pneumonitis	Interstitial Lung Disease: Pneumonitis
	Organ Systems > Pulmonology > Pathology > Interstitial Lung Disease: Other Pneumoconioses	Interstitial Lung Disease: Other Pneumoconioses
Pulmonary Tumors	Organ Systems > Pulmonology > Pathology > Lung	Lung Cancer: Overview

	Cancer: Overview	
Gastrointestinal Tract 1: Esophagus; Esophagitis, Esophageal Adenocarcinoma,	Organ Systems > Gastroenterology > Anatomy & Histology > Esophagus	Esophagus
	Organ Systems > Gastroenterology > Pathology > Esophageal Diseases	Esophageal Diseases
Gastrointestinal Tract 2: Stomach; Acute and Chronic Gastritis, Peptic Ulcer Diseases; Gastric Polyps, Gastric Tumors	Organ Systems > Gastroenterology > Anatomy & Histology > Stomach	Stomach
	Organ Systems > Gastroenterology > Pathology > Gastritis	Gastritis
	Organ Systems > Gastroenterology > Pathology > Gastric Cancer	Gastric Cancer
	Organ Systems > Gastroenterology > Pathology > Peptic Ulcer Disease	Peptic Ulcer Disease
Gastrointestinal Tract 3: Small and Large Intestine; Intestinal Obstruction, Ischemic Bowel Diseases; Inflammatory Bowel Diseases	Organ Systems > Gastroenterology > Pathology > Small Bowel Obstruction	> Small Bowel Obstruction
	rgan Systems > Gastroenterology > Pathology > Malabsorption	Malabsorption
	Organ Systems > Gastroenterology >	Chronic Mesenteric

	Pathology > Chronic Mesenteric Ischemia Chronic Mesenteric Ischemia	Ischemia
	Organ Systems > Gastroenterology > Pathology > Inflammatory Bowel Disease	Inflammatory Bowel Disease
Gastrointestinal Tract 4 : Infectious intestinal disorders;	Basic Sciences > Microbiology > Bacteria > <i>Escherichia coli</i>	<i>Vibrio spp.</i> <i>Escherichia coli</i> <i>Yersinia enterocolitica</i> Cryptosporidium Caliciviruses (Norwalk/Norovirus) Reoviruses Reoviruses <i>Shigella</i> <i>Giardia lamblia</i> <i>Bacillus cereus</i> <i>Entamoeba histolytica</i>
Gastrointestinal Tract 5 : Colonic Polyps and Neoplastic Diseases; Acute Appendicitis, Tumors Of The Appendix	Organ Systems > Gastroenterology > Pathology > Hamartomatous Syndromes	Hamartomatous Syndromes
	Organ Systems > Gastroenterology > Pathology >	Angiodysplasia

	Angiodysplasia	
	Organ Systems > Gastroenterology > Pathology > Colorectal Polyps	Colorectal Polyps
	Organ Systems > Gastroenterology > Pathology > Familial Colorectal Cancer	Familial Colorectal Cancer
Diseases of Liver and Biliary System 1: Normal Anatomy and functions of the liver, Hepatic response to the injury, Causes and pathogenesis of acute hepatic failure, 3 types of Jaundice, Etiology, pathogenesis and morphology of cirrhosis, Etiology, pathogenesis and morphology of acute, chronic and autoimmune hepatitis	rgan Systems > Gastroenterology > Pathology > Hyperbilirubinemia (Jaundice)	Hyperbilirubinemia (Jaundice) Hepatic Failure
	Basic Sciences > Microbiology > Viruses > Hepatitis	Hepatitis
Diseases of Liver and Biliary System 2: Liver Abscesses, Drug- induced Liver Diseases, Alcoholic Liver Diseases, Metabolic Liver Diseases, Non-alcoholic fatty liver disease Diseases of Liver and Biliary System Hemochromatosis, , α 1- antitrypsin deficiency, Neonatal hepatitis, CIRCULATORY Disorders of Liver, Preeclampsia, Transplantation	Basic Sciences > Microbiology > Parasites > Entamoeba Wilson disease histolytica	Entamoeba histolytica
	Organ Systems > Gastroenterology > Pathology > Alcoholic Liver Disease	Alcoholic Liver Disease
	Organ Systems > Gastroenterology > Pathology > NAFLD (Non-Alcoholic Fatty Liver Disease)	NAFLD (Non- Alcoholic Fatty Liver Disease)
	Organ Systems > Gastroenterology >	• Hemochromato

	Pathology > Hemochromatosis Hemochromatosis	sis
	Organ Systems > Gastroenterology > Pathology > Hepatolenticular Degeneration (Wilson Disease)	Hepatolenticular Degeneration (Wilson Disease)
	Organ Systems > Gastroenterology > Pathology > α 1- Antitrypsin Deficiency	> α 1-Antitrypsin Deficiency
	Organ Systems > Gastroenterology > Pathology > Budd- Chiari Syndrome	Budd-Chiari Syndrome
Diseases of Liver and Biliary System 4: Benign and Malignant neoplasms of the liver, Biliary Tract Diseases: Secondary biliary cirrhosis, Primary biliary cirrhosis; Primary sclerosing Cholangitis, Anomalies of Biliary Tree	Organ Systems > Gastroenterology > Pathology > Hepatocellular Carcinoma	Hepatocellular Carcinoma
	Organ Systems > Gastroenterology > Pathology > <i>Primary Biliary Cholangitis & Secondary Biliary Cirrhosis</i>	Primary Biliary Cholangitis & Secondary Biliary Cirrhosis
Diseases of Liver and Biliary System : Stones (Cholelithiasis); Inflammation (Cholecystitis/Cholangitis), Cysts, Neoplasms	Organ Systems > Gastroenterology > Pathology > Cholelithiasis and Cholecystitis	Cholelithiasis and Cholecystitis
Disorders of the Pancreas 1: Etiology and morphology of congenital anomalies of pancreas, acute and chronic pancreatitis,	Organ Systems > Gastroenterology > Pathology > Acute Pancreatitis	Acute Pancreatitis

complications of acute and chronic pancreatitis, pancreatic tumors	Organ Systems > Gastroenterology > Pathology > Chronic Pancreatitis	Chronic Pancreatitis
	Organ Systems > Gastroenterology > Pathology > Pancreatic Cysts	Pancreatic Cysts
	Organ Systems > Gastroenterology > Pathology > Pancreatic Adenocarcinoma	Pancreatic Adenocarcinoma
Central Nervous System Pathology1 : CNS cellular reaction patterns to CNS injury, Hydrocephalus, Cerebral edema and increased intracranial pressure, Neural Tube defects, Seryngomyelia, Perinatal Brain Injures	Organ Systems > Neurology > Pathology > Congenital Nervous System Disorders	Congenital Nervous System Disorders
	Organ Systems > Neurology > Pathology > Hydrocephalus	Hydrocephalus
	Organ Systems > Neurology > Neuroanatomy > Ventricular System	Ventricular System
	Organ Systems > Neurology > Pathology > Herniation Syndromes	Herniation Syndromes
Central Nervous System Pathology2: CNS trauma and sequelae Concussion, Cuntusion, Laceration, Coup/Contre-Coup	Organ Systems > Neurology > Pathology > Intracranial	Intracranial Hemorrhage

injures of brain, Epidural, subdural and subarachnoid hemorrhages, Ischemic and hemorrhagic cerebrovascular diseases, Vascular malformations of the brain	Hemorrhage	
Central Nervous System Pathology3: Demyelinating diseases and Neurodegenerative Diseases	Organ Systems > Neurology > Pathology > Acute Disseminated Encephalomyelitis	Acute Disseminated Encephalomyelitis
	Organ Systems > Neurology > Pathology > Multiple Sclerosis	Multiple Sclerosis
	Organ Systems > Neurology > Pathology > Huntington Disease	Huntington Disease
	Organ Systems > Neurology > Pathology > Alzheimer Disease	Alzheimer Disease
	Organ Systems > Neurology > Pathology > Parkinson Disease	Parkinson Disease
	o: Organ Systems > Neurology > Pathology > Other Causes of Dementia	Other Causes of Dementia
Central Nervous System Pathology4: Infections of the	Basic Sciences > Microbiology > Viruses > Prion	Prion Diseases

Nervous System	Diseases	
	Organ Systems > Neurology > Pathology > Viral Infections of the CNS	Viral Infections of the CNS
AM Session: Quiz; Central Nervous System Pathology 5: Central Nervous System Tumors Diseases of Peripheral Nerves	Organ Systems > Neurology > Pathology > Pediatric Brain Tumors	Pediatric Brain Tumors
	Organ Systems > Neurology > Pathology > Adult Brain Tumors	Adult Brain Tumors
	Organ Systems > Neurology > Pathology > Neurocutaneous Disorders (Phakomatoses)	Neurocutaneous Disorders (Phakomatoses)
	Organ Systems > Neurology > Pathology > Guillain- Barre Syndrome	Guillain-Barre Syndrom
	rgan Systems > Orthopedics & Rheumatology > Autoimmune Pathology > Myasthenia Gravis & Lambert-Eaton Myasthenic Syndrome	Myasthenia Gravis & Lambert-Eaton Myasthenic Syndrome
Diseases of Muscles	rgan Systems > Orthopedics & Rheumatology > Autoimmune Pathology >	Dermatomyositis & Polymyositis

	Dermatomyositis & Polymyositis	
Renal Pathology2: Chronic Glomerulonephritis, Diseases of tubules and interstitium, pyelonephritis, renal blood vessels diseases	USMLE Step 1 > Organ Systems > Nephrology	Nephrology Nephritic Syndrome—PSGN (Poststreptococcal Glomerulonephritis) EM: Sub-Endothelial vs. Sub-Epithelial Deposits – Summary Chronic Glomerulonephritis
	Organ Systems > Nephrology > Pathology > Drug-Induced Interstitial Nephritis	Drug-Induced Interstitial Nephritis
Renal Pathology3: Renal Tumors: Oncocytoma, Renal Cell Carcinoma	Organ Systems > Nephrology > Pathology > Benign Tumors of the Urinary Tract and Kidney	Benign Tumors of the Urinary Tract and Kidney
Lower Urinary Tract and Male Genital System Pathology 1: Congenital disorders, Cystitis, Urethritis, Bowen disease	rgan Systems > Reproductive > Pathology > Penile Pathology	Penile Pathology
	Basic Sciences > Embryology > Organ Development > Genitourinary Development	Genitourinary Development
	Organ Systems > Reproductive > Anatomy > External	

	Genitalia - Male	
	Organ Systems > Nephrology > Pathology > Urge Incontinence	Urge Incontinence
	Organ Systems > Nephrology > Pathology > Infection of the Urinary Tract and Kidney	> Infection of the Urinary Tract and Kidney
	Organ Systems > Reproductive > Pathology > Nonmalignant Disorders of the Scrotum and Its Contents	Nonmalignant Disorders of the Scrotum and Its Contents
Lower Urinary Tract and Male Genital System Pathology 2: Testicular and Prostate diseases	Organ Systems > Reproductive > Pathology > Prostate Pathology	Prostate Pathology
	Organ Systems > Reproductive > Pathology > Testicular Tumors: Germ Cell Tumors	Testicular Tumors: Germ Cell Tumors
Female Genital System Pathology1:Diseases of Vulva and Vagina	Organ Systems > Reproductive > Pathology > Vulva Pathology	Vulva Pathology
	Organ Systems > Reproductive > Pathology > Vaginal Carcinoma	Vaginal Carcinoma

	Organ Systems > Reproductive > Anatomy > Vagina	Vagina
Female Genital System Pathology2: Cervix, Endometrium, Uterine tubes diseases	Organ Systems > Reproductive > Pathology > Cervical Pathology	Cervical Pathology
	Organ Systems > Reproductive > Anatomy > Cervix	Cervix
Female genital system pathology3: non-neoplastic and functional cysts of ovaries, polycystic ovaries and stromal hyperthecosis, ovarian tumors disorders of pregnancy: spontaneous abortion, ectopic pregnancy, late pregnancy, placental anomalies, twin placentas, placental inflammations, placental neoplasms (hydatidiform moles, choriocarcinoma, placental site trophoblastic tumors)	Organ Systems > Reproductive > Pathology > Uterine Pathology	Uterine Pathology
	Organ Systems > Reproductive > Pathology > Non- Neoplastic Ovarian Disorders	Non-Neoplastic Ovarian Disorders
	Organ Systems > Reproductive > Pathology > Ovarian Tumors: Germ Cell Tumors	Ovarian Tumors: Germ Cell Tumors
	Organ Systems > Reproductive > Physiology > Regulation of the Ovaries	Regulation of the Ovaries
	Organ Systems > Reproductive > Pathology > Pregnancy Complications	Pregnancy Complications

	Basic Sciences > Embryology > Human Development > Twinning	Twinning
	Organ Systems > Reproductive > Pathology > Gestational Trophoblastic Disease	Gestational Trophoblastic Disease
Breast Pathology 1 :Developmental Anomalies; Inflammatory Diseases; Benign Epithelial Lesions	Organ Systems > Reproductive > Pathology > Common Breast Conditions	Common Breast Conditions
Breast Pathology 2: Fibroepithelial Lesions; Carcinoma of the Breast	Organ Systems > Reproductive > Pathology > Breast Tumors: Malignant Carcinoma	Breast Tumors: Malignant Carcinoma
	Organ Systems > Reproductive > Pathology > Breast Tumors: Benign	Breast Tumors: Benign
Endocrine Pathology1 : Pituitary gland diseases	Organ Systems > Endocrinology > Hypothalamic Pituitary Axis > Pituitary Adenomas	Pituitary Adenomas
	Organ Systems > Endocrinology > Hypothalamic Pituitary Axis > Anterior Pituitary	Anterior Pituitary
	Organ Systems > Endocrinology > Hypothalamic Pituitary	ADH Disorders

	Axis > ADH Disorders	
Endocrine Pathology 2: Thyroid glands diseases	Basic Sciences > Embryology > Organ Development > Thyroid Development	Thyroid Development
	Organ Systems > Endocrinology > Thyroid & Parathyroid > Thyroid	Thyroid
Endocrine Pathology 2 : Parathyroid glands diseases Endocrine Pathology3 : , Adrenal gland cortex and medulla diseases	Basic Sciences > Embryology > Organ Development > Pharyngeal Pouches, Grooves/Clefts, and Membranes	Pharyngeal Pouches, Grooves/Clefts, and Membranes
	Organ Systems > Endocrinology > Thyroid & Parathyroid > Parathyroid Gland	Parathyroid Gland
Endocrine Pathology4: Diabetes Mellitus, and pancreatic endocrine tumors	Organ Systems > Endocrinology > Endocrine Pancreas > Diabetes Mellitus	Diabetes Mellitus
	Organ Systems > Endocrinology > Endocrine Pancreas > Pancreatic Tumors	Pancreatic Tumors
	Organ Systems > Endocrinology > Other Pathology > Multiple Endocrine Neoplasia (MEN)	Multiple Endocrine Neoplasia (MEN)
	Organ Systems > Endocrinology > Endocrine Pancreas >	Hormones of the Endocrine Pancreas

	Hormones of the Endocrine Pancreas	
Skin Pathology1 :Benign pigmented lesions, Malignant melanoma; Benign epidermal lesions, Squamous cell carcinoma; Basal cell carcinoma	Organ Systems > Dermatology > Skin Pathology > Common Skin Disorders	Common Skin Disorders
	Organ Systems > Dermatology > Skin > Dermatology Terminology	Dermatology Terminology
Skin Pathology2 : Disorders of epidermal maturation, Acute and chronic dermatitis/dermatoses, Vesiculobullous diseases	Organ Systems > Dermatology > Skin Pathology > Blistering Disorders	Blistering Disorders
Skin Pathology 3: Acne vulgaris Cutaneous infections	Organ Systems > Dermatology > Skin Pathology > Infectious Skin Disorders	Infectious Skin Disorders
	Organ Systems > Dermatology > Pharmacology > Emollients, Retinoids and Sunscreen	Emollients, Retinoids and Sunscreen
Bone Pathology: Bone histology and remodeling, Fractures; Osteonecrosis (Avascular necrosis) Osteomyelitis; Metabolic Bone Disease; Bones Tumors and tumor like lesions;	Organ Systems > Orthopedics & Rheumatology > Skeletal Pathology > Osteoporosis	Osteoporosis
	Organ Systems > Orthopedics & Rheumatology > Skeletal Pathology > Osteomyelitis	Osteomyelitis
	Organ Systems > Orthopedics &	Bone tumors

	Rheumatology > Skeletal Pathology	
<p>Joint diseases: osteoarthritis; rheumatoid arthritis; juvenile” rheumatoid arthritis; ankylosing spondylitis; Reiter syndrome; psoriatic arthritis; gout; pseudo gout; myositis ossificans, benign tumors; ganglion (synovial cyst), giant cell tumor of tendon sheath, aka pvns, pigmented villonodular synovitis malignant tumors: synovial sarcoma fibrosarcoma</p>	Organ Systems > Orthopedics & Rheumatology > Skeletal Pathology > Osteoarthritis	Osteoarthritis
	Organ Systems > Orthopedics & Rheumatology > Autoimmune Pathology > Rheumatoid Arthritis	Rheumatoid Arthritis
	Organ Systems > Orthopedics & Rheumatology > Musculoskeletal Physiology > Joints and Tendons	Joints and Tendons
	Organ Systems > Orthopedics & Rheumatology > Skeletal Pathology > Gout	Gout
<p>Head and Neck diseases: Inflammatory and precancerous pathology of oral cavity; Laryngeal Tumor and Sinuses tumors; cervical cyst including Branchial, Thyroglossal duct cyst, carotid body cyst, pathology of salivary gland and also their tumors, Oral manifestation of systemic diseases; Tumors and precancerous lesions of oral cavity and Odontogenic cyst and tumors of oral cavity/</p>	Organ Systems > Pulmonology > Anatomy & Histology > Upper Airway: Nasal Cavity	Upper Airway: Nasal Cavity
	Organ Systems > Pulmonology > Anatomy & Histology > Upper Airway: Paranasal Sinuses	Upper Airway: Paranasal Sinuses
	Basic Sciences > Anatomy > Head &	The Oral Cavity &

	Neck > The Oral Cavity & Tongue	Tongue
	Basic Sciences > Microbiology > Bacteria > <i>Actinomyces israelii</i>	<i>Actinomyces israelii</i>
Eye Diseases 1: Orbit, Eyelid; Conjunctiva; Cornea; and Glaucoma Eye Diseases 2: Uvea; Lens; Retina/Vitreous body, Optic Nerve Disorders	Organ Systems > Neurology > Pathology > Eye Pathology	Eye Pathology

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