AAPA PANCE/PANRE Review
Course Curriculum

Hippo Education

📣 Introduction
PANCE Intro
PANRE Intro
Course Navigation Tips

🫀 Cardiovascular System
ECG Essentials and Conduction Delays
Bradycardia and AV Blocks
Tachycardia: Narrow Dysrhythmias
Tachycardia: Wide Dysrhythmias
Overview of Murmurs
Systolic Murmurs
Diastolic Murmurs
Cardiomyopathy
Atherosclerosis and Stable Angina
Acute Coronary Syndrome
Heart Failure
Hypertension
Lipid Disorders
Hypotension
Shock
Traumatic, Infectious, and Inflammatory Heart Conditions
Aortic Disorders
Arterial Disorders
Venous Disorders
Overview of Fetal Circulation and CHD
Acyanotic Congenital Heart Disease
Obstructive and Cyanotic Congenital Heart Disease
Hypertension and Heart Failure Medications
Antianginal and Antiarrhythmic Medications
Lipid Lowering Medications

🫁 Pulmonary System
Obstructive Lung Diseases
Restrictive Lung Diseases

Pleural Diseases
A to Z Pulmonary ID: Bronchitis - Pertussis
A to Z Pulmonary ID: Pneumonia - TB
Pulmonary Neoplasms
Pulmonary Circulation
Respiratory Distress Syndromes
Foreign Body Aspiration & Hypersensitivity Reactions
Hypoventilation Syndromes
Pharmacology Essentials: Pulmonary



Gastrointestinal System/Nutritional

Esophageal Disorders
Stomach Disorders
Gallbladder Disorders
Liver Disorders
Pancreatic Disorders
Appendicitis, Constipation, & Toxic Megacolon
Diverticular, Obstructive, & Ischemic D/o
IBD, IBS, Celiac Dz, Polyps, & Colon Cancer
Lactose Intolerance, Rectal Issues & Cancer
Infectious & Non-Infectious Diarrhea
Hernias
Metabolic Disorders
Obesity, Paget Disease, and Rickets
Nutrition & Vitamin Deficiencies
Food and Nut Allergies
Ingestion of Toxic Substances
Pharmacology Essentials: Gastrointestinal



Musculoskeletal System

Introduction to Musculoskeletal Disorders
Shoulder
Tendinitis and Bursitis
Arm and Elbow
Wrist
Hand
Spine
Chest/Rib Disorders and Torticollis
Pelvis and Hips

Knee
Ankle and Foot
Inflammatory, Infectious, and Aging Disorders
Musculoskeletal Neoplasms
Fibromyalgia, Gout/CPPD, PAN, PM, PMR, & ReA
RA, Juvenile RA, SLE, SSc & Sjogren's
Pharmacology Essentials: Musculoskeletal

EENT (Eyes, Ears, Nose and Throat)

Conjunctival, Cornea, Fgn Body & Lacrimal d/o
Lid, Neuro, Orbital, and Retinal Disorders
Trauma, Vascular and Vision Disorders
Uveitis, Presbyopia, and Dry Eye
External Ear, Foreign Bodies, and Middle Ear
Inner Ear and Hearing Impairment
Nose/Sinus Disorders
Oropharyngeal Disorders
EENT Neoplasms

Reproductive System

Menstrual Disorders
Menopause
Abnormal Uterine Bleeding
Disorders of the Uterus
Disorders of the Ovaries
Disorders of the Cervix
Disorders of the Vagina/Vulva
Pelvic Organ Prolapse
Reproductive System Infections
Disorders of the Breast
IPV & Female Sexual Dysfunction
Contraception
Infertility
Prenatal Care
Fetus & Fetal Issues
Labor and Delivery
Pregnancy Complications: Vaginal Bleeding
Pregnancy: Labor Complications
Pregnancy: Delivery Complications

Pregnancy: Medical Complications
Pregnancy: Infections
Medications in Pregnancy
Additional Topics in Obstetrics



Endocrine System

Adrenals & Adrenal Gland Disorders
Diabetes Mellitus and Complications
Parathyroid & Parathyroid Gland Disorders
Pituitary & Pituitary Gland Disorders
Pituitary Adenomas and Sheehan Syndrome
Thyroid & Thyroid Gland Disorders
Additional Endocrine Topics
Pharmacology Essentials: Endocrine



Neurologic System

Hydrocephalus, Coma, AVM, & Cerebral Aneurysm
TIA, Stroke, SAH, and Syncope
Closed Head Injuries
Headache Disorders
Infectious and Inflammatory Disorders
Movement Disorders
Neurologic Neoplasms
Nerve Disorders
Neurocognitive Disorders
ALS, Botulism, and Myasthenia Gravis
Cerebral Palsy, Muscular Dystrophy, and Multiple Sclerosis
Seizure Disorders
Spinal Cord Syndromes
Pharmacology Essentials: Neurology



Psychiatry/Behavioral Science

Depressive Disorders and Suicide/Homicide
Bipolar Disorders
Anxiety Disorders
Trauma- and Stress-related Disorders
Disruptive and Dissociative Disorders
Feeding and Eating Disorders
Neurodevelopmental Disorders

Obsessive-Compulsive & Personality Disorders
Schizophrenia Spectrum Disorders
Substance Use and Addictive Disorders
Abuse and Neglect
Human Sexuality, Sleep, and Somatic Disorders
Pharmacology Essentials: Psychiatry



Infectious Diseases

Bacterial Diseases
Additional Bacterial Diseases
Fungal Diseases
Additional Fungal Diseases
Mycobacterial Diseases
Parasitic Diseases
Prion Diseases
Spirochetal Diseases
Viral Diseases
Sepsis and Prenatal Infection Transmission
Pharmacology Essentials: Infectious Diseases



Dermatologic System

Bacterial Infections, Acne Vulgaris, & Rosacea
Bullous Skin Diseases
Desquamation: EM, SJS, TEN & SSSS
Eczematous Eruptions
Papulosquamous Skin Diseases
Verrucous Lesions, Hair & Nail Conditions
Lice, Scabies, & Bed Bugs
Spider Bites, Bee Stings, & Tick Bites
Dermatology Neoplasms
Viral, Fungal, & Other Skin Conditions
Miscellaneous Benign Skin Conditions
Burns, Burn Classification, & Management
Cold Injuries
Vascular Abnormalities
Additional Dermatology Topics



Hematologic System

Anemia: Microcytic & of Chronic Disease

Anemia: Hemolytic, Aplastic, & Megaloblastic
Clotting Factor d/o & Hypercoagulable States
Thrombocytopenia (ITP, TTP, HUS, HIT, DIC)
Acute Leukemias & Chronic Leukemias
Lymphomas & Multiple Myeloma
Additional Hematology Topics
Pharmacology Essentials: Hematologic



Genitourinary System

GU Anatomy & Voiding Disorders
Bladder Disorders
Testicular Disorders
Prostate Disorders
Penile Disorders
Hematuria, Stones, & GU Trauma
GU Infectious Disorders
GU Congenital Disorders
GU Neoplasms



Renal System

Basic Kidney Function
Acute Kidney Injury
Glomerular Disorders
Chronic Kidney Disease
Acid/Base Disorders
Sodium and Fluid Homeostasis
Potassium, Calcium, and Magnesium
Renovascular Disorders
Renal Neoplasms
Structural and Congenital Disorders of the Kidney



Professional Practice

Basic Kidney Function
Acute Kidney Injury
Glomerular Disorders
Chronic Kidney Disease
Acid/Base Disorders
Sodium and Fluid Homeostasis
Potassium, Calcium, and Magnesium

Renovascular Disorders
Renal Neoplasms
Structural and Congenital Disorders of the Kidney

Additional Topics

Basic ECG Interpretation
Common STEMI Patterns
Subtle-Ts
STEMI Equivalents
Intro to Pharmacology & Pharmacotherapeutics
Pharmacology Review: Drug Categories & Safety
Preventative Pediatric Care: Age-Based Screening & Disease Prevention
Anticipatory Guidance: Prevention of Accidents and Injuries
Anticipatory Guidance: Outdoor Risks & Safety
Infant Nutrition: Breast Milk & Formula
Infant Nutrition, Allergies, & Intolerances
Growth in Infancy & Childhood
General Development
Age-Specific Development
Trauma - An Overview