



Cardiovascular

- Cardiopulmonary Arrest
- Tachydysrhythmias
- Bradydysrhythmias
- Acute Coronary Syndromes (non-STEMIs)
- Acute Coronary Syndromes (STEMIs)
- Heart Failure and Cardiomyopathy
- Myocardial and Pericardial Diseases
- Arterial and Venous Disorders
- Hypertension
- Valvular Disorders
- Congenital Heart Disease
- Cardiac Devices



Abdomen and Gastrointestinal

- Esophagus and GI Bleed
- Liver
- Biliary and Pancreas
- Functional/Anatomic Asplenia & Splenomegaly
- Splenomegaly (cont.)
- Infectious Inflammatory Diseases
- Small and Large Bowel
- Rectum and Anus



Thoracic Respiratory

- Upper Airway
- Chest Wall, Pleura, & Mediastinum
- Obstructive and Restrictive Diseases
- Pulmonary Infections
- ARDS and Pulmonary Hypertension
- Pulmonary Embolism



Neurology

- Cranial Nerve Disorders
- Headache

CNS Infections
Stroke
Seizure Disorders
Movement Disorders
Neuromuscular Disorders
Hydrocephalus
Other CNS Conditions



Eyes, Ears, Nose & Throat

Ear
Nose
Throat
Eye
 Superficial Trauma & Infections
 Deep Trauma/Infections, Chronic Findings



Musculoskeletal

Bony Abnormalities
Muscle Abnormalities
Joint Abnormalities: Arthritic
Joint Abnormalities: Non-Arthritic
Soft Tissue Infections
Overuse Syndromes
Spine
 Compression, Myelitis, & Osteomyelitis
 Disc Herniation, Sciatica, Inflammatory D/o



Dermatology

Commonly Tested Rashes
Commonly Tested Rashes Q&A
Urticaria & Diffuse Erythema
Purpura, Petechiae, & Bullae
Infections
Dermatitis
Skin Cancers & Derm Potpourri
Dermatology Review



Renal & GU

Acute Kidney Injury

Urinalysis
Hemolytic Uremic Syndrome
Chronic Kidney Disease
Urinary Tract Infection
Structural Disorders
Male Genitourinary Infections
Male Genital Structural Disorders



Obstetrics & Gynecology

Gynecologic Infectious Disorders and Lesions
Ovarian and Uterine Disorders
Other Pregnancy Complications
Labor and Delivery Complications
Postpartum Complications
Cervical and Vaginal Disorders
Vaginal Bleeding in Pregnancy
Hypertension in Pregnancy



Endocrine, Metabolic & Nutrition

Acid/Base
Glucose Metabolism, DKA, & Cerebral Edema
Type 2 Diabetes, HHS, & Hypoglycemia
Fluid & Electrolyte
Nutritional Disorders
Pituitary & Adrenal
Thyroid Disorders
Parathyroid Disorders

Electrolyte Emergencies

Hyperkalemia
Hypokalemia
Hyponatremia
Hypercalcemia
High/Low Magnesium



Hematology

Oral Anticoagulants
Blood Transfusion
Hemostatic Disorders

Inherited

Iatrogenic

Leukemia, Lymphoma, & Multiple Myeloma

Platelet Disorders

ITP, TTP, HUS, & HIS

DIC & Diagnostic Approach

Red Blood Cells & Anemia

Sickle Cell Anemia & Hematologic Crises



Immune System

Transplant-related Issues

Hypersensitivity Reactions

Immunologic Conditions

External Clues

Internal Findings

Review



Infectious Disorders

STIs, Mycobacteria, & Necrotizing Infections

Bacterial Diarrhea & Botulism

Fungal & Parasitic Diseases

Sepsis, TSS, Syphilis, & Tetanus

Tick-Borne Diseases

Viruses

EBV, influenza, HSV, & VZV

HIV, Rabies, & Biologic Weapons



Trauma

Multiple Trauma Resuscitation

Head Trauma

Facial Trauma

Neck and Spine Trauma

Chest Trauma

Abdominal Trauma

Genitourinary Trauma

Ophthalmologic Trauma

Soft Tissue Trauma

Special Populations

Hand Injuries

Forearm and Elbow Injuries
Wrist Injuries
Shoulder and Humerus Injuries
Knee and Lower Leg Injuries
Ankle and Foot Injuries
Pelvis/Hip/Femur Injuries



Toxicology

Analgesics
Ethanol and Toxic Alcohols
Anticholinergics
Anticoagulants
Anticonvulsants
Psychotropics
Antiemetics
Antimicrobials
Toxic Gases
Cardiovascular Drugs
Heavy Metals
Household and Industrial Chemicals
Hypoglycemics and Insulin
Poisonous Plants
Drugs of Abuse
Methemoglobinemia
Decontamination and Toxidromes
Cholinergic Agents



Psychobehavioral

Eating Disorders
Schizophrenia, Somatoform D/o, & Depression
Bipolar, Anxiety, and Panic Disorders
PTSD, OCD, Phobias, Personality Disorder
Delirium vs. Dementia, SUD, & Withdrawal



Environmental

Bites and Envenomations
Dysbarism
High-altitude Illness

Cold-Related Illness
Submersion Incidents
Heat-Related Illness
Thermal Injury
Electrical and Radiation Injuries



Ultrasound

FAST Exam
Biliary
AAA - Abdominal Aortic
Renal
Cardiac
Intrauterine Pregnancy
Ocular



Pediatric Emergencies

Pediatric Overview
Pediatric Resuscitation
Neonate and Young Infant Emergencies
Neonatal Advanced Life Support
Pediatric Fever
Pediatric Respiratory Emergencies
Pediatric Neurologic Emergencies
Pediatric Endocrine and Metabolic Emergencies
Pediatric GI Emergencies
Pediatric GU Emergencies
Pediatric Hematologic Emergencies
Pediatric Orthopedics
Pediatric Dermatology



EMS and Disaster Medicine

The History of EMS
Transportation, EMTALA, & Advanced Directives
Termination of Resuscitation, Medical Control
Disaster Medicine
Terrorism



Procedures

Thoracotomy & Deep Dive

Cricothyrotomy & Deep Dive
Lateral Canthotomy & Deep Dive
Chest Tube Placement & Deep Dive
Transvenous Pacemaker

MyEMCert

MyEMCert

Intro to MyEMcert Modules

Key Advances:

- ACEP Seizure Patients
- ACEP Acute Headache
- AHA ACLS Updates 2018/19
- ACEP Opioids
- AHA PALS 2019
- Adult Patients with Community Acquired PNA
- Practice Advances: HEART Score
- Practice Advances: Stroke
- Practice Advances: Oxygen for MI
- 2020 Update on Neonatal Resuscitation
- Practice Advances: HFNC in Respiratory Failure
- Practice Advances: Anticoagulant Reversal
- Demystifying Lactate in the ED
- Pregnancy-Induced Hypertension
- Improving Pediatric Readiness in the ED
- Outpatient Treatment for Pulmonary Embolism
- VL for intubation of Adult Patients in the ED



ECG Review

- Common STEMI Patterns
- Subtle-Ts
- STEMI Equivalents
- Pulmonary Embolism
- STEMI Mimics: Pericarditis
- STEMI Mimics: Benign Early Repolarization
- STEMI Mimics: LVH with strain
- Syncope: Hypertrophic Cardiomyopathy
- Syncope: Brugada
- Syncope: WPW
- Syncope: Long QT