

# Common and Urgent Conditions to Prioritize in Your Studies

The following list is not meant to be comprehensive or exact. It may vary depending on the city or country in which you practice. These are conditions I have encountered most frequently and believe are particularly important for medical students to focus on and study in greater depth. This is the first version of the list and will likely require modifications based on the comments and feedback I receive from you.

Please note that the classification used in this list is not rigid, nor does it imply that these conditions are managed exclusively by the listed specialties. It is intended solely to improve readability.

## Inpatient

### Pulmonology

- COPD Exacerbation
- Asthma Attack
- Community-Acquired Pneumonia (CAP)
- Pulmonary Embolism
- Hemoptysis: Initial Evaluation and Management
- Respiratory Failure: Mechanical Ventilation for Non-Internist
- Pleural Effusion: Initial Evaluation and Management
- Pneumothorax: initial Evaluation and Management

### Endocrinology

- Diabetic Ketoacidosis (DKA)
- Hyperglycemic Hyperosmolar State (HHS)
- Hypoglycemia: Initial Evaluation and Management
- Inpatient BS Control
- Hypercalcemia and Hypocalcemia
- Adrenal Crisis

### Rheumatology and Immunology

- Anaphylaxis and Angioedema
- Vasculitis: Suspicion and Diagnosis and Emergencies
- Emergencies of Collagen Vascular Diseases
- Arthritis: Initial Evaluation and Management

## Hepatology and Gastroenterology

- Upper and Lower GI Bleeding
- Acute Liver Injury/Failure
- Inflammatory Bowel Disease: Manifestation and Diagnosis
- Complications of Cirrhosis
  - Variceal Bleeding
  - Hepatorenal Syndrome
  - Hepatic Encephalopathy
  - Ascites
- Acute Pancreatitis
- Infectious Gastroenteritis
- Biliary Disease
- Caustic Injury
- Acute Appendicitis
- Acute Intestinal Obstruction

## Hematology and Oncology

- Transfusion Medicine
- Oncologic Emergencies
  - Neutropenic Fever
  - Tumor Lysis Syndrome
  - SVC Syndrome
- Acute Leukemias for the Primary Care Provider
- Chronic Leukemia for the Primary Care Provider
- Anemia and Pancytopenia: Initial Evaluation and Management
- Disseminated Intravascular Coagulation (DIC)

## Nephrology

- Intravenous Fluid and Hypovolemic Shock
- Hypokalemia and Hyperkalemia
- Hyponatremia and Hypernatremia
- Phosphorus and Magnesium Disorders
- Acid-Base Disorders
- Acute Kidney Injury
- Chronic Kidney Injury
- Acute Renal Replacement Therapy
- Glomerular Diseases: Initial Evaluation and Management
- Urinary Tract Infections (UTIs)
- Missed Hemodialysis/Access Failure/Catheter-Related Infection

## General Internal Medicine

- Chest Discomfort
- Abdominal Pain
- Acute Confusional State
- Approach to the Poisoned Patient
- Opioid Poisoning
- TCA Poisoning
- Acetaminophen Poisoning
- Methanol Poisoning
- Benzodiazepine Poisoning
- Cutaneous Drug Reactions
- Dyspnea, Hypoxia, and Cyanosis
- Deep Vein Thrombosis
- Nausea and Vomiting
- Jaundice
- Pain Control and Addiction
- Management and Complication of Bites

## Cardiology

- Acute Coronary Syndrome
- Decompensated Heart Failure and Pulmonary Edema
- Pericarditis, Pericardial Effusion, and Tamponade
- Endocarditis: Diagnosis and Initial Evaluation
- Hypertensive Emergencies
- Arrhythmia Emergencies

## Infectious Diseases

- Meningoencephalitis
- Sepsis and Septic Shock
- COVID-19
- Influenza
- Malaria
- Kala-azar
- Clostridioides difficile Infection
- Skin and Soft Tissue Infection
- Intraabdominal Infections

## Neurology

- CVA and TIA
- Seizure and Epilepsy
- Headache
- Acute Weakness
- Neuroimmunology Emergencies
  - Guillain-Barre Syndrome
  - Multiple Sclerosis
  - Myasthenia Gravis
  - Optic Neuritis

# Outpatient

## Pulmonology

- COPD: Diagnosis and Management
- Asthma: Diagnosis and Management
- Acute and Chronic Cough

## Endocrinology

- Diabetes: Diagnosis and Management
- Hypothyroidism
- Osteoporosis and Vitamin D Deficiency
- Obesity and Metabolic Syndrome
- Dyslipidemia
- Sexual Dysfunction
- PCOS
- Cushing and Acromegaly: Suspicion and Screening
- Hyperprolactinemia
- Thyroid Nodule

## Hepatology and Gastroenterology

- Gastroesophageal Reflux Disease (GERD)
- Peptic Ulcer Disease
- Indigestion
- Unintentional Weight Loss
- Fatty Liver
- Chronic Liver Disease Monitoring
- Irritable Bowel Syndrome (IBS)
- Constipation
- Diarrhea
- Anal Fissure and Hemorrhoidal Disease
- Halitosis

## Rheumatology and Immunology

- Rheumatoid Arthritis: Diagnosis and Initial Management
- Rheumatologic Tests for Primary Care Physicians
- Aphthous Evaluation and Behcet Syndrome
- Gout
- Osteoarthritis
- Fibromyalgia
- Periarticular Disorders

## Hematology and Oncology

- Thalassemia
- Iron Deficiency Anemia (IDA)
- Megaloblastic Anemias
- Hemolytic Anemias (Including Sickle Cell Disease and G6PD-D)
- Multiple Myeloma: Diagnosis
- Polycythemia Evaluation
- Cancer Screening
- Immune Thrombocytopenic Purpura (ITP)
- Lymphadenopathy or Splenomegaly: Evaluation

## Nephrology

- Proteinuria
- Hematuria
- Edema
- Nephrolithiasis
- Chronic Kidney Disease

## Cardiology

- Hypertension
- Heart Failure Management
- Ischemic Heart Disease (IHD)
- Palpitation
- Atrial Fibrillation

## Infectious Diseases

- Cellulitis
- Otitis
- Sinusitis
- Common Cold
- Brucellosis
- Leptospirosis
- Tuberculosis
- Chickenpox and Shingles
- Sexually Transmitted Diseases (STDs)

## Neurology and Psychiatry

- Vertigo
- Syncope
- Tremor
- Back Pain
- Neck Pain
- Fatigue
- Sleep Disorders
- Dementia
- Major Depressive Disorders (MDD)
- Generalized Anxiety Disorder (GAD)
- Suicidal Ideation and Attempt
- Nicotine and Smoking Cessation
- Opium Addiction

## Dermatology

- Urticaria
- Eczema
- Cutaneous Leishmaniasis
- Hirsutism
- Psoriasis
- Acne

If you have any feedback or comments, feel free to contact me at [amirmoghorbani@gmail.com](mailto:amirmoghorbani@gmail.com). I would be happy to add or remove conditions from this list with your input. Please note that this list focuses on clinical conditions, and does not include skills such as basic ECG interpretation, CXR reading, or cardiopulmonary resuscitation (CPR).

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