



General Medicine

General Medicine

Overview

General Medicine Course at Mediversal Academy is your gateway to a fulfilling and impactful career in healthcare. Designed for aspiring medical professionals, this comprehensive program equips you with the knowledge, skills, and practical experience needed to excel in the dynamic field of general medicine.

With a curriculum that spans a wide spectrum of medical topics, expert faculty members, and hands-on training opportunities, our course prepares you to provide primary healthcare services effectively. Whether you're a recent graduate or an experienced healthcare professional looking to expand your horizons, our General Medicine Course is your stepping stone to a successful and rewarding career.



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Cardiology

Cardiology

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Cardiac Diseases

- Definition – Heart Failure
- Pathophysiology – Heart Failure
- Types – Heart Failure
- Causes and Symptoms – Heart Failure
- Testing on Patients and Therapy – Heart Failure
- Classification – Congenital Heart Disease
- Obstructive Congenital Heart Lesions – Congenital Heart Disease
- Congenital Heart Lesions – Congenital Heart Disease
- Conclusion – Congenital Heart Disease
- Anomalous Coronary Arteries – Congenital Heart Disease
- Changing Concepts – Valvular Heart Disease
- Aortic Stenosis – Valvular Heart Disease
- Bicuspid Aortic Valve – Valvular Heart Disease
- Aortic Sclerosis – Valvular Heart Disease
- Aortic Regurgitation – Valvular Heart Disease
- Mitral Stenosis and Mitral Regurgitation – Valvular Heart Disease
- Tricuspid Regurgitation – Valvular Heart Disease
- Pbvlaque – Coronary Artery Disease
- Acute Coronary Syndrome – Coronary Artery Disease
- Six Areas of Consensus – Coronary Artery Disease
- Four Areas of Controversy – Coronary Artery Disease
- Diseases of the Heart Muscle – Cardiomyopathy
- Dilated Cardiomyopathy – Cardiomyopathy
- Secondary Dilated Cardiomyopathy – Cardiomyopathy
- Hypertrophic Cardiomyopathy – Cardiomyopathy
- Restrictive Cardiomyopathy – Cardiomyopathy
- Therapy – Cardiomyopathy
- Reading ECGs and Identifying Arrhythmias – Cardiac Dysrhythmia

- Conduction System – Cardiac Dysrhythmia
- ECG Trace – Cardiac Dysrhythmia
- Sinus, Atrial and Ventricular Rhythm – Cardiac Dysrhythmia
- Reading ECGs – Cardiac Dysrhythmia
- Complications of Hypertension – Hypertension
- Therapy – Hypertension
- Diuretics – Hypertension
- Renin Angiotensin Aldosterone System – Hypertension
- Beta and Calcium Channel Blockers – Hypertension
- Other Forms of Therapy – Hypertension
- Cardiac Trauma
- Cardiac Tumors

Electrocardiogram (ECG) Interpretation

- How to Read an Electrocardiogram (ECG): Introduction
- Cardiac Action Potential
- Standard 12 Lead ECG
- Systematic ECG Interpretation
- ECG Case: 22-year-old Man with Anterior Chest Pain
- Review of Normal ECG
- ECG of Myocardial Infarction (MI): STEMI vs. NSTEMI
- ECG of Inferior Myocardial Infarction (MI)
- ECG of Anterior Myocardial Infarction (MI)
- Abnormal Q Waves: ECGs of Healed Myocardial Infarction (MI)
- Abnormal T Waves: Differentiating Pericarditis from Myocardial Infarction (MI)
- ECG Case: 67-year-old Diabetic Man with Low Blood Pressure

- ECG Case: 17-year-old Man with Pressure Feeling under Sternum
- ECG of Ventricular Hypertrophy
- ECG of Atrial Enlargement
- ECG Case: 52-year-old Man with Shortness of Breath
- ECG Case: 44-year-old Woman with Shortness of Breath and Fatigue
- Review of Cardiac Conduction System
- Bundle Branch and Fascicular Blocks
- ECG Case: 70-year-old Man with Acute Anterior MI
- Sick Sinus Syndrome and Sinus Exit Block
- First-degree AV Blocks
- Second-degree AV Blocks
- Third-degree AV Blocks
- ECG Case: 88-year-old Man with Syncope
- Supraventricular Arrhythmias: Introduction
- ECG of Atrial Premature Beats
- ECG of Supraventricular Tachycardia
- ECG of Atrial Flutter and Fibrillation
- ECG of Nodale Extra Systoles
- ECG Case: 80-year-old Woman with Palpitations and Shortness of Breath
- Types of Pacemaker
- How to Read a Pacemaker ECG
- Implantable Cardiac Defibrillator (ICD) Pacemaker
- ECG Case: 77-year-old Man with Pacemaker
- ECG of Premature Ventricular Contraction (PVC)
- ECG of Ventricular Tachycardia and Cardiac Arrest
- ECG of Torsades de Pointes
- ECG Case: 40-year-old Woman with 'Extra Heart Beats'
- Effects of Electrolyte Abnormalities on the ECG
- Effects of Drugs on the ECG
- ECG Case: 65-year-old Man with CRF Misses Dialysis

- How to Read an ECG: Conclusion
- Power ECG Case Session

Cardiovascular Cases

- Cardiac Case: 57-year-old Man with Substernal Chest Pain
- Cardiac Case: 62-year-old Woman with Fever and Epigastric Discomfort
- Cardiac Case: 44-year-old Man with Indigestion during Exertion
- Cardiac Case: 46-year-old Woman with Shortness of Breath when Walking
- Cardiac Case: 77-year-old Man with Shortness of Breath and Palpitations
- Cardiac Case: 76-year-old Man with COPD and Sudden Increase in Shortness of Breath
- Cardiac Case: 19-year-old Man with Central Chest Pain Worsening when Breathing
- Cardiac Case: 55-year-old Man with Sudden Anterior Chest Pain Radiating to Back
- Cardiac Case: 82-year-old Man with Syncope
- Cardiac Case: 54-year-old Woman with Breast Cancer and Dyspnea
- Cardiac Case: 45-year-old Man with Alcohol Intake after Minor Traffic Accident
- Cardiac Case: 21-year-old Woman with Fatigue and Shortness of Breath when Exercising
- Cardiac Case: 56-year-old Man with Dyspnea and Ankle Edema
- Cardiac Case: 86-year-old Woman with Shortness of Breath during Annual Checkup
- Cardiac Case: 72-year-old Man with Dyspnea at Rest and Inability to Lie Flat

- Cardiac Case: 18-year-old Woman with Murmur
- Cardiac Case: 68-year-old Woman with Murmur and Abnormal Heart Valve
- Cardiac Case: 24-year-old Man with Asymptomatic Murmur
- Cardiac Case: 67-year-old Woman with Cardiac Arrest
- Cardiac Case: 18-year-old Woman with Fast Heart Beat and Shortness of Breath
- Cardiac Case: 79-year-old Man with Pacemaker and Recent Dental Procedure
- Cardiac Case: 22-year-old Woman with Fever and Ankle Edema after Long-term Heroin Abuse
- Cardiac Case: 61-year-old Man with Substernal Chest Discomfort, Shortness of Breath and Diffuse Sweating
- Cardiac Case: 17-year-old Man with High Blood Pressure
- Cardiac Case: 42-year-old Woman with Joint Discomfort, Low Grade Fever, and Dyspnea
- Cardiac Case: 62-year-old Man with Shortness of Breath and Peripheral Edema
- Cardiac Case: 22-year-old Woman with Leg Edema, Dyspnea and Fatigue
- Cardiac Case: 38-year-old Woman with Shortness of Breath and Inability to Lie Flat after Childbirth
- Vascular Case: 72-year-old Man with Foot Pain and Gangrenous Left Hallux
- Vascular Case: 37-year-old Man with Elevated Blood Pressure after Motor Vehicle Accident

Vascular Medicine

Arterial Diseases

- Atherosclerosis: Definition
- Atherosclerosis: Etiology
- Atherosclerosis: Pathogenesis
- Atherosclerosis: Histopathologic Consequences
- Atherosclerosis: Diagnosis
- Atherosclerosis: Therapy
- Atherosclerosis: Summary
- Buerger's Disease: Definition and Etiology
- Buerger's Disease: Symptoms and Therapy
- Raynaud's Disease: Case, Definition & Pathogenesis
- Raynaud's Disease: Symptoms, Diagnosis and Therapy
- Buerger's and Raynaud's Disease: Summary
- Peripheral Artery Disease: Definition
- Peripheral Artery Disease: Pathogenesis
- Peripheral Artery Disease: Summary
- Aortic Aneurysm: Example
- Aortic Aneurysm: Definition
- Aortic Aneurysm: Etiology
- Aortic Aneurysm: Diagnosis
- Aortic Aneurysms: Summary
- Dissection of the Aorta: Etiology
- Dissection of the Aorta: Symptoms
- Dissection of the Aorta: Therapy
- Renal Stenosis and Fibromuscular Dysplasia
- Dissection and Renal Artery Stenosis: Summary
- Hypertension: Example

- Hypertension: Definition & Forms
- Hypertension: Pathogenesis and Symptoms
- Hypertension: Etiology (Neural Blood Pressure Control Mechanisms)
- Hypertension: Etiology (Humoral Blood Pressure Control Mechanisms)
- Hypertension: Etiology (Risk Factors)
- Hypertension: Symptoms
- Hypertension: Epidemiology
- Hypertension: Summary
- Hypotension and Shock: Definition
- Hypotension and Shock: Pathogenesis
- Hypotension and Shock: Therapy
- Hypotension and Shock: Summary

Venous Diseases

- Venous Diseases: Overview
- Thrombosis: Examples
- Thrombosis: Consequences of Venous Thromboembolism
- Thrombosis: Summary
- Varicose Veins: Definition
- Varicose Veins: Etiology
- Varicose Veins: Pathogenesis
- Varicose Veins: Symptoms
- Varicose Veins: Diagnosis
- Varicose Veins: Summary
- Deep Vein Thrombosis: Definition
- Deep Vein Thrombosis: Epidemiology
- Deep Vein Thrombosis: Etiology
- Deep Vein Thrombosis: Risk Factors
- Deep Vein Thrombosis: Pathogenesis

- Deep Vein Thrombosis: Symptoms
- Deep Vein Thrombosis: Therapy
- Deep Vein Thrombosis: Summary
- Pulmonary Embolism: Definition
- Pulmonary Embolism: Diagnosis
- Pulmonary Embolism: Pulmonary Contrast Angiogram
- Pulmonary Embolism: Summary

Inflammatory Vascular Diseases

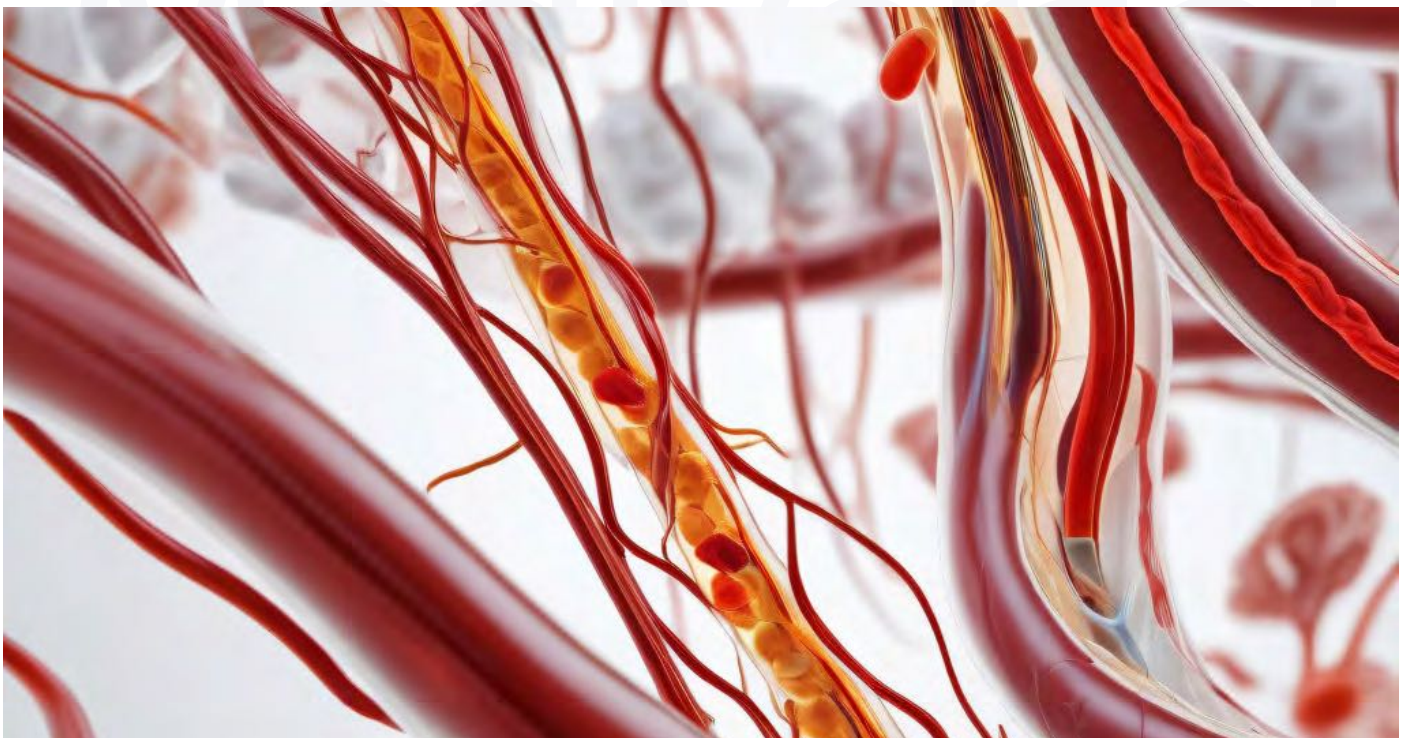
- Inflammatory Vascular Diseases: Definition
- Inflammatory Vascular Diseases: Classification
- Inflammatory Vascular Diseases: Summary
- Polyarteritis Nodosa
- Kawasaki Disease
- Giant Cell Arteritis

Vascular Malformations

- Vascular Malformations: Definition
- Non-neoplastic Vascular Malformations – Vascular Malformations
- Cavernomas – Vascular Malformations
- Congenital Vascular Malfunctions of the Aorta – Vascular Malformations
- Vascular Malformations: Summary

Diseases of the Lymphatic System

- Diseases of the Lymphatic System: Definition
- Starling's Law of the Capillary
- Components of the Lymphatic System
- Structure of Lymphatic Vessels
- Congenital Lymphatic Malformations
- Conditions with Tissue Edema
- Diseases of the Lymphatic System: Summary



Clinical Ethics

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- Patient Confidentiality and Privacy 06 Videos
- Organ and Tissue Donations 04 Videos
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- Breaking Serious News and Advance Care Planning 17 Videos
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Introduction to Clinical Ethics

- Introduction to Ethics
- Virtue Ethics Theory
- Introduction to Ethical Principles
- Principle of Respect for Autonomy
- Principle of Nonmaleficence
- Principle of Beneficence
- Principle of Justice
- Applying Ethical Principles to a Case
- Ethic of Care
- Casuistry
- Ethics and Professionalism
- Developing Moral Maturity
- Ethical Dilemma and Legal Implications
- Framework to Solve an Ethical Dilemma
- Clinical Ethics Consultation

Communication with Patients and within the Health Care Team

- Therapeutic Relationship and Communication with Patients
- Boundary Crossings
- Boundary Violation
- Boundary Crossings and Violations in Special Situations
- Team-based Health Care
- Types and Characteristics of Health Care Teams
- Development of Health Care Teams
- Leadership and Just Culture in Health Care Teams

- Being a Successful Team Member

Informed Consent and Capacity

- Introduction to Informed Consent
- Elements of Informed Consent
- Strategies to Aid Understanding
- Consent and Refusal
- Shared Decision-making
- Patients Lacking Decision-making Capacity
- Exceptions to Informed Consent
- Decision-making for Minors
- Key Points about Informed Consent
- Introduction to Decision-making Capacity
- Assessment of Decision-making Capacity
- Threshold Level of Decision-making Capacity
- Influences on Decision-making Capacity
- Decision-making Capacity in Special Groups
- Mature Minors
- Case: Determining Decision-making Capacity of a 38-year-old Woman with Abdominal Pain

Patient Confidentiality and Privacy

- Introduction to Patient Confidentiality and Privacy
- Documenting Patient Information
- Access to Patient Information
- Disclosure of Patient Information

- Confidentiality and Privacy of Patients with Limited Capacity
- Breach of Patient Confidentiality and Privacy

Organ and Tissue Donations

- Ethical Principles in Organ Donation
- Ethical Controversies in Organ Donation
- The AMA Code of Medical Ethics on Organ Donation
- Case Discussion for Organ Donation

Medical Errors

- Introduction to Medical Errors
- Root Causes and Types of Medical Errors
- Impact of Medical Errors
- Case Discussion for Medical Errors

Resource Allocation

- Introduction to Resource Allocation
- Practical Applications for Resource Allocation
- Case Discussions for Resource Allocation

Clinical Research Ethics

- Responsible Conduct of Clinical Research
- Scientific Validity and Authorship in Clinical Research
- Misconduct in Clinical Research
- Translational Pathway and Ethical Principles in Human Subjects Research
- Respect for Persons – Ethical Principles in Human Subjects Research

- Beneficence – Ethical Principles in Human Subjects Research
- Justice – Ethical Principles in Human Subjects Research
- Ethical Responsibilities of Clinician Investigators
- Protecting the Rights and Interests of Human Research Participants
- Independent Ethical Review of Clinical Research

Breaking Serious News and Advance Care Planning

- Skills for Breaking Serious News
- Setting up the Meeting – How to Break News
- Perception of the Patient – How to Break News
- Invitation to Share Information – How to Break News
- Knowledge and Information – How to Break News
- Responding to the Patient's Emotions – How to Break News
- Strategy and Summary – How to Break News
- Discussing Goals of Care: Why
- Discussing Goals of Care: Who
- Discussing Goals of Care: What
- Discussing Goals of Care: Where
- Discussing Goals of Care: When
- Discussing Goals of Care: How
- Introduction to Advance Care Planning
- Types of Advance Directives
- Problems with Advance Directives
- Recommendations for Advance Care Planning

Surrogate Decision Making and Family Meetings

- Introduction to Surrogate Decision Making
- Standards for Surrogate Decision Making
- Accuracy of Surrogate Decision Making
- Facilitating Surrogate Decision Making
- Conflicts between Surrogates
- Introduction to Family Meetings
- Preparation of a Family Meeting
- Start of a Family Meeting
- Discussion in a Family Meeting
- Conclusion of a Family Meeting
- Documentation of a Family Meeting

Ethical Considerations for Life-sustaining Treatments

- Ordinary and Extraordinary Treatments
- Withholding and Withdrawing Treatment
- Trial of Therapy
- Surrogate Evaluation
- Introduction to Do Not Attempt Resuscitation (DNAR) Orders
- Prognosis of Cardiopulmonary Resuscitation (CPR)
- Patient's Decision against CPR
- Important Considerations for DNAR Orders

Ethical Considerations in Palliative Care

- Introduction to Potentially Inappropriate Treatments and Futile Treatments
- Futile Treatment
- Persistent Vegetative State
- Minimally Conscious State
- Death by Neurologic Criteria
- Doctrine of Double Effect
- Palliative Sedation
- Artificial Nutrition and Hydration
- Voluntary Stopping Eating and Drinking
- Overview of Medical Aid in Dying
- Attitudes and Arguments for and against Medical Aid in Dying
- Determining the Clinician's Accountability
- Responding to Requests for Medical Aid in Dying



Clinical Neurology

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- CNS Infections 24 Videos
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Acquired Neuromuscular Diseases

- Introduction to Myopathy
- Case: 54-year-old Woman with Weakness
- Clinical Approach to Muscle Disorders
- Myopathy and Myositis: Diagnosis
- Evaluation of Muscle Diseases
- Introduction to Inflammatory Myopathies with Case
- Inflammatory Myopathies: Types
- Creatine Kinase Evaluation
- Polymyositis
- Dermatomyositis
- Inclusion Body Myositis
- Necrotizing Autoimmune Myositis
- Overlap Myopathies
- Antibody Assessments – Inflammatory Myopathies
- Management of Inflammatory Myopathies
- Polymyalgia Rheumatica (PMR) – Inflammatory Myalgia
- Introduction to Infectious Myopathies with Case
- HIV-associated Myositis – Infectious Myopathies
- Pathogen Myositis with Trichinella – Infectious Myopathies
- Toxic Myopathies with Case
- Hypothyroid and Hyperthyroid Myopathy
- Statin Myopathy
- Corticosteroid Myopathy
- Critical Illness Myopathy and Other Causes for Myopathy
- Rhabdomyolysis
- Other Metabolic Muscle Diseases

Hereditary Neuromuscular Disorders

- Inherited Muscle Disorders: Evaluation
- Inherited Myopathies: Types
- Muscular Dystrophies
- Introduction to Proximal Predominant Muscular Dystrophies
- Case: 6-year-old Boy with Weakness
- X-linked Dystrophinopathies and Duchenne Muscular Dystrophy
- Becker Muscular Dystrophy and Limb-girdle Muscular Dystrophy (LGMD)
- Distal Predominant Muscular Dystrophies
- Other Muscular Dystrophies
- Case: 5-month-old Girl with Weakness
- Evaluation of the Hypotonic Infant
- Congenital Muscular Dystrophy and Congenital Myopathy

Disorders of the Neuromuscular Junctions

- General Approach to Neuromuscular Junction Disorders
- Case: 32-year-old Woman with Weakness
- Physiology of the Neuromuscular Junction
- Neuromuscular Junction Disorders: Clinical Features and Pathophysiology
- Neuromuscular Junction Disorders: Summary
- Case: 32-year-old Woman with Weakness and Sustained Upgaze
- Myasthenia Gravis: Introduction and Clinical Features
- Myasthenia Gravis: Clinical and Serological Tests – Diagnosis
- Myasthenia Gravis: Repetitive Stimulation – Diagnosis

- Myasthenia Gravis: Antibody Testing – Diagnosis
- Myasthenia Gravis: Treatment
- Case: 72-year-old Woman with Weakness
- Botulinum Toxin Toxicity: Overview
- Botulinum Toxin Toxicity: Pathophysiology and Treatment
- Case: 42-year-old Man with Weakness
- Lambert Eaton Myasthenic Syndrome (LEMS): Overview
- Lambert Eaton Myasthenic Syndrome (LEMS): Workup and Testing
- Lambert Eaton Myasthenic Syndrome (LEMS): Pathophysiology and Treatment
- Organophosphate Poisoning
- Transient Neonatal Myasthenia
- Congenital Myasthenic Syndrome (CMS)

Peripheral Neuropathies

- Introduction to Neuropathy Disorders
- Acute Inflammatory Demyelinating Polyneuropathy (AIDP)
- Chronic Inflammatory Demyelinating Polyneuropathy (CIDP)
- Other Non-inflammatory Neuropathies
- Toxic and Metabolic Polyneuropathies

Diseases of the Spinal Cord

- Case: 45-year-old Man with Bilateral Lower Extremity Weakness and Numbness
- Introduction to Spinal Cord
- Myelopathy
- Case: 53-year-old Woman with Progressive Weakness and Balance Difficulty

- How to Approach Spinal Cord Pathology (Macro)
- How to Approach Spinal Cord Pathology (Micro)
- Continuation of Case: 53-year-old Woman with Progressive Weakness and Balance Difficulty
- Case: 58-year-old Woman with Weakness and Neck Pain
- Intradural Extramedullary Myelopathy
- Case: 50-year-old Woman with Lower Extremity Weakness
- Intradural Intramedullary Myelopathy
- Case: 53-year-old Man with Numbness in Lower Extremities
- Myelopathy – Vascular Disorders with Case
- Case: 22-year-old Woman with Back Pain and Autonomic Symptoms
- Myelopathy – Conus Medullaris vs. Cauda Equina
- Case: 45-year-old Man with Lower Extremity Weakness
- Toxic and Metabolic Causes of Myelopathy
- Vitamin B12 Deficiency Myelopathy
- Case: 57-year-old Woman with Leg and Back Pain
- Radiculopathy

Diseases of the Motorm Neurons

- Case: 56-year-old Woman with Left Extremity Weakness
- Introduction to Motor Neurons and Motor/Sensory Pathways
- Upper and Lower Motor Neuron Diseases: Clinical Manifestations
- Upper and Lower Motor Neuron Etiology
- Upper and Lower Motor Neuron Diseases: Diagnosis and Management
- Case: 53-year-old Man with Generalized Weakness
- Upper and Lower Motor Neuron Diseases: Differential Diagnosis
- Amyotrophic Lateral Sclerosis (ALS) and Other Motor Neuron Diseases

Multiple Sclerosis (MS) & Inflammatory Disorders of the CNS

- Introduction to Neuroinflammatory Disorders
- Neuroinflammatory Disorders: Classification
- Overview of CNS Inflammatory Diseases
- Case: 51-year-old with Left Hand Numbness
- Clinically Isolated Syndrome: Clinical Manifestations and Classification
- Clinically Isolated Syndrome: Diagnostics and Treatment
- Acute Disseminated Encephalomyelitis (ADEM)
- Case: 21-year-old Woman with Blurry Vision
- Multiple Sclerosis (MS): Pathophysiology and Clinical Manifestations
- Multiple Sclerosis (MS): Diagnosis and Evolution of Disease
- Multiple Sclerosis (MS): Management
- Neuromyelitis Optica (NMO)
- MOG Ab Disorder
- MS, NMO, MOG Disorder

Stroke: Introduction and Types

- Stroke: Introduction and Types
- Overview of Ischemic and Hemorrhagic Stroke
- Stroke: Pathophysiology
- Case: 45-year-old Man Presenting with a Stroke – Diagnosis
- Clinical Assessment of Stroke
- Clinical Question: Anterior or Posterior Circulation Stroke?
- Clinical Question: Cortical, Subcortical or Brainstem Localization?
- Stroke: Localization

- Case: 45-year-old Man Presenting with a Stroke – Management
- Acute Ischemic Stroke: Management and Evaluation
- Clinical Question: Acute or Mimic Stroke?
- Clinical Question: tPA or Endovascular Therapy?
- NIH Stroke Scale (NIHSS)
- Acute Ischemic Stroke: Major Treatment Types
- Case: 45-year-old Man Presenting with a Stroke
- Stroke: Evaluating Stroke Extension
- Stroke: Work-up and Etiology
- Stroke: Complications
- Management of the Case: 45-year-old Man Presenting with a Stroke
- Stroke: Pharmacological Prevention
- Case: 35-year-old Presenting with Hemiplegia
- Intracranial Hemorrhage: Types and Epidural Hematoma
- Intracranial Hemorrhage: Subdural Hematoma and Subarachnoid Hemorrhage
- Intracranial Hemorrhage: Intraparenchymal, Intraventricular, Hypertensive, and Transformation Hemorrhage
- Intracranial Hemorrhage: Evaluation
- Intracranial Hemorrhage: Management
- Intracranial Hemorrhage: Amyloid Angiopathy, Vascular Lesions, and Neoplasms
- Intracranial Hemorrhage: Evaluation and Summary

Seizures & Epilepsy

- Seizures, Epilepsy, and Spells: Introduction and Differentiation
- Seizures: Types and Classification
- Seizures: Mechanisms
- Seizures: Semiology
- Epilepsy: Diagnosis and Syndromes

- Seizures: Evaluation and Functionality of the EEG
- Seizures: Treatment
- Diagnosis and Evaluation of a Spell with Case
- Review of Seizure Systems
- Differentiating Seizure from Syncope and from Psychogenic Nonepileptic Spells (PNES)
- Evaluation of Seizure-like Episodes
- Case: 45-year-old Man with a Seizure-like Episode
- Seizure: Classification and Focal vs. Generalized Onset
- First-time Seizure: Evaluation, History, and Examination
- Second Seizure: History and Forms of Screening
- Second Seizure: Summary and Precautions
- Case: 57-year-old Man with a History of Epilepsy
- Status Epilepticus: Evaluation, Prognosis, and Classification
- Status Epilepticus: Emergency Treatment, Initial Investigation and Long-term Treatment
- Status Epilepticus: Stages and Pathophysiology
- Status Epilepticus: Treatment and Types
- Case: 13-year-old Boy on Referral from His PCP
- Epilepsy Syndrome: Introduction and Classification
- Idiopathic Generalized Onset and Idiopathic Focal Onset Epilepsies
- Symptomatic Epilepsies
- Case: 57-year-old Woman with Seizure-like Episodes
- Partial Onset Epilepsy: Treatment
- Medication for Focal Onset and Primary Generalized Epilepsy – Seizure Treatment
- Common Seizure Medications – Seizure Treatment
- Top 10 Seizure Treatment Tips with Cases

Head Trauma

- Case: 68-year-old Man with Progressive Altered Mental Status
- Head Trauma: Introduction and Diffuse Axonal Injury
- Head Trauma: Clinical Manifestations and Glasgow Coma Scale
- Head Trauma: Diagnosis and Management
- Traumatic Brain Injury: Introduction
- Traumatic Brain Injury: Diagnosis
- Mild and Sport-related Traumatic Brain Injury
- Traumatic Brain Injury: Chronic Traumatic Encephalopathy
- Traumatic Brain Injury: Management
- Case: 6-year-old Girl Hits Her Head
- Epidural Hematoma: Etiology, Clinical Presentation, and Diagnosis
- Epidural Hematoma: Management
- Case: 68-year-old Man with Progressive Altered Mental Status and Gaze
- Subdural Hematoma: Etiology and Clinical Presentation
- Subdural Hematoma: Diagnosis and Management
- Case: 43-year-old Woman with Altered Mental Status
- Subarachnoid Hemorrhage: Etiology, Clinical Manifestations, and Diagnosis
- Subarachnoid Hemorrhage: Management

CNS Infections

- Bacterial Meningitis: Introduction and Symptoms
- Bacterial Meningitis: Examination
- Bacterial Meningitis: Diagnosis
- Case: 76-year-old Woman with Headache – Follow Up
- Bacterial Meningitis: Treatment
- Viral and Non-bacterial Meningitis

- Case: 61-year-old Man with Headache
- Encephalitis: Introduction and Symptoms
- Encephalitis: Examination
- Other Viral Encephalitis
- Encephalitis: Treatment
- Case: 56-year-old Man with Headache
- Cerebritis and Brain Abscess
- Case: 58-year-old Woman with Headache
- Cryptococcal Meningitis
- Toxoplasmic Meningitis
- Neurocysticercosis: Introduction
- Neurocysticercosis: Life Cycle, Presentation, and Disease Stages
- Neurocysticercosis: Treatment

Parkinson Disease & Movement Disorders

- Introduction to Parkinson Disease
- Idiopathic Parkinson Disease
- Parkinson-Plus Syndromes
- Non-parkinsonian Movement Disorders

Dementia & Amnestic Conditions

- Introduction to Dementing Diseases
- Alzheimer Dementia
- Other Dementias

CNS Tumors

- Brain Tumors: Introduction, Classification, and Diagnostic Evaluation
- Case: 32-year-old-Woman with Bradyphrenia
- Metastatic Brain Tumors: Introduction
- Metastatic Brain Tumors: Surgery – Treatment
- Metastatic Brain Tumors: Radiosurgery – Treatment
- Metastatic Brain Tumors: Chemotherapy – Treatment
- Case: 40-year-old Woman with Headache
- Meningioma: Introduction
- Meningioma: Clinical Presentation and Evaluation
- Meningioma: Treatment
- Case: 67-year-old Woman with Headaches
- Pituitary Tumors: Introduction
- Pituitary Tumors: Clinical Presentation
- Pituitary Tumors: Evaluation and Imaging
- Pituitary Tumors: Treatment
- Case: 49-year-old Man with Headache
- Glioma: Introduction and Clinical Presentation
- Glioma: Grading with MRI and Contrast Enhancement
- Glioma: Grading with Tissue Sample
- Glioma: Genetic Risk Assessment
- Glioma: Treatment
- Case: 21-year-old Man with Pain
- Neurofibromatosis Type 1: Introduction
- Knudson's Two-Hit Hypothesis of Tumor Formation
- Neurofibromatosis Type 1: Diagnosing Criteria
- Neurofibromatosis Type 1: Clinical Presentation
- Neurofibromatosis Type 1: Treatment
- Case: 42-year-old Woman with Loss of Hearing

- Neurofibromatosis Type 2: Introduction
- Neurofibromatosis Type 2: Diagnosing Criteria
- Neurofibromatosis Type 2: Clinical Presentation
- Neurofibromatosis Type 2: Treatment
- Case: 2.5-month-old Infant with Spasms
- Tuberous Sclerosis: Introduction
- Tuberous Sclerosis: Diagnosing Criteria
- Tuberous Sclerosis: Clinical Presentation
- Tuberous Sclerosis: Treatment

Sleep Disorders

- Introduction to Sleep
- Circadian Rhythm
- Stages of Sleep
- Case: 45-year-old with Difficulty Sleeping
- Insomnia: Classification and Pathophysiology
- Insomnia: Diagnosis
- Insomnia: Management
- Case: 54-year-old with Excessive Daytime Sleepiness
- Circadian Rhythm Sleep-wake Disorders and Delayed Sleep-wake Phase Disorder
- Sleep-wake Phase Disorder: Advance, Irregular, and Non-24-hour
- Sleep-wake Phase Disorder: Shift Work Disorder and Jet Lag
- Sleep-wake Phase Disorder: Management
- Case: 39-year-old Acting Out Dreams
- Introduction to Parasomnias
- NREM-related Parasomnias
- REM-related Parasomnias and Management of Parasomnias
- Case: 12-year-old with Hallucinations

- Introduction to Narcolepsy
- Narcolepsy: Epidemiology and Clinical Features
- Narcolepsy: Diagnosis
- Narcolepsy: Management

Vertigo, Dizziness, & Disorders of Balance

- Case: 34-year-old Woman with Severe Dizziness
- Dizziness: Signs and Symptoms
- Introduction to Nonspecific Dizziness
- Dysequilibrium and Cerebellar Diseases
- Case: 67-year-old Woman with Gait Dysfunction
- Cerebellum: Lobes – Anatomy Review
- Case: 14-year-old Girl with Dizziness
- Cerebellum: Afferent and Efferent Pathways – Anatomy Review
- Case: 53-year-old Man with Ataxia
- Cerebellum: Nuclei – Anatomy Review
- Case: 68-year-old Man Presenting with Fainting Episodes
- Syncope: Definition, Etiology, and Causes
- Neurally Mediated Syncope: Definition, Pathophysiology, and Classification
- Syncope: Evaluation, Treatment, and Management
- Case: 34-year-old with Dizziness
- Review of the Vestibular System and Evaluation of Vertigo
- Vertigo: Types
- Acute Vestibular Syndrome: Causes and Differentiation
- Exam Techniques: Head Impulse Test (HIT), Nystagmus, and Test of Skew
- HINTS of INFARCT • Exam Techniques: Head Impulse Test (HIT), Nystagmus, and Test of Skew

- HINTS of INFARCT

Headache

- Introduction to Headaches: Groups and 3-Step-Evaluation System
- Step 1: Primary and Secondary Headaches and Types of Headaches
- Step 2: Options for Diagnostic Testing and Clues to Severe Disease
- Step 3: Treatment of Headaches
- Case: 45-year-old Woman with Headache
- Thunderclap Headache: Overview, Evaluation, and Management
- Case: 67-year-old Woman with History of Migraines
- Headache with Visual Disturbances
- Case: 68-year-old Man with Squamous Cell Carcinoma
- Neuralgiform Headaches
- Case: 57-year-old Woman with Headache when Sitting Up
- Low-pressure Headache
- Case: 38-year-old Obese Woman with Headache
- High-pressure Headache
- Case: 30-year-old Woman with Episodic Headache
- Chronic, Recurrent, and Episodic Headaches
- Migraine: Aura, Triggers, Evaluation, and Treatment
- Migraine: Prophylaxis and Medications
- Case: 25-year-old Man with Cluster of Headaches
- Trigeminal Autonomic Cephalalgias (TACs)
- Cluster Headaches
- Paroxysmal Hemicrania
- SUNCT and SUNA
- Hemicrania Continua

Neuropathic Pain Syndromes

- Neuropathic Pain: Esthesia, Algesia, Pathia, and Dynia
- Neuropathic Pain: Understanding Reflex Arcs
- Neuropathic Pain: Clues to Locate the Lesion (CNS or PNS)
- Neuropathic Pain: Locating a Lesion in the PNS
- Case: 53-year-old Man with Intense Hip Pain
- Case: 31-year-old Woman with Pruritic Vesicles
- Diabetic Polyneuropathy
- Chemotherapy-induced Polyneuropathy
- Case: 43-year-old Woman with Sharp Pain on the Right Side of Her Face
- Neuropathic Pain: Thalamic Pain Syndrome
- Neuropathic Pain: Treatment

Neurologic & Psychiatric Emergencies

- Altered Mental Status (AMS – Emergency Medicine)
- Altered Mental Status (AMS): Common Causes
- Altered Mental Status (AMS): First steps
- Altered Mental Status (AMS): History
- Altered Mental Status (AMS): Management
- Headache (Emergency Medicine)
- Migraine: Presentation & Diagnosis
- Migraine: Management
- Cluster Headache (Emergency Medicine)
- Secondary Headache (Emergency Medicine)
- Acute Ischemic Stroke (AIS – Emergency Medicine)
- Acute Ischemic Stroke (AIS): Signs & Symptoms

- Acute Ischemic Stroke (AIS): Examination
- Acute Ischemic Stroke (AIS): Diagnosis
- Acute Ischemic Stroke (AIS): Management
- Spontaneous Intracerebral Hemorrhage (ICH – Emergency Medicine)
- Spontaneous Intracerebral Hemorrhage (ICH): Examination & Diagnosis
- Spontaneous Intracerebral Hemorrhage (ICH): Management
- Subarachnoid Hemorrhage (SAH – Emergency Medicine)
- Subarachnoid Hemorrhage (SAH): Diagnosis
- Subarachnoid Hemorrhage (SAH): Management
- Seizures (Emergency Medicine)
- Seizures: Pathophysiology
- Seizure: Examination
- Seizure: Diagnosis
- Seizure: Management
- Meningitis and Encephalitis (Emergency Medicine)
- Meningitis and Encephalitis: Examination
- Meningitis and Encephalitis: Diagnosis
- Meningitis and Encephalitis: Management & Prophylaxis
- Suicidal Patients (Emergency Medicine)
- Methods of Suicide
- Suicidal Patients: Diagnosis
- Suicidal Patients: Management
- Suicidal Patients: Documentation and Disposition

Pediatric Neurology

- Seizures in Children: Introduction
- Status Epilepticus: Management
- Generalized Seizure in Children
- Febrile Seizure

- Ataxia in Children
- Migraines and Headaches in Children
- Secondary Headache in Children
- Guillan-Barré Syndrome (GBS) and Acute Disseminated Encephalomyelitis (ADEM)
- Muscular Dystrophy in Children
- Spinal Muscular Atrophy (SMA) in Children
- Infant Botulism
- Myasthenia Gravis in Children
- Cerebral Palsy (CP)
- Intellectual Disability in Children
- Tics and Tourettes in Children
- Tuberous Sclerosis in Children
- Neurofibromatosis (NF) and Sturge Weber Syndrome
- Increased Intracranial Pressure (ICP), Hydrocephalus & Dandy-Walker Variant (DWV)
- Arnold-Chiari Malformations and Craniosynostosis



Dermatology

- Allergic and Immune-mediated Skin Disorders 28 Videos
- Neoplasms of the Skin 08 Videos
- Skin Infections 21 Videos
- Miscellaneous Skin Disorders 10 Videos
- Inflammatory Skin Diseases 23 Videos
- Infectious Skin Diseases 12 Videos
- Other Skin Diseases 03 Videos
- Pediatric Dermatology 11 Videos



Allergic and Immune-Mediated Skin Disorders

- Derma Case: 71-year-old Woman with a Progressive Skin Rash
- Anatomy Review: Skin
- Stevens-Johnson Syndrome
- Porphyria Cutanea Tarda
- Pemphigus Vulgaris
- Staphylococcal Scalded Skin Syndrome
- Bullous Pemphigoid
- Quick Review: Bullous Diseases
- Derma Case: 52-year-old Man with Fever, Muscle Aches, and Rash
- Pemphigus Vulgaris (Review) and Staphylococcal Toxic Shock Syndrome
- Erythema Multiforme, Stevens-Johnson Syndrome, and Toxic Epidermal Necrolysis
- Non-immune Mediated Cutaneous Drug Reactions
- Immune-mediated Cutaneous Drug Reactions: Exanthemous Reactions
- Urticaria and Angioedema
- Drug Hypersensitivity Syndrome (DHS) and DRESS
- Quick Review: Cutaneous Drug Reactions
- Derma Case: 52-year-old Woman with Fever, Arthralgias, and Painful Bumps
- Polyarteritis Nodosa vs. Erythema Nodosum
- Quick Review: Erythema Nodosum
- Derma Case: 18-year-old Woman with an Intensely Pruritic Rash
- Seborrheic Dermatitis, Allergic and Irritant Contact Dermatitis
- Atopic Dermatitis (Eczema)
- Derma Case: 36-year-old Woman with Eczema
- Derma Case: 12-year-old Girl with an Intensely Pruritic Rash

- Quick Review: Dermatitis
- Derma Case: 33-year-old Man with Rash on Elbows and Knees
- Psoriasis
- Quick Review: Psoriasis

Neoplasms of the Skin

- Derma Case: 38-year-old Woman with a Mole on Her Left Leg
- Tinea Corporis (Ring Worm) and Seborrheic Keratosis
- Kaposi's Sarcoma
- Melanoma vs. Benign Melanocytic Nevus
- Derma Case: 58-year-old Man with a Lesion on the Tip of His Nose
- Squamous Cell Carcinoma (SCC) vs. Basal Cell Carcinoma (BCC)
- Derma Case: 69-year-old Man with PMHx of CAD and Dyslipidemia
- Quick Review: Malignant Skin Lesions

Skin Infections

- Derma Case: 11-year-old Healthy Girl with Rash
- Molluscum Contagiosum
- Derma Case: 23-year-old Man with Bumps on His Penis
- Acrochordon (Skin Tag)
- Human Papilloma Virus (HPV) and Condylomata Acuminata
- Herpes Simplex Virus and Shingles
- Quick Review: Viral Skin Diseases
- Derma Case: 20-year-old Man with an Itchy Circular Rash
- Pityriasis Rosea
- Tinea Infections: Tinea Corporis and Tinea Versicolor
- Candida Intertrigo and Candida Albicans
- Impetigo
- Tinea Infections: Management

Miscellaneous Skin Disorders

- Derma Case: 41-year-old Woman with Facial Rash
- Acne Vulgaris
- Dermatomyositis and Seborrheic Dermatitis
- Acne Rosacea
- Systemic Lupus Erythematosus (SLE)
- Derma Case: 24-year-old Woman with Chronic Pain in Axillae
- Quick Review: Acne
- Review: Life Cycle of a Hair Follicle
- Derma Case: 57-year-old Woman with Hypertension and Hair Loss
- Quick Review: Alopecia

Inflammatory Skin Diseases

- General Terminology
- Other General Dermatologic Terminologies
- Acne Vulgaris
- Rosacea
- Seborrheic Dermatitis
- Atopic Dermatitis
- Ichthyosis Vulgaris
- Allergic Contact Dermatitis
- Lichen Simplex Chronicus (LSC)
- Lichen Planus
- Hives (Urticaria)
- Angioedema
- Alopecia Areata (AA)
- Psoriasis
- Pityriasis Rosea

- Morphea
- Erythema Nodosum
- Erythema Multiforme
- Pemphigus Vulgaris
- Bullous Pemphigoid
- Immunofluorescence Diagnosis in Vesiculobullous Dermatitis
- Nikolsky's Sign
- Lupus Erythematosus

Pediatric Dermatology

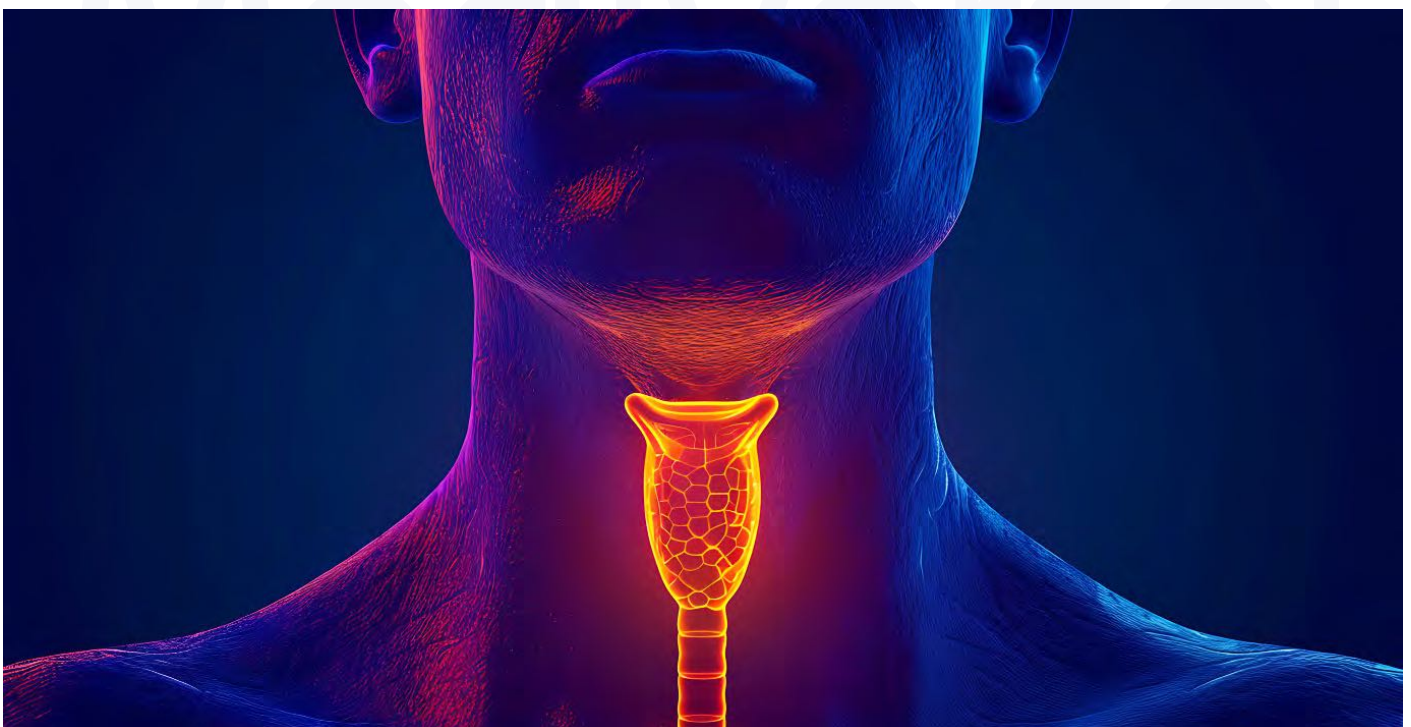
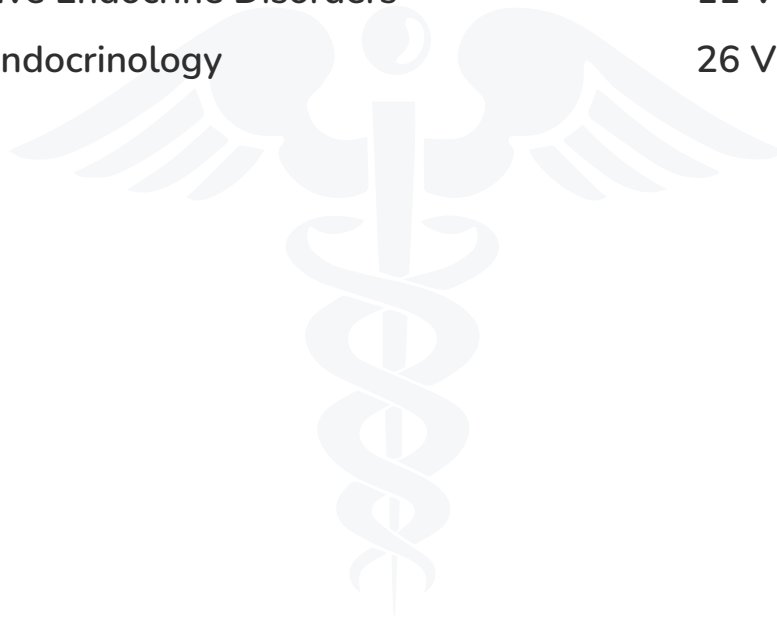
- Eczema in Children
- Seborrheic Dermatitis, Psoriasis and Impetigo in Children
- Erythema Multiforme and Stevens-Johnson Syndrome (SJS) in Children
- Serum Sickness in Children
- Drug Reaction with Eosinophilia and Systemic Symptoms (DRESS)
- Hemangioma
- Nevus (Moles) in Children
- Scabies, Head Lice (Pediculosis Capitis) and Tinea Corporis (Ringworm) in Children
- Pityriasis Rosea in Children
- Warts (Verruca Vulgaris) and Molluscum Contagiosum in Children
- Hair Loss in Children: Alopecia Areata, Nevus Sebaceus, Traction Alopecia & Trichotillomania (TTM)

Other Skin Diseases

- Melasma (Chloasma)
- Vitiligo
- Albinism (Achromasia)

Endocrinology

- Thyroid Disorders 15 Videos
- Pituitary and Hypothalamic Disorders 14 Videos
- Adrenal Gland Disorders 06 Videos
- Diabetes Mellitus 27 Videos
- Metabolic Bone Disorders 12 Videos
- Reproductive Endocrine Disorders 11 Videos
- Pediatric Endocrinology 26 Videos



Thyroid Disorders

- Review of Thyroid Physiology
- Thyroid Case: 38-year-old Woman with Insomnia, Anxiety & Hair Loss
- Hyperthyroidism and Thyrotoxicosis
- Thyroid Storm with Case
- Graves Disease
- Types of Thyroiditis with Case
- Toxic Adenoma and Multinodular Goiter with Case
- Hyperthyroidism – Summary
- Thyroid Nodules
- Thyroid Cancer with Case
- Thyroid Case: 52-year-old Woman with Weight Gain, Fatigue and Poor Concentration
- Hashimoto's Thyroiditis and Subclinical Hypothyroidism
- Euthyroid Sick Syndrome with Case

Pituitary and Hypothalamic Disorders

- Review of Hypothalamic and Pituitary Physiology
- Pituitary Case: 54-year-old Man with Fatigue and Joint Pain
- Acromegaly
- Pituitary Case: 28-year-old Woman with Amenorrhea and Nipple Discharge
- Hyperprolactinemia
- Pituitary Case: 53-year-old Man after Transsphenoidal Resection of Pituitary Adenoma
- Syndrome of Inappropriate ADH (SIADH)

- Pituitary Case: 48-year-old Woman with Weight Gain, Easy Bruising, & Hypertension
- Cushing Syndrome & Cushing Disease
- Summary: Pituitary Hormone Excess
- Pituitary Case: 51-year-old Man with Severe Headache
- Hypothalamic and Pituitary Hormone Deficiency
- Pituitary Case: 28-year-old Woman with Excessive Thirst & Urination
- Diabetes Insipidus and Pituitary Tumors

Adrenal Gland Disorders

- Review of Adrenal Excess & Adrenal Deficiency
- Adrenal Case: 25-year-old Man with Severe Pulsatile Headache
- Pheochromocytoma
- Adrenal Case: 38-year-old Man with Hypertension
- Primary Hyperaldosteronism
- Adrenal Case: 68-year-old Man with Nausea, Lightheadedness, Back and Abdominal Pain

Diabetes Mellitus

- Types of Diabetes
- Diabetic Case: 9-year-old Girl with Thirst, Weight Loss, and Frequent Urination
- Type 1 Diabetes Mellitus (DM)
- Honeymoon Phase with Case
- Diabetic Case: 47-year-old Woman with Pain on Urination, Frequent Urination, and Urine Urgency
- Diabetic Case: 61-year-old Man with Weight Gain
- Prediabetes

- Diabetic Case: 36-year-old Primigravid Woman for Antenatal Care
- Gestational Diabetes
- Type 2 Diabetes Mellitus: Patient Education and Self-monitoring of Blood Glucose
- Type 2 Diabetes Mellitus: Hemoglobin A1c (HbA1c) Monitoring and Non-pharmacologic Approaches
- Bariatric Surgery with Case
- Type 2 Diabetes Mellitus: Rational Management
- Type 1 Diabetes Management with Case
- Diabetic Case: 19-year-old Man with Type 1 DM
- Diabetic Case: 75-year-old Man on Insulin Therapy
- Diabetic Case: 49-year-old Man with Elevated HbA1c
- Non-insulin Diabetes Mellitus Medications with Case
- Basal-bolus Insulin Therapy with Case
- Diabetic Ketoacidosis with Case
- Hyperglycemic Hyperosmolar Syndrome (HHS) with Case
- Comparing Hyperglycemic Hyperosmolar Syndrome (HHS) and Diabetic Ketoacidosis (DKA)
- Diabetes Mellitus: Chronic Complications
- Diabetic Neuropathy with Case
- Diabetic Foot Ulcers with Case
- Hypoglycemia with Case
- Insulinoma (Whipple's Triad) with Case

Metabolic Bone Disorders

- Hypercalcemia and Review of Calcium Homeostasis
- Bone Metabolism Case: 68-year-old Woman with High Serum Calcium Level
- Primary Hyperparathyroidism

- Bone Metabolism Case: 71-year-old Man with Shortness of Breath
- Hypercalcemia: Types and Management
- Hypocalcemia: Causes and Clinical Features
- Iatrogenic Hypoparathyroidism with Case
- Multiple Endocrine Neoplasia (MEN) with Case
- Hypocalcemia: Management
- Osteoporosis with Case
- Osteomalacia with Case
- Paget's Disease with Case

Reproductive Endocrine Disorders

- Reproductive Endocrinology: Course Overview
- Reproductive Case: 17-year-old Woman with Absence of Menarche
- Primary and Secondary Amenorrhea
- Reproductive Case: 34-year-old Woman with Hirsutism
- Polycystic Ovary Syndrome (PCOS)
- Female Infertility
- Male Hypogonadism with Case
- Male Infertility
- Gynecomastia with Case: 6-day-old Girl with Vomiting and Poor Feeding
- Congenital Adrenal Hyperplasia (CAH)

Pediatric Endocrinology

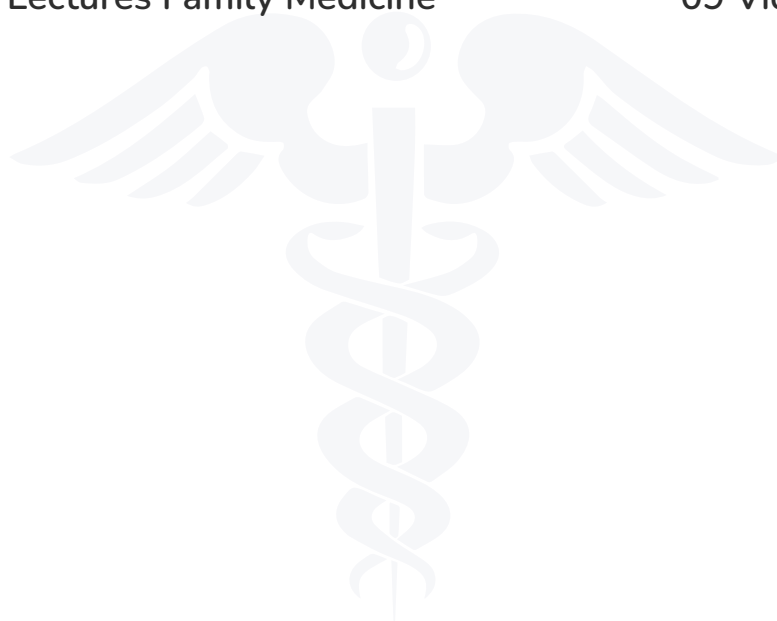
- Tracking Growth in Children
- Understanding Short Stature in Children
- Growth Delay: Diagnosis & Management
- Normal Puberty in Children

- Precocious Puberty in Children
- Delayed Puberty in Children
- Inborn Errors of Metabolism: Metabolic Pathways
- Disorders of Carbohydrate Metabolism
- Disorders of Amino Acid Metabolism
- Defects of Fatty Acid Oxidation
- Urea Cycle Disorders
- Type 1 Diabetes (Juvenile Diabetes): Basics
- Type 1 Diabetes (Juvenile Diabetes): Typical Presentation
- Type 1 Diabetes (Juvenile Diabetes): Diagnosis
- Type 1 Diabetes (Juvenile Diabetes): Management
- Type 2 Diabetes (Adult Onset Diabetes)
- Diabetes Insipidus (DI) in Children
- SIADH (Syndrome of Inappropriate Antidiuretic Hormone Secretion) in Children
- Hyperthyroidism in Children
- Hypothyroidism in Children
- Congenital Adrenal Hyperplasia (CAH) in Children
- Cushing's Syndrome in Children
- Adrenal Insufficiency (Addison's Disease) in Children



Family Medicine

- | | |
|---------------------------------------|-----------|
| • Introduction to Family Medicine | 08 Videos |
| • Acute Care | 39 Videos |
| • Chronic Care | 30 Videos |
| • Preventive Medicine | 08 Videos |
| • Geriatric Care | 07 Videos |
| • Additional Lectures Family Medicine | 09 Videos |



Introduction to Family Medicine

- Principles and Application to USMLE
- Example Cases
- Accurate and Efficient Patient Histories
- Transitioning to a Diagnosis and Plan
- Caring for Diverse Populations and Cultural Humility
- Cardiovascular Disease and Determinants of Health
- Implicit (Unconscious) Bias
- Coordination of Care

Acute Care

- Acute Problems in Family Medicine
- Case: Left-sided Chest Pain
- Case: Just Another Migraine?
- Upper Respiratory Symptoms
- Upper Respiratory Infections: Diagnosis and Management
- Acute Neck Injury
- Acute Neck Injury: Management
- Acute Back Pain
- Acute Back Pain: Management
- Acute Shoulder Pain
- Acute Shoulder Pain: Diagnosis
- Acute Shoulder Pain: Management
- Acute Knee Pain
- Acute Knee Pain: Differential Diagnosis
- Patellofemoral Syndrome and Osteoarthritis
- Ankle and Foot Pain
- Ankle and Foot Pain: Management

- Hand and Wrist Pain
- Abdominal Pain
- Abdominal Pain: Cases
- Localized Rashes: Dermatitis and Fungal Infections
- Localized Rashes: Impetigo, Cellulitis and Herpes Zoster
- Generalized Rashes: Atopic Dermatitis and Viral Exanthems
- Generalized Rashes: Nummular Eczema, Pityriasis Rosea and Psoriasis
- Urgent Gynecologic Disease
- Urgent Urologic Disease
- Urinary Tract Infection (UTI)
- Chest Pain
- Chest Pain: Pulmonary Embolism and Thoracic Aorta Aneurysm
- Cluster Headache
- Tension-type Headache and Acute Migraine Headache: Management
- Dizziness
- Dyspnea
- Dyspnea: Diagnosis
- Fever in Adults
- Insomnia
- Insomnia: Management
- Anxiety Disorders
- Ocular Emergencies

Chronic Care

- Hypertension: Diagnosis
- Hypertension: General Treatment
- Hypertension: Specific Treatment
- Diabetes Mellitus: Diagnosis and Management
- Type 2 Diabetes: Diagnosis and Management

- Type 2 Diabetes: Diagnosis and Management
- Asthma Adherence and Control
- Asthma: Hazard Reduction and Inhaler
- Asthma: Medication and Follow-up
- Chronic Obstructive Pulmonary Disease (COPD)
- COPD: Treatment
- LABA/LAMA Combination vs. Monotherapy
- Hyperlipidemia: Diagnosis and Management
- Arthritis
- Arthritis: Treatment
- Depression: Case Study and Screening
- Depression: Therapy
- Antidepressants in Pregnancy
- Obesity: Diagnosis and Management
- Obesity: Medications and Bariatric Surgery
- Atherosclerotic Cardiovascular Disease
- Atherosclerotic Cardiovascular Disease: Diagnosis
- Atherosclerotic Cardiovascular Disease: Management
- Heart Failure: Diagnosis
- Heart Failure: Management
- Osteoporosis: Diagnosis and Management
- Alcohol and Substance Use Disorders
- Pain Management

Preventive Medicine

- Infant Care
- Child and Adolescent Care
- Prenatal Care
- Adult Health Maintenance
- Breast Cancer
- Colorectal Cancer
- Prostate Cancer
- Lung Cancer

Geriatric Care

- Caring for Older Adults
- Screening Exams for Older Adults
- Nutrition, Hearing and Vision, Falls
- Medications for Older Adults
- Cognitive Decline among Older Adults
- Death and Dying
- Breaking Bad News

Additional Lectures Family Medicine

- Acute Ischemic Stroke (AIS): Diagnosis
- Acute Ischemic Stroke (AIS): Examination
- Acute Ischemic Stroke (AIS): Signs & Symptoms
- Acute Ischemic Stroke (AIS): Management
- Ischemic Stroke: Treatment
- Stroke Imaging Findings

- Goiter and Thyroid Nodules
- Diagnostic Tests – Hypothyroidism
- Differential Diagnoses – Hyperthyroidism (Thyrotoxicosis)



Gastroenterology

- Gastroenterology
- Pediatric Gastroenterology

67 Videos

33 Videos



Gastroenterology

- Approach to Patients with GI Symptoms
- Disorders of the Esophagus and the Stomach
- Disorders of the Small and Large Intestines
- Disorders of the Hepatobiliary Tract
- Disorders of the Pancreas
- Disorders of the Peritoneum

Pediatric Gastroenterology

- Approach to Vomiting
- Pediatric Diarrhea: Pathology
- Pediatric Diarrhea: History & Physical Exam
- Pediatric Diarrhea: Lab Work & Imaging
- Conjugated Hyperbilirubinemia
- Alagille Syndrome
- Biliary Atresia
- Pediatric Choledochal Cysts
- Appendicitis in Children
- Pediatric Meckel's Diverticulum
- Intussusception in Children
- Pancreatitis in Children: Pathology
- Pancreatitis in Children: Signs, Symptoms, Diagnosis & Management
- Pediatric Cholecystitis (Inflammation of the Gallbladder)
- Failure to Thrive (FTT): Pathology
- Failure to Thrive (FTT): History & Physical Exam
- Failure to Thrive (FTT): Management
- Constipation in Children: Pathology & Clinical Presentation
- Constipation in Children: Diagnosis & Management

- Hirschsprung's Disease (Congenital Megacolon)
- Congenital Hypertrophic Pyloric Stenosis
- Duodenal Atresia in Children
- Intestinal Malrotation
- Gastroesophageal Reflux Disease (GERD): Pathology, Signs & Symptoms
- Gastroesophageal Reflux Disease (GERD): Diagnosis & Management
- Milk Protein Allergy in Children (Cow's Milk Protein Intolerance, CMPA)
- Celiac Disease in Children
- Pediatric Inflammatory Bowel Disease (IBD): Basics
- Pediatric Inflammatory Bowel Disease (IBD): Diagnosis
- Pediatric Inflammatory Bowel Disease (IBD): Management
- Fluid Replacement Therapy (FTP) in Children: Basics
- Fluid Replacement Therapy (FTP) in Children: Diagnosis
- Fluid Replacement Therapy (FTP) in Children: Management



Gynecology

- Abnormal Menstruation 09 Videos
- Normal Puberty and Disorders of Sexual Development 10 Videos
- Reproductive Endocrinology 17 Videos
- Menopause 09 Videos
- Gynecologic Pathology: Infections, Neoplasms and-Screening 06 Videos
- Pediatric Gynecology 05 Videos
- Female Pelvic Medicine 05 Videos



Abnormal Menstruation

- Normal Menstrual Cycle
- Primary Amenorrhea: Causes
- Secondary Amenorrhea (Gynecology)
- Hypothalamic Amenorrhea and Case Studies
- Müllerian Duct Anomalies (MDA)
- Mayer-Rokitansky-Kuster-Hauser Syndrome and MDA
- Primary Ovarian Insufficiency (POI)
- POI: Mechanisms, FMR 1 and Management
- Molimina, PMS and PMDD

Normal Puberty & Disorders of Sexual Development

- Types of Sex
- Puberty
- Congenital Adrenal Hyperplasia (CAH): Definition and Management
- Congenital Adrenal Hyperplasia (CAH): Diagnosis, Treatment, Outcomes and Infertility
- Congenital Adrenal Hyperplasia (CAH): Complications
- Turner Syndrome: Signs, Symptoms and Diagnosis
- Turner Syndrome: Management and Complications
- Androgen Insensitivity Syndrome: Complete and Partial AIS
- Androgen Insensitivity Syndrome: Management and Case Study
- XY Gonadal Dysgenesis (Swyer Syndrome)

Reproductive Endocrinology

- Virilization and Hirsutism
- Hirsutism: Differential Diagnosis, Examination and Management
- Abnormal Uterine Bleeding (AUB): Introduction and Classification
- AUB: Causes by Age Groups
- AUB: Diagnostic Evaluation and Case Study
- Hyperprolactinemia: Causes and Management
- Dopamine Agonists and Prolactinomas in Pregnancy
- Birth Control
- Contraceptives
- Infertility
- Assisted Reproductive Technology
- Hyperthyroidism and Hypothyroidism: Signs and Symptoms
- Functional Thyroid Disorders in Pregnancy
- Hyperthyroidism and Hypothyroidism: Diagnosis and Management
- Polycystic Ovary Syndrome (PCOS): Diagnosis and Fertility Considerations
- Female Sexual Dysfunction
- Desire, Arousal and Orgasm

Menopause

- Perimenopause
- Menopause: Signs, Symptoms and Management
- Hormone Replacement Therapy
- Osteoporosis in Women
- DEXA and Secondary Osteoporosis
- Management of Osteoporosis in Women
- Postmenopausal Bleeding

- Breast Cancer Screening in Women
- Colorectal Cancer (CRC) in Women

Gynecologic Pathology: Infections, Neoplasms and Screening

- Selective Estrogen Receptor Modulators (SERMs)
- ASCO Guidelines and Case Study
- Sexually Transmitted Infections (STIs): Sores/Ulcers, Syphilis, and Genital Herpes Simplex
- Sexually Transmitted Infections: Drips/Discharges, Pelvic Inflammatory Disease, and Trichomonas Vaginalis
- HIV Infection in Women
- Cervical Cancer (HPV)

Pediatric Gynecology

- Vulvovaginitis
- Reproductive Anatomy and Physiology in Girls
- Non-Specific Vulvovaginitis and Labial Agglutination
- Precocious and Delayed Puberty
- Sexual Abuse

Female Pelvic Medicine

- Chronic Pelvic Pain
- Benign Gynecologic Conditions
- Intimate Partner Violence

- Sexual Assault
- Ectopic Pregnancy: Definition and Treatment



Diseases of the Ear, Nose & Throat

• Otitis Media (Middle Ear Infection)	06 Videos
• Candidiasis	05 Videos
• HIV / AIDS	13 Videos
• Syphilis	13 Videos
• Systemic Lupus Erythematosus (SLE)	10 Videos
• Pharyngitis	03 Videos
• COVID-19 Overview and Management	84 Videos
• Diseases of the Ear, Nose and Throat - additional lectures	55Videos



Haematology

Hematologic Disorders

- Anemia and Iron Deficiency – Red Cell Disorders
- Thalassemia – Red Cell Disorders
- Types of Anemia – Red Cell Disorders
- Polycythemia – Red Cell Disorders
- Types – Leukemia
- Acute Leukemia – Leukemia
- Chronic Leukemia – Leukemia
- Hodgkin Lymphoma – Lymphoma
- Non-hodgkin Lymphomas – Lymphoma
- Other Types – Lymphoma
- Myelodysplasia – Hematopoietic Malignancies and Aplastic Anemia
- Myeloproliferative Disease – Non-malignant conditions and Multiple Myeloma
- Aplastic Anemia – Hematopoietic Malignancies and Aplastic Anemia
- Hemostasis – Bleeding Disorders
- Other Forms – Bleeding Disorders
- Thrombosis – Thrombosis and Anti-Thrombotic Therapy
- Anticoagulant Drugs – Thrombosis and Anti-Thrombotic Therapy

Immune System

Immune System: Overview and Cells	08 Videos
Innate Immune System	08 Videos
Adaptive Immune System	31 Videos
Humoral Immunity and Cell-Mediated Immunity	13 Videos
Immunodeficiency and Immune Deficiency Diseases	16 Videos
Hypersensitivity and Autoimmune Disease	21 Videos
Transplantation Immunology	06 Videos
Tumor Immunology	07 Videos
Vaccine Immunology	06 Videos
Immunodiagnostics	08 Videos

Mediversal



Immune System: Overview & Cells

- Introduction: Pathogens and the Immune System
- Immune Response
- Strategies to Eliminate Pathogens
- Organization of the Immune System
- Cells of the Innate Immune Response
- Phagocytic Cells
- Dendritic Cells, Eosinophils, Basophils, Mast Cells and Innate Lymphoid Cells
- Cells of the Adaptive Immune System

Innate Immune System

- Introduction: The Innate Immune Response
- Pattern Recognition Receptors (PRRs)
- Inflammatory Signaling and Inflammasomes
- Acute Phase Response
- Acute Inflammation
- Chronic Inflammation
- Complement System
- Acute inflammatory, Type I interferon and NK cell responses

Adaptive Immune System

- Recognition of Antigens – Lymphocyte Development
- B-Cell Development in the Bone Marrow – Lymphocyte Development
- Immunoglobulin Genes and Recombination – Lymphocyte Development

- Mediation of Antigen Receptor Genetic Recombination – Lymphocyte Development
- Antibody Variable Region Diversity – Lymphocyte Development
- Junctional Diversity, N-Nucleotide Addition and Somatic Hypermutation – Lymphocyte Development
- Class Switch Recombination, Co-Expression and B-Cell Development – Lymphocyte Development
- T-Cell Development – Lymphocyte Development
- T-Cell Development in Thymus and Genetic Recombination of TCR Lymphocyte Development
- Natural Killer T-Cells (NKT-Cells) – Lymphocyte Development
- Overview of Lymphoid Tissues – Lymphocyte Activation
- Secondary Lymphoid Tissues – Lymphocyte Activation
- Germinal Center – Lymphocyte Activation
- B- and T-Cell Activation – Lymphocyte Activation
- B-Cell Differentiation – Lymphocyte Activation
- Migration and Maturation of Interdigitating Dendritic Cells and T-Cell
- Differentiation – Lymphocyte Activation Costimulation – Lymphocyte Activation
- Introduction to Lymphocyte Recirculation – Lymphocyte Recirculation and Homing
- Blood/Lymphatic Circulation and High Endothelial Venules - Lymphocyte Recirculation and Homing
- Chemokines – Lymphocyte Recirculation and Homing
- Migration of Central Memory and Effector Memory T-Cells – Lymphocyte Recirculation and Homing
- Cell Adhesion Molecules (CAMs) – Lymphocyte Recirculation and Homing
- Trafficking and Homing – Lymphocyte Recirculation and Homing Introduction – Antigen Processing and Presentation
- Major Histocompatibility Complex (MHC) – Antigen Processing and Presentation

- Polymorphism and TCR Recognition of Major Histocompatibility Complex – Antigen Processing and Presentation
- Diversity of Major Histocompatibility Complex – Antigen Processing and Presentation
- Structure of Major Histocompatibility Complex – Antigen Processing and Presentation
- Main Pathways and Endogenous/Exogenous Antigens – Antigen Processing and Presentation
- Cross-Presentation – Antigen Processing and Presentation
- Presentation of Lipid Antigens by CD1 – Antigen Processing and Presentation

Humoral Immunity & Cell-mediated Immunity

- Humoral Immunity: Introduction
- Humoral Immunity: T-Dependent, T-Independent Antigens, and Class Switching
- Humoral Immunity: Structure of Antibodies and Immunoglobulin Domains
- Humoral Immunity: Antibody Polymers and Antibody Binding to Antigens
- Humoral Immunity: Function of Antibodies
- Cell-mediated Immunity: Introduction
- Cell-mediated Immunity: Gamma-Delta T-Cells, T-Cell Receptor, and Alpha-Beta T-Cells
- Cell-mediated Immunity: Th0, Th1, and Th2 Cells
- Cell-mediated Immunity: Regulatory T-Cells, Cytotoxic T-Cells, Macrophages, and Intraepithelial Lymphocytes
- Cell-mediated Immunity: Cytokines, Interferons, Interleukins, and Colony Stimulating Factors

- Cell-mediated Immunity: Chemokines, Tumor Necrosis Factors, and Transforming Growth Factors
- Cell-mediated Immunity: Functional Modes of Cytokines and Cytokine Receptor Signaling
- Cell-mediated Immunity: Therapeutic Blocking of Pathological Cytokines and Therapeutic Cytokines

Immunodeficiency and Immune Deficiency Diseases

Introduction – Primary Immunodeficiency

- Complement Deficiencies – Primary Immunodeficiency
- Phagocytic Cell Disorders – Primary Immunodeficiency
- Autoinflammatory Disorders – Primary Immunodeficiency
- Mutations Affecting T-cell Maturation
- B-Cell Immunodeficiencies: Common Variable Immunodeficiency, X-linked Agammaglobulinemia and Selective IgA
- Deficiency – Primary Immunodeficiency
- T-Cell Immunodeficiencies: Hyper IgM Syndrome, Wiskott-Aldrich Syndrome and MHC Class II Deficiency – Primary Immunodeficiency
- Primary Immunodeficiencies Associated with Autoimmune Disease
- Severe Combined Immunodeficiency (SCID) – Primary Immunodeficiency
- Diagnosis – Primary Immunodeficiency
- Treatment – Primary Immunodeficiency
- Introduction – Secondary Immunodeficiency
- Causes: Immaturity & Pregnancy – Secondary Immunodeficiency Diseases
- Causes: Aging & Infections – Secondary Immunodeficiency Diseases

- HIV Infection and HIV Life Cycle– Secondary Immunodeficiency Diseases
- HIV Disease: Clinical Course, Treatment & Prophylaxis – Secondary Immunodeficiency Diseases

Hypersensitivity and Autoimmune Disease

- Introduction to Hypersensitivity
- Hypersensitivity: Types
- Hypersensitivity: Type 1 – Causes
- Allergy: Genetics and IgE
- IgE, Mast Cells and Eosinophils
- Allergy: Diagnosis, Therapy and Treatment of Asthma
- Hypersensitivity: Type 2
- Hypersensitivity: Type 3
- Hypersensitivity: Type 4
- Introduction to Autoimmune Diseases
- Immune Tolerance and Autoimmune Regulator (AIRE)
- Genetic Susceptibility to Autoimmune Diseases and Mechanisms
- Autoimmune Diseases: Types
- Autoimmune Hemolytic Anemia
- Goodpasture's Syndrome, Hashimoto's Thyroiditis, Graves' Disease and Type I Diabetes
- Rheumatoid Arthritis (RA)
- Acute Rheumatic Fever
- Systemic Lupus Erythematosus (SLE)
- Multiple Sclerosis (MS) and Guillain-Barré Syndrome (GBS)
- Celiac Disease
- Autoimmune Diseases: Therapy

Transplantation Immunology

- Introduction to the Problems and Rules of Transplantation
- Allograft Rejection and Blood Transfusion
- Blood Transfusion
- Direct and Indirect Alloantigen Recognition
- Major Histocompatibility Complex (MHC) and MHC Disparity
- Tissue Typing, Immunosuppressive Drugs and GVHD

Tumor Immunology

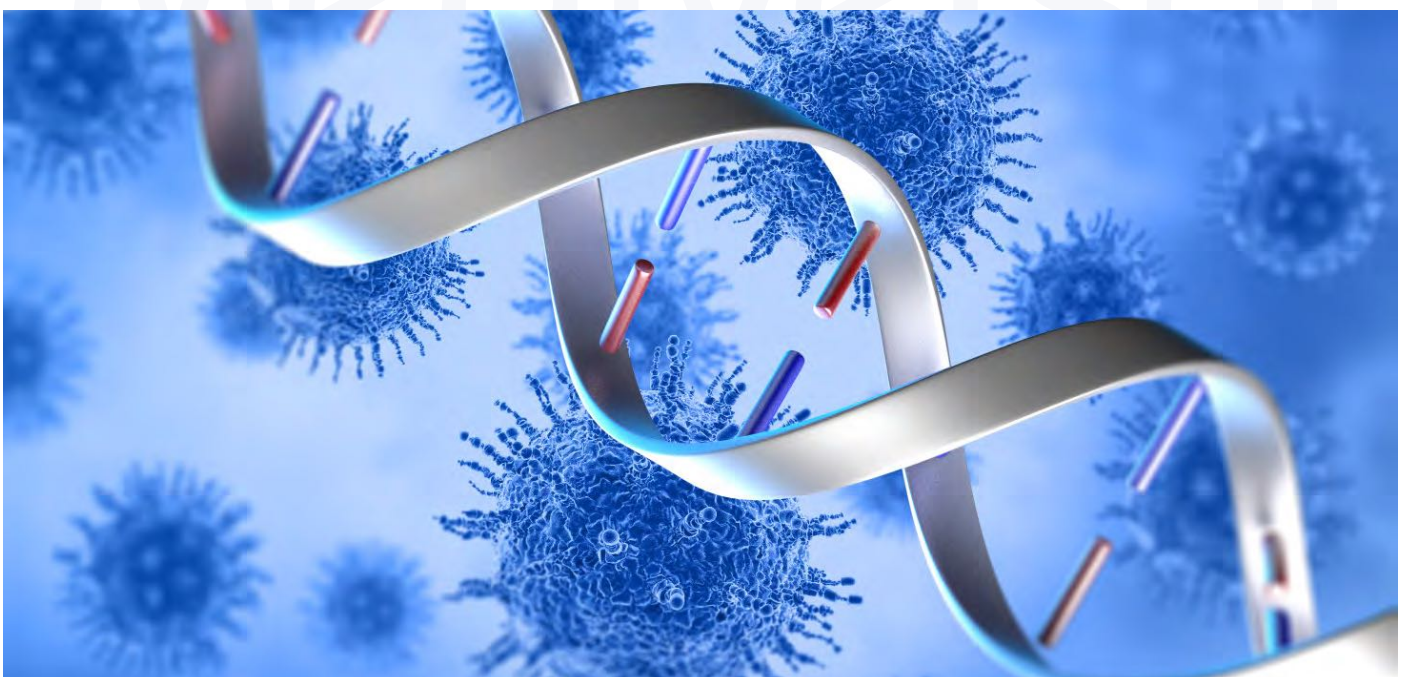
- Introduction to Tumor Immunology
- Leukemia, Lymphoma & Myeloma
- Immune Response to Tumors: Tumor Antigens and Antitumor Immunity
- Tumor-Infiltrating NK Cells
- Tumor Evasion of the Immune Response and Immune Checkpoint Blockade
- Monoclonal Antibodies and Nonspecific Immunotherapy
- Tumor Vaccines

Vaccine Immunology

- History of Vaccination
- Vaccine Components: Antigen, Carrier and Adjuvant
- Types of Vaccines (1): Live Attenuated Vaccines and Inactivated Vaccines
- Vaccination: Subunit Vaccines, Toxoid Vaccines, Conjugate Vaccines
- Future Needs for Vaccines: Influenza, COVID, Malaria, Tuberculosis, HIV

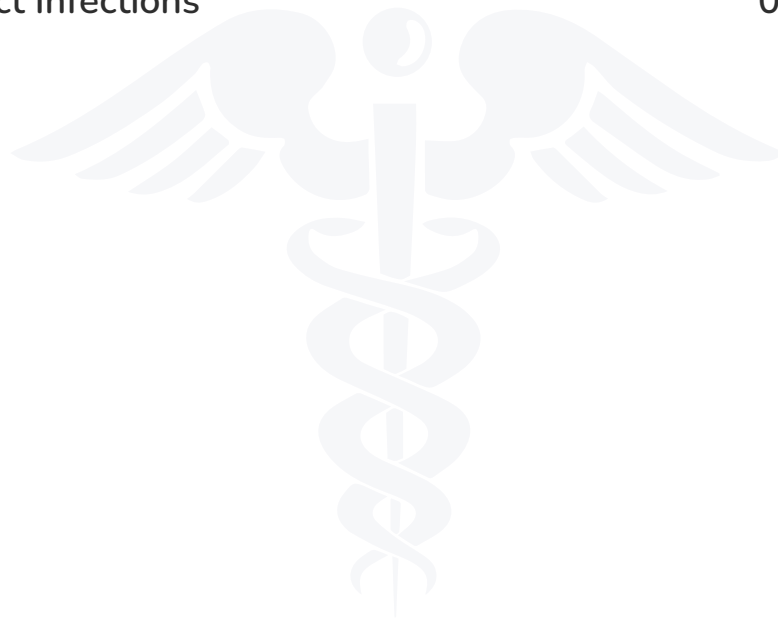
Immunodiagnosics

- Introduction to Immunodiagnosics
- Immunodiagnostic Methods: Agglutination, Nephelometry, Immunoprecipitation and Radial Immunodiffusion
- Electrophoresis and Western Blot
- Immunoassays: ELISA, RIA and Luminex™
- Immunofluorescence and Immunohistochemistry
- Flow Cytometry and Fluorescence-Activated Cell Sorter (FACS)
- Evaluation of Cellular Activity
- Preparation of Antibodies



Infectious Diseases

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• Upper Respiratory Infections	17 Videos
• Gastrointestinal Infections	15 Videos
• Genital and Sexually Transmitted Infections	29 Videos
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Mediversal



CNS Infection - Infectious Diseases

- Bacterial Meningitis: Definition
- Bacterial Meningitis: Signs/Symptoms in Newborns & Younger Children
- Neisseria Meningitidis (Meningococcus): Signs & Symptoms
- Bacterial Meningitis: Diagnosis & CSF Findings
- Bacterial Meningitis: Management & Empirical Treatment

When Gram's Stain (-)

- Bacterial Meningitis: Prognosis
- Bacterial Meningitis: Etiology & MCV-4 Meningococcal Vaccine
- Encephalitis: Definition and Etiology
- Encephalitis: Vector-borne Viruses
- Encephalitis: Signs & Symptoms
- Encephalitis: Diagnosis
- Encephalitis: Supportive Management
- Brain Abscess: Etiology
- Brain Abscess: Pathology
- Brain Abscess: Signs & Symptoms
- Brain Abscess: Diagnosis
- Brain Abscess: Initial Management

Infectious Diseases - Pediatric Nursing

- Varicella: Etiology and Pathology (Pediatric Nursing)
- Varicella: Signs and Diagnosis (Pediatric Nursing)
- Varicella: Management and Complications (Pediatric Nursing)
- Diphtheria: Etiology and Pathology (Pediatric Nursing)

- Diphtheria: Signs and Diagnosis (Pediatric Nursing)
- Diphtheria: Management and Complications (Pediatric Nursing)
- Erythema Infectiosum – Fifth Disease (Pediatric Nursing)
- Roseola (Pediatric Nursing)
- Measles: Etiology and Pathology (Pediatric Nursing)
- Measles: Signs, Exam, and Diagnosis (Pediatric Nursing)
- Measles: Management and Complications (Pediatric Nursing)
- Mumps: Pathology and Etiology (Pediatric Nursing)
- Mumps: Signs, Exam, and Diagnosis (Pediatric Nursing)
- Mumps: Management and Complications (Pediatric Nursing)
- Rubella: Pathology and Etiology (Pediatric Nursing)
- Rubella: Signs, Exam, and Diagnosis (Pediatric Nursing)
- Rubella: Management and Complications (Pediatric Nursing)
- Viral vs. Bacterial Conjunctivitis (Pediatric Nursing)
- Ophthalmia Neonatorum (Pediatric Nursing)
- Allergic vs. Irritant Conjunctivitis (Pediatric Nursing)
- Conjunctivitis: Exam and Diagnosis (Pediatric Nursing)
- Conjunctivitis: Management and Complications (Pediatric Nursing)
- Giardia: Etiology and Pathology (Pediatric Nursing)
- Giardia: Signs, Exam, and Diagnosis (Pediatric Nursing)
- Giardia: Management and Complications (Pediatric Nursing)
- Pinworms: Etiology and Pathology (Pediatric Nursing)
- Pinworms: Signs and Management (Pediatric Nursing)
- Infectious Diseases: In a Nutshell (Pediatric Nursing)
- Pediatric Immunizations (Nursing)
- Sepsis: Pediatric Sepsis (Nursing)

Infectious Skin Diseases

- Folliculitis
- Verruca (Plantar Wart)
- Herpes Zoster (Shingles)
- Primary Varicella (Chickenpox) and Candidiasis (Yeast Infection)
- Erysipelas and Molluscum Contagiosum
- Herpes Simplex (HSV)
- Impetigo (School Sores) and Staph Scalded Skin Syndrome (SSSS)
- Tinea Infections (Ringworm): Tinea Corporis & Tinea Capitis
- Onychomycosis (Nail fungus) and Scabies (Sarcoptic Mange)
- Syphilis
- Erythema Migrans (Lyme Disease) and Erythema Infectiosum (Fifth Disease)
- Toxic Shock Syndrome and Necrotizing Fasciitis (Flesh-Eating Disease)

Pharmacology

- Pharmacokinetics and Pharmacodynamics
- ANS - Pharmacology
- CNS - Pharmacology
- Toxicology
- Cardiovascular Pharmacology
- Pharmacology of Blood Coagulation
- Endocrine Pharmacology
- Reproductive Pharmacology
- Inflammation Pharmacology
- Respiratory Pharmacology
- Gastrointestinal Pharmacology
- Antimicrobial Pharmacology
- Topical Medications

Nephrology

Nephrology

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Pediatric Nephrology & Urology

015 Videos

Renal System – Clinical Medicine (PA)

010 Videos



Nephrology

- Acute Kidney Injury (AKI)
- Chronic Kidney Disease (CKD)
- Nephrolithiasis (Kidney Stones)
- Water Balance: Hypo- and Hypernatremia
- Potassium Disorders: Hypo- and Hyperkalemia
- Secondary Hypertension
- Nephrotic Syndrome
- Nephritic Syndrome
- Renal Replacement Therapy
- Urinary Tract Infection (UTI)

Pediatric Nephrology & Urology

- Pediatric Hematuria (Blood in Urine)
- Pediatric Glomerulonephritis
- Pediatric Proteinuria (Protein in Urine)
- Tubular Proteinuria and Focal Segmental Glomerulosclerosis (FSGS)
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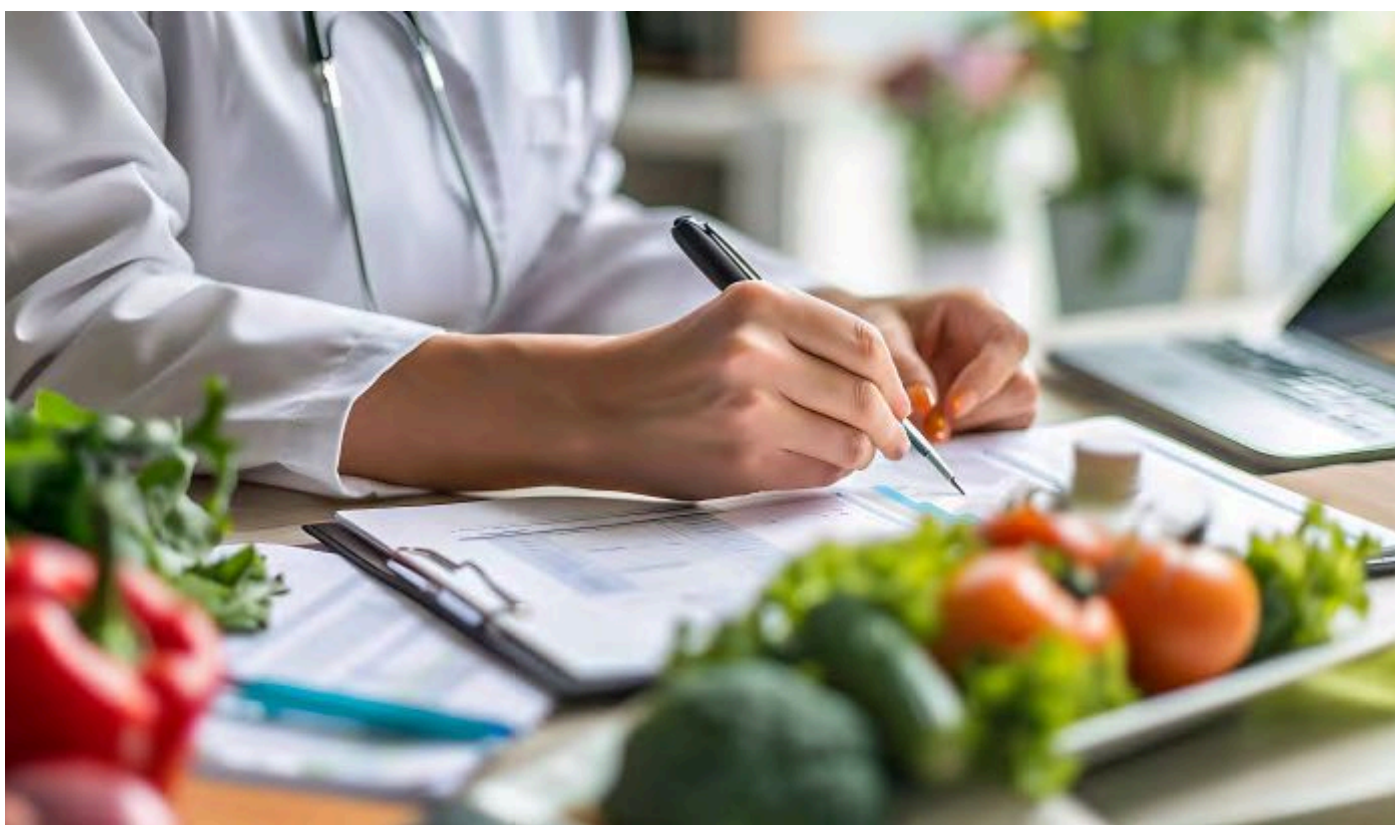
Renal System – Clinical Medicine (PA)

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- Nephritic Syndrome
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- Urinary Tract Infection (UTI)



Nutrition

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Nutrition, Health Promotion and Maintenance	07 Videos
FEN (Fluids, Electrolytes, Nutrition) – Pediatric Nursing	14 Videos



Nutrition

- Energy Considerations in Nutrition
- Use of Calories
- Body Mass Index (BMI)
- Introduction to Vitamins
- Vitamin B1 and B2
- Vitamin B3, B5, B6 and B7
- Vitamin B9 (Folic Acid)
- Vitamin B12 (Cobalamin)
- Vitamin C (Ascorbic Acid)
- Vitamin A (Retinol, Retinoic Acid, Retinal)
- Vitamin K (Quinone) and Vitamin E (Tocopherols)
- Vitamin D (Calciferol, Calcitriol)
- Pregnancy Nutrition
- Newborn Feeding
- Considerations for Older Adults
- Malnutrition

Vitamins

- Vitamin A: Introduction
- Vitamin A: Steps in Light Detection
- Vitamin A: Color Detection, Visual Cycle and Retinoic Acid Function
- Vitamin D: Introduction
- Vitamin D3 and Calcium
- Vitamin D and Calcium Levels
- Vitamin D and Intracellular Actions
- Vitamin K
- Vitamin E

- Folate Metabolism and Recycling
- Folate Metabolism Overview and Health

Nutrition, Health Promotion & Maintenance

- Nutrition and Diets
- Nutrition: In a Nutshell
- Activity and Exercise
- Activity and Exercise: In a Nutshell
- Sleep and Health
- Sleep Hygiene and Factors Influencing Sleep
- Sleep: In a Nutshell

FEN (Fluids, Electrolytes, Nutrition)– Pediatric Nursing

- Pediatric Fluid Balance (Nursing)
- Pediatrics vs. Adult Fluid Differences (Nursing)
- Fluid Intake and Output (Nursing)
- Dehydration and Fluid Loss (Nursing)
- Acute and Chronic Diarrhea in Children (Nursing)
- Types of Dehydration: Hypotonic, Isotonic, and Hypertonic (Nursing)
- Dehydration: Signs and Symptoms and Diagnosis (Nursing)
- Dehydration: Case Study (Nursing)
- Oral Rehydration Therapy (Nursing)
- Calculating Daily Maintenance Fluid Requirements (Nursing)
- Management of Dehydration: Fluid Bolus Therapy (Nursing)
- Management of Dehydration: Fluid Bolus with Fluid Overload (Nursing)

- Fluid Overload (Nursing)
- Pediatric Case: Fluid Overload (Nursing)



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Pediatric Cardiology

- Diagnosis if a Baby is Blue and Hyperoxia Test
- Truncus Arteriosus and Transposition of the Great Vessels (TGV)
- Tricuspid Atresia
- Tetralogy of Fallot (TOF)
- Total Anomalous Pulmonary Venous Return (TAPVR)
- Hypoplastic Left Heart Syndrome (HLHS)
- Coarctation of the Aorta
- Hypertrophic Obstructive Cardiomyopathy (HOCM)
- Patent Ductus Arteriosus (PDA)
- Atrial Septal Defect (ASD)
- Ventricular Septal Defect (VSD)
- Infective Endocarditis (IE)
- Acquired Myocarditis
- Cardiomyopathy in Children
- Pericarditis
- Bradycardia (Slow Heart Rate)
- Tachyarrhythmias (Tachycardia): Definition
- Tachyarrhythmias (Tachycardia): Treatment

Pediatric Pulmonology

- Pediatric (Childhood) Asthma: Pathology, Signs & Symptoms
- Pediatric (Childhood) Asthma: Clinical Presentation
- Pediatric (Childhood) Asthma: Diagnosis & Treatment
- Pediatric Asthma: Management
- Bronchiolitis: Causes and Risks
- Bronchiolitis: Diagnosis
- Bronchiolitis: Clinical Presentation & Management

- Cystic Fibrosis (CF): Pathology
- Cystic Fibrosis (CF): Clinical Presentation, Signs & Symptoms
- Cystic Fibrosis (CF): Diagnosis & Management
- Chronic Lung Disease of Prematurity (Bronchopulmonary Dysplasia – BPD)
- Surfactant Deficiency
- Pulmonary Hypoplasia
- Diaphragmatic Hernia and Congenital Cystic Adenomatoid Malformation (CCAM)
- Pediatric Pulmonary Embolism (PE)
- Allergic Bronchopulmonary Aspergillosis (ABPA)
- Ciliary Dyskinesia
- Alpha-1 Antitrypsin Deficiency
- Pediatric Pneumothorax

Pediatric Gastroenterology

- Approach to Vomiting
- Pediatric Diarrhea: Pathology
- Pediatric Diarrhea: History & Physical Exam
- Pediatric Diarrhea: Lab Work & Imaging
- Conjugated Hyperbilirubinemia
- Alagille Syndrome
- Biliary Atresia
- Pediatric Choledochal Cysts
- Appendicitis in Children
- Pediatric Meckel's Diverticulum
- Intussusception in Children
- Pancreatitis in Children: Pathology
- Pancreatitis in Children: Signs, Symptoms, Diagnosis & Management

- Pediatric Cholecystitis (Inflammation of the Gallbladder)
- Failure to Thrive (FTT): Pathology
- Failure to Thrive (FTT): History & Physical Exam
- Failure to Thrive (FTT): Management
- Constipation in Children: Pathology & Clinical Presentation
- Constipation in Children: Diagnosis & Management
- Hirschsprung's Disease (Congenital Megacolon)
- Congenital Hypertrophic Pyloric Stenosis
- Duodenal Atresia in Children
- Intestinal Malrotation
- Gastroesophageal Reflux Disease (GERD): Pathology, Signs & Symptoms
- Gastroesophageal Reflux Disease (GERD): Diagnosis & Management
- Milk Protein Allergy in Children (Cow's Milk Protein Intolerance, CMPA)
- Celiac Disease in Children
- Pediatric Inflammatory Bowel Disease (IBD): Basics
- Pediatric Inflammatory Bowel Disease (IBD): Diagnosis
- Pediatric Inflammatory Bowel Disease (IBD): Management
- Fluid Replacement Therapy (FTP) in Children: Basics
- Fluid Replacement Therapy (FTP) in Children: Diagnosis
- Fluid Replacement Therapy (FTP) in Children: Management

Pediatric Endocrinology

- Tracking Growth in Children
- Understanding Short Stature in Children
- Growth Delay: Diagnosis & Management
- Normal Puberty in Children
- Precocious Puberty in Children
- Delayed Puberty in Children
- Inborn Errors of Metabolism: Metabolic Pathways

- Disorders of Carbohydrate Metabolism
- Disorders of Amino Acid Metabolism
- Defects of Fatty Acid Oxidation
- Urea Cycle Disorders
- Type 1 Diabetes (Juvenile Diabetes): Basics
- Type 1 Diabetes (Juvenile Diabetes): Typical Presentation
- Type 1 Diabetes (Juvenile Diabetes): Diagnosis
- Type 1 Diabetes (Juvenile Diabetes): Management
- Type 2 Diabetes (Adult Onset Diabetes)
- Diabetes Insipidus (DI) in Children
- SIADH (Syndrome of Inappropriate Antidiuretic Hormone Secretion) in Children
- Hyperthyroidism in Children
- Hypothyroidism in Children
- Congenital Adrenal Hyperplasia (CAH) in Children
- Cushing's Syndrome in Children
- Adrenal Insufficiency (Addison's Disease) in Children
- Calcium Homeostasis in Children
- Hypocalcemia in Children
- Hypercalcemia in Children

Pediatric Neurology

- Seizures in Children: Introduction
- Status Epilepticus: Management
- Generalized Seizure in Children
- Febrile Seizure
- Ataxia in Children
- Migraines and Headaches in Children
- Secondary Headache in Children

- Guillan-Barré Syndrome (GBS) and Acute Disseminated Encephalomyelitis (ADEM)
- Muscular Dystrophy in Children
- Spinal Muscular Atrophy (SMA) in Children
- Infant Botulism
- Myasthenia Gravis in Children
- Tuberous Sclerosis in Children
- Neurofibromatosis (NF) and Sturge Weber Syndrome
- Increased Intracranial Pressure (ICP), Hydrocephalus & Dandy-Walker Variant (DWV)
- Arnold-Chiari Malformations and Craniosynostosis
- Cerebral Palsy (CP)
- Intellectual Disability in Children
- Tics and Tourettes in Children

Pediatric Rheumatology and Orthopedics

- Juvenile Idiopathic Arthritis (JIA)
- Juvenile Idiopathic Arthritis (JIA): Diagnosis & Management
- Swollen Joint in Children: Reactive Arthritis & Transient Synovitis (TS)
- Systemic Lupus Erythematosus (SLE) in Children
- Systemic Lupus Erythematosus (SLE) in Children: Labs and Management
- Granulomatosis with Polyangiitis and Goodpasture Syndrome
- Henoch-Schönlein Purpura (HSP, Spring Fever)
- Kawasaki Disease (Mucocutaneous Lymph Node Syndrome)
- Developmental Dislocation (Dysplasia) of the Hip (DDH)
- Clubfoot (Talipes Equinovarus) and Metatarsus Adductus

- Pediatric Orthopedic Leg Problems: Blount's Disease, Legg–Calvé–Perthes Disease
- (LCPD), Slipped Capital Femoral Epiphysis (SCFE) and Osgood–Schlatter Disease (OSD)
- Nursemaid's Elbow
- Scoliosis in Children
- Osteogenesis Imperfecta (Brittle Bone Disease) in Children

Pediatric Nephrology and Urology

- Pediatric Hematuria (Blood in Urine)
- Pediatric Glomerulonephritis
- Pediatric Proteinuria (Protein in Urine)
- Tubular Proteinuria and Focal Segmental Glomerulosclerosis (FSGS)
- Workup of Proteinuria and Nephrotic Syndrome in Children
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- Renal Tubular Acidosis (RTA) in Children: Type 2 and 3
- Renal Tubular Acidosis (RTA) in Children: Type 4 and Review
- Pediatric Rhabdomyolysis
- Undescended Testicle in Children and Painful Testicle Syndrome

Pediatric Hematology

- Anemia in Children: Three Categories
- Anemia in Children: Severity and Diagnosis
- Direct and Indirect Coombs Tests
- Anemia in Children: Pathology and Diagnosis
- Pediatric Iron Deficiency Anemia, Vitamin B12 Deficiency, Folate Deficiency & Erythrocyte Aplasia
- Pediatric Pyruvate Kinase Deficiency, Autoimmune Hemolytic Anemia (AIHA) & Hereditary Spherocytosis
- Pediatric Bleeding Disorders: Von Willebrand Disease (VWD)
- Pediatric Bleeding Disorders: Hemophilia
- Hypercoagulability: Primary Causes
- Hypercoagulability: Secondary Causes
- Pediatric Sickle Cell Disease
- Hemoglobin SS Disease
- Pediatric Sickle Cell Disease: Management
- Pediatric Thalassemia
- Pediatric G6PD Deficiency
- Disseminated Intravascular Coagulation (DIC) in Children
- Idiopathic Thrombocytopenic Purpura (ITP)
- Pediatric Neutropenia

Pediatric Infectious Diseases

- The Febrile Baby: Introduction
- The Febrile Baby: Herpes Simplex Virus (HSV) Disease in the Neonate
- The Febrile Baby: Urinary Tract Infection (UTI), Bacteremia & Meningitis
- Infections of the Upper Pediatric Airway: Stomatitis (Oral Mucositis)
- Infections of the Upper Pediatric Airway: Peritonsillar Abscess (Quinsy)

- Infections of the Upper Pediatric Airway: Epiglottitis
- Infections of the Upper Pediatric Airway: Retropharyngeal Abscess
- Infections of the Upper Pediatric Airway: Croup
- Community-acquired Pneumonia (CAP): Pathology, Diagnosis, Signs & Symptoms
- Community-acquired Pneumonia (CAP): Management
- Mycoplasma Pneumonia in Children
- Pneumonia in Children: Pertussis (Whooping Cough)
- Meningitis in Children: Pathology and Diagnosis
- Meningitis in Children: Bacterial vs. Viral, Suspected Bacterial
- Orbital Cellulitis and Preseptal Cellulitis: Pathology & Clinical Presentation
- Orbital Cellulitis and Preseptal Cellulitis: Diagnosis & Management
- Cervical Lymphadenitis: Differential Diagnosis
- Bacterial Cervical Lymphadenitis: Management & Diagnosis
- Scarlet Fever and Rheumatic Fever in Children
- Tuberculosis (TB) in Children: Pathology & Diagnosis
- Tuberculosis (TB) in Children: Management
- Malaria in Children
- Mononucleosis (Mono) in Children
- HIV in Children: Pathology, Clinical Presentation & Diagnosis
- HIV in Children: Management & Prevention
- Toxic Shock Syndrome (TSS) in Children
- Urinary Tract Infections (UTI, Bladder Infection) in Children: Pathology & Diagnosis
- Urinary Tract Infections (UTI, Bladder Infection) in Children: Management
- Urinary Tract Infections (UTI, Bladder Infection) in Children: Underlying Renal Abnormalities & Prevention
- Skin and Soft Tissue Infections (SSTI) in Children: Pathology, Clinical Presentation & Diagnosis
- Skin and Soft Tissue Infections (SSTI) in Children: Management

- Osteomyelitis (Bone Infection) and Septic Arthritis in Children: Pathology
- Septic Arthritis in Children
- Osteomyelitis (Bone Infection) and Chronic Recurrent Multifocal Osteomyelitis (CRMO) in Children
- Immunizations in the United States: Introduction
- Immunizations in the United States: Vaccines
- Immunizations in the United States: Combined Vaccines and Special Considerations
- Tick-Borne Disease, Lyme Disease, Rocky Mountain Spotted Fever (RMSF) & Ehrlichiosis

Pediatric Allergy and Immunology

- Urticaria (Hives) and Angioedema in Children
- Anaphylaxis and Food Allergy (Hypersensitivity) in Children
- T-Cell Deficiency, Severe Combined Immunodeficiency (SCID), Ataxia-Telangiectasia, Wiskott–Aldrich syndrome (WAS) & DiGeorge Syndrome
- Chronic Granulomatous Disease (CGD)
- Humoral Immune Deficiency

Pediatric Dermatology

- Eczema in Children
- Seborrheic Dermatitis, Psoriasis and Impetigo in Children
- Erythema Multiforme and Stevens-Johnson Syndrome (SJS) in Children
- Serum Sickness in Children
- Drug Reaction with Eosinophilia and Systemic Symptoms (DRESS)
- Hemangioma

- Nevus (Moles) in Children
- Scabies, Head Lice (Pediculosis Capitis) and Tinea Corporis (Ringworm) in Children
- Pityriasis Rosea in Children
- Warts (Verruca Vulgaris) and Molluscum Contagiosum in Children
- Hair Loss in Children: Alopecia Areata, Nevus Sebaceus, Traction Alopecia & Trichotillomania (TTM)

Adolescent Medicine

- Dysfunctional Uterine Bleeding (DUB) in Adolescent Girls
- Dysmenorrhea in Adolescent Girls
- Contraception for Adolescent
- Managing Contraceptive Use
- Primary Amenorrhea: Physical Exam
- Secondary Amenorrhea (Adolescent Medicine)
- Vaginitis in Adolescent Girls
- Urethritis in Adolescents
- Pelvic Inflammatory Disease (PID) in Adolescents
- Human Papilloma Virus (HPV) and Genital Warts in Adolescents
- Genital Herpes in Adolescents
- Syphilis in Adolescents
- Breast Masses in Adolescent Girls: Fibroadenoma & Mastitis
- Scrotal Masses in Adolescent Males: Testicular Torsion, Epididymitis, Hydrocele & Varicocele
- Gynecomastia in Adolescent Males
- Depression and Suicide in Adolescents
- Substance Abuse in Adolescents
- Acute Management of Drug Overdose in Adolescents
- Eating Disorders in Adolescents: Bulimia Nervosa & Anorexia Nervosa

Neonatology (Newborn Medicine)

- Neonatology (Newborn Medicine): Introduction
- Neonatal Resuscitation
- Newborn Physical Exam (Part 1)
- Newborn Physical Exam (Part 2)
- Breastfeeding and Anticipatory Guidance for New Parents
- Breastfeeding Problems
- General Infant Care
- Prematurity and Respiratory Distress Syndrome (RDS)
- Apnea of Prematurity and Necrotizing Enterocolitis (NEC)
- Intraventricular Hemorrhage (IVH)
- Infant of a Diabetic Mother
- Laryngomalacia and Tracheomalacia
- Tracheoesophageal Fistula (TEF)
- Neonatal Hyperbilirubinemia (Neonatal Jaundice)
- Unconjugated Hyperbilirubinemia
- Neonatal Hyperbilirubinemia (Neonatal Jaundice): Evaluation of a Baby
- Gastroschisis and Omphalocele
- Neonatal Abstinence Syndrome (NAS)
- Congenital Toxoplasmosis
- Congenital Syphilis
- HIV in Infants: Perinatal Transmission and Management
- Congenital Rubella (German Measles) and Cytomegalovirus Infection (CMV)
- Congenital Herpes Simplex Virus (HSV)

Child Development and Behavior

- Attention-Deficit/Hyperactivity Disorder (ADHD)
- ADHD: Diagnosis
- ADHD: Management
- Autism Spectrum Disorders (ASD)
- Vaccine-Autism-Connection and Clinical Diagnosis
- Sleep Problems in Children
- Baby Colic and Breath Holding Spells
- Toilet Training
- Enuresis
- Encopresis

Pediatric Genetics

- Trisomy 21
- Trisomy 21: Prenatal Screening
- Trisomy 18 and Trisomy 13
- Klinefelter (XXY) and Turner Syndrome (Gonadal Dysgenesis)
- DiGeorge Syndrome
- Williams Syndrome
- Fragile X Syndrome (FXS, Martin-Bell Syndrome)
- Prader-Willi (PWS) and Angelman Syndrome (AS, Happy Puppet Syndrome) in Children
- Marfan Syndrome (MFS)
- Ehlers-Danlos Syndrome (EDS, Elastic Skin)
- CHARGE and VACTERL
- Treacher-Collins Syndrome (TCS) and Pierre Robin Sequence
- Fetal Alcohol Syndrome (FAS)

Pediatric Emergency Medicine

- Red Eye and Orbital Trauma
- Shock in Children
- Treatment of Shock
- Pediatric Primary and Secondary Survey: Introduction
- Pediatric Primary Survey
- Pediatric Secondary Survey
- Burns in Children
- Treatment of Burns
- Common Poisonings in Children
- Aspirin Toxicity
- Acetaminophen Toxicity in Children
- Hypoglycemic Agents, Caustic Agents and Drugs of Abuse

Rheumatology – Pathology

- Lead Poisoning (Plumbism) in Children
- When Babies Stop Breathing: ALTE, BRUE and SIDS
- Sudden Infant Death Syndrome (SIDS)
- Child Abuse
- Child Abuse: Diagnosis and Management
- Sexual Abuse of Children
- Lacerations, Wounds and Bites in Children
- Treatment of Lacerations
- Pediatric Bone Fractures
- Greenstick-, Buckle-, Apophyseal Avulsion-, Supracondylar and Toddler's Fractures
- Epistaxis and Nasal Trauma

- Sinusitis (Sinus Infection) in Children
- Otitis Media (Middle Ear Infection) in Children
- Otitis Externa (Swimmer's Ear) and Mastoiditis in Children

Pediatric Oncology

- Leukemia in Children
- Leukemia in Children: General Symptoms
- Lymphoma in Children
- Central Nervous System Tumors in Children
- 3 Major Types of CNS Tumors: Medulloblastoma & Primitive Neuroectodermal Tumor (PNET), Ependymoma and Glioma
- Neuroblastoma in Children
- Wilms Tumor
- Retinoblastoma in Children

Pediatric Radiology

- Pediatric Fractures
- Chest Abnormalities in Pediatric Radiology
- Bowel Abnormalities in Pediatric Radiology

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Introduction to the Physical Exam

- Purpose of the Physical Exam
- Physical Exam Likelihood Ratios

Examination of Cardiovascular and Respiratory System

- Patient Introduction and Review of Lung and Heart Anatomy
- Examination of the Cardiovascular System
- Auscultation of the Heart: Heart Sounds
- Auscultation of the Heart: Systolic Murmurs
- Aortic Stenosis – Systolic Murmurs
- Mitral Regurgitation – Systolic Murmurs
- Tricuspid Regurgitation – Systolic Murmurs
- Hypertrophic Obstructive Cardiomyopathy – Systolic Murmurs
- Functional or Flow Murmur – Systolic Murmurs
- Auscultation of the Heart: Diastolic Murmurs
- Palpation and Percussion of the Heart
- Intravascular Volume Assessment – Findings in Heart Failure
- Peripheral Edema – Findings in Heart Failure
- Physical Exam Findings in Pericarditis
- Physical Exam Findings in Spontaneous Bacterial Endocarditis
- Physical Exam Findings in Peripheral Artery Disease (PAD)
- Quick Review: Examination of the Cardiovascular System
- Inspection of the Chest – Lung Examination
- Auscultation of the Lungs: Breath Sounds
- Percussion of the Chest – Lung Examination

- Special Tests in the Lung Examination
- Quick Review: Examination of the Respiratory System

Examination of the Head and Neck Region

- Patient Introduction and Review of Head and Neck Anatomy
- Examination of the Head, Neck, and Ears
- Examination of the Nose and Mouth
- Patient Introduction and Review of Eye Anatomy
- Examination of the Eye
- Fundoscopic Examination
- Quick Review: Examination of the Head, Neck, and Eye
- Examination of the Thyroid
- Physical Exam Findings in Hypothyroidism, Hyperthyroidism, and Graves' Disease
- Quick Review: Examination of the Thyroid

Examination of the Abdominal Region

- Patient Introduction and Review of the Abdominal Anatomy
- Examination of the Abdomen
- Physical Exam Findings in Cirrhosis
- Physical Exam Findings of Cholecystitis and Appendicitis
- Abdominal Wall Tenderness Test
- Quick Review: Examination of the Abdominal Region

Examination of the Skin

- Patient Introduction and Review of the Etiology of Rash
- Examination of the Skin and the Mucosal Surfaces
- Examination of the Scalp
- Quick Review: Examination of the Skin

Examinations of the Neck and Back Region

- Patient Introduction and Review of Neck and Back Anatomy
- Etiologies of Neck and Back Pain
- Examination of the Neck and Back
- Examination of the Hip
- Quick Review: Examination of the Neck, Back, and Hip
- Review of the Motor Neuron and Motor Neuron Injuries
- Strength Testing
- Reflex Testing
- Sensory Examination
- Tests for Cervical and Lumbar Radiculopathy
- Quick Review: Examination of the Motor Neurons

Examination of the Upper Extremities

- Patient Introduction and Review of the Shoulder Anatomy
- Examination of the Shoulder
- Rotator Cuff Tear Tests
- Additional Structures Testing

- Quick Review: Examination of the Shoulder
- Patient Introduction and Review of Hand Anatomy
- Examination of the Hand and Wrist
- Physical Exam Findings in Hand, Wrist, and Elbow
- Quick Review: Examination of the Hand, Wrist, and Elbow

Examination of the Lower Extremities

- Patient Introduction and Review of the Knee Anatomy
- Examination of the Knee
- Physical Findings in Knee Pain
- Quick Review: Examination of the Knee
- Patient Introduction and Review of Foot and Ankle Anatomy
- Examination of the Foot and Ankle
- Quick Review: Examination of the Foot and Ankle

Examination of the Male and Female Genitourinary System

- Patient Introduction and Review of Anatomy of the Male Genitourinary System
- Examination of the Male Genitourinary System
- Examination of the Rectum and Prostate
- Quick Review: Examination of the Male Genitourinary System
- Patient Introduction and Review of Anatomy of the Female Genitourinary System
- Female Pelvic Exam: Bimanual Examination
- Female Pelvic Exam: Speculum Examination

- Quick Review: Examination of the Female Genitourinary System

Examination of the Breast and Lymph System

- Patient Introduction and Review of Breast Anatomy and the Lymph System
- Examination of the Breast
- Quick Review: Examination of the Breast
- Examination of the Lymphatic System
- Quick Review: Examination of the Lymphatic System

Examination of the Nervous System

- Patient Introduction and Review of the Etiology of Headache
- Examination of the Cranial Nerves I – VI
- Examination of the Cranial Nerves VII – XII
- Examination of the Cerebellum
- Examination of Cortical Sensation
- Physical Findings in Meningitis
- Quick Review: Examination of the Cranial Nerves

Psychiatry

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Psychiatric Assessment

- Psychiatric History
- Taking the History
- Mental Status Exam
- Suicide Risk Assessment
- Biopsychosocial Formulation
- Types and Application of Psychotherapy
- Types of Psychotherapy

Psychiatric Assessment

- Behavioral Theories and Sigmund Freud
- Mature Defenses
- Neurotic Defenses
- Immature Defenses
- Other Defenses
- Overview of Personality Disorders
- Cluster A Personality Disorders
- Cluster B Personality Disorders
- Cluster C Personality Disorders

Schizophrenia & Thought Disorders

- Psychosis, Delusions and Hallucinations
- Thought Disorders
- Schizophrenia: Epidemiology and Pathophysiology
- Schizophrenia: Assessment
- Schizophrenia: Treatment

- Antipsychotics
- Neuroleptic Malignant Syndrome and Catatonia
- Atypical Antipsychotics

Mood Disorders

- Depression: Definition and Pathogenesis
- Depression: Diagnosis and Symptoms
- Depression: Types
- Depression: Screening and Treatment
- Antidepressants
- Major Depression: Treatment
- Bipolar Disorder: Definition, Types and Diagnosis
- Bipolar Disorder: Causes, Assessment
- Bipolar Disorder: Diagnosis and Major Depression
- Bipolar Disorder: Treatment
- Mood Stabilizers

Anxiety & Stress Related Disorders

- Panic and Agoraphobia
- Panic: Diagnosis and Management
- Cognitive Behavioral Therapy (CBT)
- Obsessive Compulsive Disorder (OCD)
- OCD: Types, Assessment and Treatment
- Phobias
- Post-Traumatic Stress Disorder (PTSD)
- PTSD: Management
- Anxiolytics

Control Disorders

- Substance-related Disorders and Addictive Disorders
- Alcohol and Delirium
- Wernicke Encephalopathy and Korsakoff's Syndrome
- Substance-related Disorders
- Impulse Control Disorder
- Intermittent Explosive Disorder (IED)
- Gambling Disorder
- Kleptomania
- Pyromania
- Trichotillomania (TTM)
- Eating Disorders
- Bulimia Nervosa
- Binge Eating Disorder

Mild & Major Neurocognitive Disorders

- Assessing Cognitive Disorders
- Neurocognitive Disorders
- Neurocognitive Disorders: Causes
- Delirium
- Delirium: Diagnosis and Management
- Difference between Delirium and Dementia
- Childhood Development
- Disruptive Behavioral Disorders
- Attention-Deficit/Hyperactivity Disorder (ADHD): Diagnosis
- ADHD: Management
- Pervasive Developmental Disorders

- Disorders and Treatment Considerations in Older Adults: Depression

Dissociative Disorders

- Dissociative Disorders: Overview
- Dissociative Amnesia
- Dissociative Fugue
- Dissociative Identity Disorder
- Depersonalization and Derealization Disorder
- Somatization
- Somatization Disorder
- Somatization Disorder Assessment
- Past Medical Illness
- Somatic Symptom and Other Disorders
- Psychological Factors Affecting Other Medical Conditions
- Body Dysmorphic Disorder and Pain Disorder
- Malingering

Forensic Psychiatry

- Forensic Psychiatry: Introduction
- Informed Consent, Competency and Capacity
- Criminal Matters
- Malpractice

Psychopharmacology

- Overview of Sedative and Hypnotic Drugs – Sedative Hypnotics
- Benzodiazepines – Sedative Hypnotics
- Barbiturates – Sedative Hypnotics

- Atypical Sedative Drugs
- Questions – Sedative Hypnotics
- Case Study – Sedative Hypnotics
- Overview – Antidepressants
- Monoamine Oxidase Inhibitors (MAOIs) – Antidepressants
- Tricyclic Antidepressants (TCAs) – Antidepressants
- Heterocyclic Antidepressants (HCAs)
- SNRIs, Serotonin Antagonists and SSRIs – Antidepressants
- Review – Antidepressants
- Antidepressants: Case Study
- Overview – Antipsychotics
- Effects of Increasing and Decreasing Dopamine – Antipsychotics
- Bipolar Disorder Medication – Antipsychotics
- Psychotic Disorder Medication – Antipsychotics



Pulmonology

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Infections of the Respiratory Tract

- Respiratory Tract Infections: Introduction
- Respiratory Tract Infections: Classification
- Bronchitis
- Pneumonia: Overview
- Pneumonia: Classification
- Pneumonia: Signs and Symptoms
- Pneumonia: Diagnosis
- Pneumonia: Treatment
- Complications of Community Acquired Pneumonia
- Other Types of Pneumonia
- Bronchitis and Pneumonia: Summary
- Influenza Virus
- Subacute Lung Infections
- Tuberculosis: Epidemiology, Cause and Pathogenesis
- Tuberculosis Pathogenesis
- Clinical Manifestations and TB Case Histories
- Diagnosis of Tuberculosis
- Treatment of Tuberculosis
- Outcome of TB
- Tuberculosis: Summary

Coronavirus

- Coronaviridae: Overview
- Characteristics of COVID-19
- COVID-19: Transmission
- COVID-19: Basic Reproduction Number

- COVID-19: Case Fatality Rate (CFR) & Infection Fatality Rate (IFR)
- COVID-19: Epidemiology
- COVID-19: Pathogenesis
- COVID-19: Clinical Aspects
- COVID-19: Complications
- COVID-19: Diagnosis and Treatment
- COVID-19: Prevention
- COVID-19: Vaccines
- COVID-19: Efficacy, Effectiveness, and Side Effects of Vaccines
- COVID-19: Challenges and Prospects of Vaccine Development
- COVID-19: Clinical Case

Airway Diseases

- Asthma: Lower Airways Obstruction
- Asthma: Clinical History
- Asthma: Subtypes and Diagnosis
- Asthma: Treatment
- Asthma: Acute Exacerbations
- Asthma: Complications
- Chronic Obstructive Pulmonary Disease (COPD): Overview
- Chronic Obstructive Pulmonary Disease (COPD): Symptoms
- Chronic Obstructive Pulmonary Disease (COPD): Clinical Signs
- Chronic Obstructive Pulmonary Disease (COPD): Tests & Investigations
- Chronic Obstructive Pulmonary Disease (COPD): Treatment
- Chronic Obstructive Pulmonary Disease (COPD): Acute Exacerbation
- Chronic Obstructive Pulmonary Disease (COPD): Complications and Associations
- Chronic Obstructive Pulmonary Disease (COPD): Summary
- Large Airways Obstruction: Causes

- Large Airways Obstruction: Investigation and Treatment
- Bronchiectasis: Overview and Causes
- Bronchiectasis: Presentation and Clinical Signs
- Bronchiectasis: Diagnosis and Treatment
- Cystic Fibrosis and ABPA
- Hemoptysis and Major Hemoptysis: Definition and Treatment
- Other Airways Diseases: Summary

Interstitial Lung Disease (ILD)

- Interstitial Lung Disease (ILD): Overview
- Interstitial Lung Disease (ILD): Pathology
- Pulmonary Fibrosis
- Pulmonary Fibrosis: Signs and Investigation
- Pulmonary Fibrosis: Clinical Recognition and CT Scans
- Pulmonary Fibrosis: Invasive Tests and Treatment
- Hypersensitivity Pneumonitis
- Pneumoconiosis
- Sarcoidosis
- Sarcoidosis: Extrapulmonary Manifestations
- Sarcoidosis: Histological Confirmation

Lung Cancer

- Lung Cancer and Tumors: Overview
- Lung Cancer and Tumors: Pathogenesis
- Lung Cancer and Tumors: Presentation
- Local Invasion and Metastases
- Distal Metastases
- Paraneoplastic Syndromes

- Differential Diagnosis of Suspected Lung Cancer
- Investigation of Suspected Lung Cancer
 - Lung Cancer and Tumors
- Lung Cancer Staging (TNM)
- Treatment: Curable and Incurable NSCLC
- Treatment: SCLC
- Mesothelioma: Presentation and Management
- Pulmonary Fibrosis
- Less Common Lung Tumors
- Lung Cancer and Tumors: Summary

Pulmonary Vascular Disease

- Pulmonary Vascular Disease: Introduction
- Pulmonary Emboli
- Diagnosis of Acute PE
- Treatment of PE
- Pulmonary Hypertension
- Chronic PE (Primary Pulmonary Hypertension)
- Treatment of Pulmonary Hypertension
- Cor Pulmonale
- Pulmonary Vasculitis

Pleural Disease

- Pleural Disease: Introduction
- Transudates vs. Exudates
- Unilateral Pleural Effusions
- Pleural Tap
- Pleural Biopsy

- Pneumothorax
- Tension Pneumothorax
- Empyema
- Pleural Thickening
- Asbestos Exposure and Pleural Disease

Other Respiratory Disorders

- Disorders of Respiratory Physiology
- Acute Respiratory Distress Syndrome
- Patterns of Acid-base Disorders
- Treatment of Type 2 Respiratory Failure
- Obstructive Sleep Apnea
- Obesity Hypoventilation Syndrome
- Chest Wall and Muscle Disease

Pediatric Pulmonology

- Pediatric (Childhood) Asthma: Pathology, Signs & Symptoms
- Pediatric (Childhood) Asthma: Clinical Presentation
- Pediatric (Childhood) Asthma: Diagnosis & Treatment
- Pediatric Asthma: Management
- Bronchiolitis: Causes and Risks
- Bronchiolitis: Diagnosis
- Bronchiolitis: Clinical Presentation & Management
- Cystic Fibrosis (CF): Pathology
- Cystic Fibrosis (CF): Clinical Presentation, Signs & Symptoms
- Cystic Fibrosis (CF): Diagnosis & Management
- Chronic Lung Disease of Prematurity (Bronchopulmonary Dysplasia BPD)
- Surfactant Deficiency

- Pulmonary Hypoplasia
- Diaphragmatic Hernia and Congenital Cystic Adenomatoid Malformation (CCAM)
- Pediatric Pulmonary Embolism (PE)
- Allergic Bronchopulmonary Aspergillosis (ABPA)
- Ciliary Dyskinesia
- Alpha-1 Antitrypsin Deficiency
- Pediatric Pneumothorax



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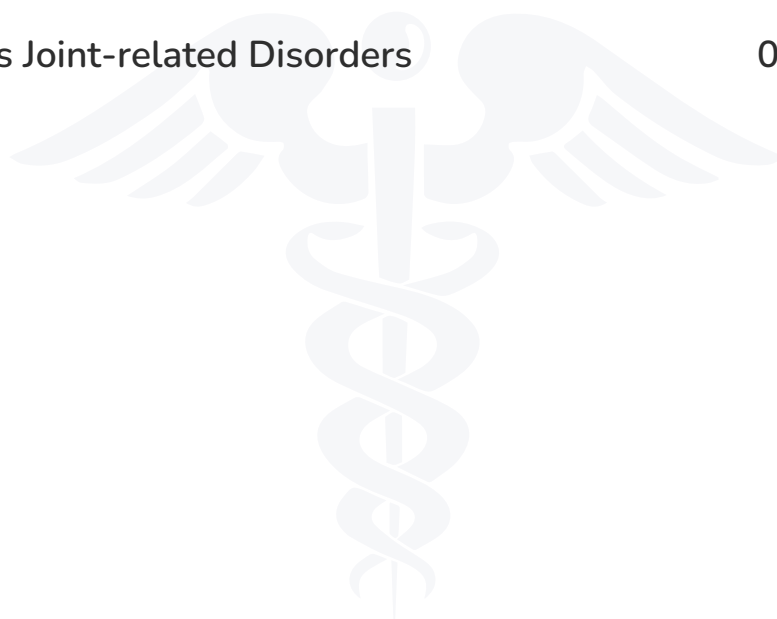


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Rheumatology

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General Approach to Arthritis and Joint Pain

- Rheuma Case: 68-year-old Woman with Knee Pain
- Rheuma Case: 73-year-old Woman with Shoulder Pain
- Rheuma Case: 33-year-old Man with Posterior Heel Pain
- Approach to Arthritis: Review
- Rheuma Case: 54-year-old Man with Shoulder Pain
- Review: Shoulder Pathology and Anatomy
- Rotator Cuff Anatomy and Disease
- Adhesive Capsulitis (Frozen Shoulder)
- Rheuma Case: 54-year-old Woman with Acute Right Shoulder Pain
- Rheuma Case: 63-year-old Woman with Increasing Right Shoulder Pain

Connective Tissue Diseases

- Rheuma Case: 59-year-old Man with Bilateral Wrist Pain and Swelling
- Rheumatoid Arthritis: Diagnosis, Pathogenesis, and Treatment
- Quick Review: Rheumatoid Arthritis
- Rheuma Case: 24-year-old Woman with Pleuritic Chest Pain and Dyspnea
- Systemic Lupus Erythematosus (SLE) Diagnostic Criteria (4-Skin-RASH-NIA)
- Differential Diagnosis for Systemic Lupus Erythematosus (SLE)
- Systemic Lupus Erythematosus (SLE): Complications and Management
- Quick Review: Drug-induced Lupus and Systemic Lupus Erythematosus (SLE)
- Rheuma Case: 57-year-old Man with Muscle Weakness
- Inflammatory Myopathies: Types, Diagnosis, Manifestations, Treatment
- Quick Review: Inflammatory Myopathies

- Rheuma Case: 37-year-old Woman with Reflux and Facial Rash
- Systemic Sclerosis (CREST Syndrome): Complications and Management
- Quick Review: Systemic Sclerosis
- Rheuma Case: 54-year-old Woman with Seasonal Allergies
- Sjögren's Syndrome: Key Features and Management
- Quick Review: Sjögren's Syndrome

Spondyloarthritides

- Spondyloarthritides
- Rheuma Case: 26-year-old Woman with Persistent Low Back Pain
- Ankylosing Spondylitis: Complications and Treatment
- Rheuma Case: 37-year-old Woman with Joint Pain
- Reactive Arthritis: Diagnosis and Management
- Rheuma Case: 46-year-old Man with Increasing Pain/Swelling in Fingers
- Psoriatic Arthritis: Diagnosis and Management
- Quick Review: Spondyloarthritides

Non-Autoimmune Arthritis

- Rheuma Case: 27-year-old Man with Cough and Dyspnea
- Rheuma Case: 62-year-old Woman with Sore Legs and Dyspnea
- Sarcoidosis: Complications and Management
- Quick Review: Sarcoidosis
- Rheuma Case: 31-year-old Woman with Body Aches
- Fibromyalgia: Diagnosis and Management
- Quick Review: Fibromyalgia
- Rheuma Case: 48-year-old Man with Fevers, R Knee Pain and Swelling
- Non-gonococcal Septic Arthritis: Initial Treatment and Management
- Quick Review: Septic Arthritis

Vasculitides

- Rheuma Case: 37-year-old Woman with Dyspnea and Abdominal Pain
- Vasculitis: Overview
- Polyarteritis Nodosa
- Anti-GBM Disease (Goodpasture's)
- ANCA-associated Vasculitis
- Eosinophilic Granulomatosis with Polyangiitis: Diagnosis and Management
- Rheuma Case: 14-year-old Girl with Abdominal Pain and Rash
- Kawasaki Disease: Features and Manifestations
- Large Vessel Vasculitides: Takayasu's and Giant Cell Arteritis
- Cryoglobulinemic Vasculitis
- IgA Vasculitis (Henoch-Schönlein)
- Quick Review: Vasculitis

Miscellaneous Joint-related Disorders

- Rheuma Case: 52-year-old Man with Chronic Right Knee Pain
- Osteoarthritis: Risk Factors and Radiography
- Rheuma Case: 49-year-old Woman with R Proximal Thumb Pain
- Osteoarthritis: Treatment
- Quick Review: Osteoarthritis
- Rheuma Case: 51-year-old Man with R Knee and L Ankle Pain
- Gout: History, Pathophysiology
- Gout: Diagnosis and Treatment
- Pseudogout (CPPD)
- Quick Review: Gout and Pseudogout

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Effective Communication in the Workplace (EN)	07 Videos
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Why Mediversal?

	Mediversal	
CPD hours/ Credit	✓ 110 hours/Credit	⚠ 3—50 hours/Credit
NMC Guideline	✓ Advantages in accordance with provision 1.4.2 of NMC regulations	⚠ Not all. (Very few)
Renowned International faculties	✓ Yes	⚠ Only for few subjects
Faculty to learner ratio	✓ 1:10	✓ 1:50 or 1:75
Case based learning	✓ Yes	✗ No
AI supported learning	✓ Yes	✗ No
Live Interaction Sessions	✓ Yes	✗ No
Clinical Attachments	✓ Yes (Case to Case basis)	✓ Yes
Associated with Hospitals for Clinical Training	✓ Yes	✓ Yes
Books	✓ Yes (Printable Pdf copy)	✗ No
Complementary e-Learning Module & Certification	✓ Yes	✗ No
Learner Support	✓ Yes	✗ No
Community of Doctors for peer support (Mediversal Alumni only)	✓ Yes	✗ No
Alumni Support	✓ Yes	⚠ Only a few
e-Certification	✓ Yes	✓ Yes
Physical Certification	✓ Yes	⚠ Only a few
Lifetime certificate validity	✓ Yes	✓ Yes
Digital Marketing and Business Support for your hospital/clinic	✓ Yes	✗ No
Admission process	✓ Smooth, Transparent & all details provided	⚠ Spamming through multiple channels.
Data and privacy protection	✓ Yes	✗ No
CME access	✓ Yes (Lifetime)	✗ No
Medico Legal Session	✓ Yes (Free. By renowned high court advocates)	✗ No
National Level Felicitation Award (for Mediversal Alumni)	✓ Yes	✗ No



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