



Pharmacology

Pharmacology

Overview

Pharmacology is the branch of medicine concerned with studying the composition, uses, effects, and modes of action of drugs, especially with relation to their therapeutic value. It is heavily reliant on the previous comprehension of basic sciences, such as chemistry and physiology.

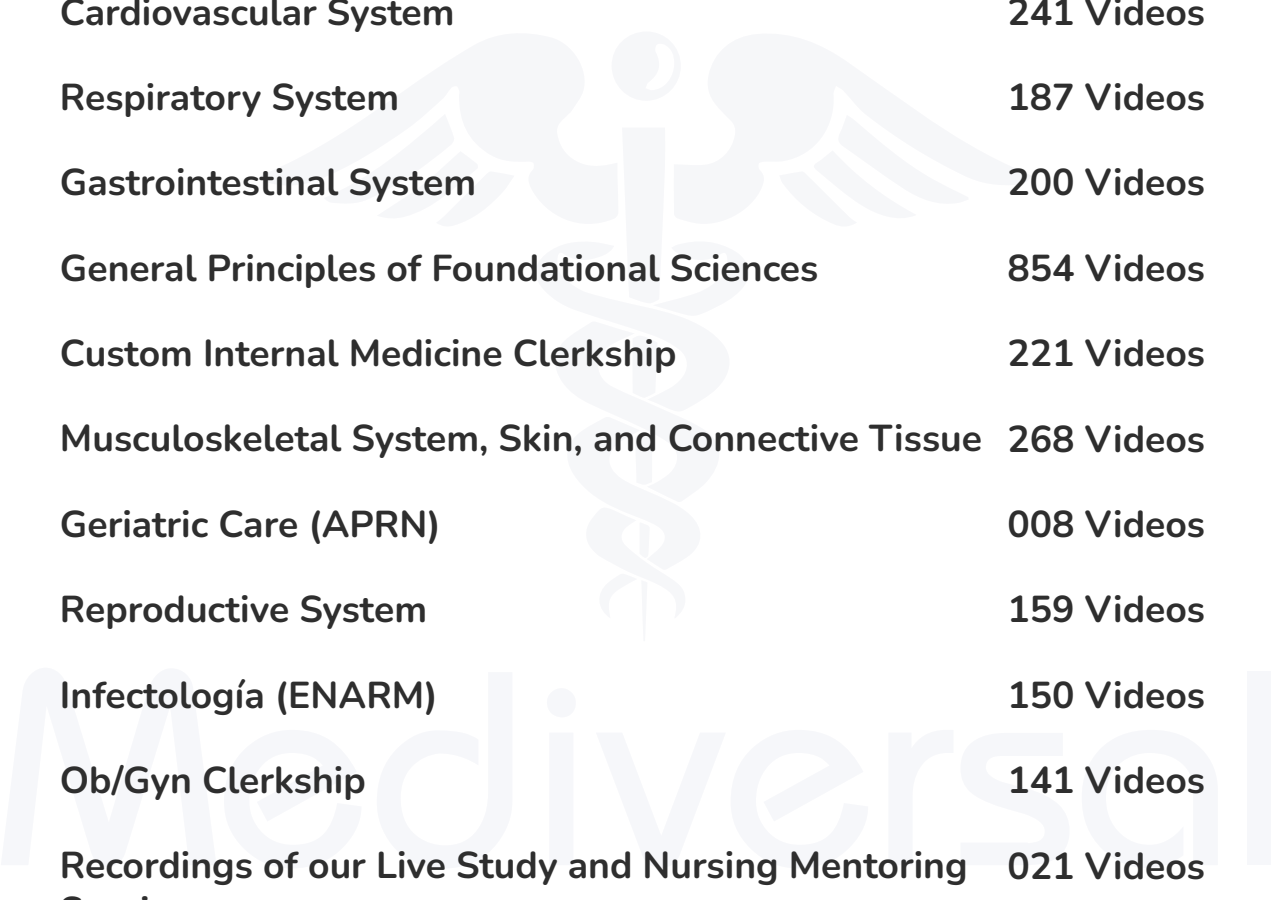
It is important to relate pharmacologic concepts to the normal physiologic processes of the human body. The study of pharmacology and administration of medications is not an isolated field of medicine. It is one of the focal points of modern science and research activities.

A solid grasp of pharmacology allows one to manage or even cure thousands of conditions. From choosing the correct antibiotic for a specific infection, or correcting a hormonal imbalance, to avoiding life-threatening drug interactions, the study of pharmacology is the basis of therapeutic medicine.

Mediversal

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Inflammation Pharmacology

- Pharmacology of Inflammation
- Acetylsalicylic Acid (ASA)
- Nonsteroidal Anti-Inflammatory Drugs (NSAIDs)
- COX-2 Inhibitors
- Disease Modifying Anti Rheumatic Agents (DMARDS)
- Immunosuppressive Drugs: Overview
- Interleukin-1 and Interleukin-6 Inhibitor – Immunosuppressive Drugs
- T Cell and B Cell Inhibitors – Immunosuppressive Drugs
- Case Study – Immunosuppressive Drugs
- Gout Medication: Colchicine, Uric Acid and More
- Inflammation Pharmacology Questions

Reproductive Pharmacology

- Overview – Reproductive Pharmacology
- Estrogens and Progestins – Reproductive Pharmacology
- Anti-Estrogens and Antiprogestins – Reproductive Pharmacology
- Androgens and Antiandrogens
- Questions and Case Studies – Reproductive Pharmacology

Endocrine Pharmacology

- Introduction to Insulin
- Insulin Types and Glycemic Excursions – Diabetes Medications
- Secretagogues and Biguanides – Diabetes Medications
- Metformin, Alpha Glucosidase Inhibitors and Thiazolidinediones — Diabetes Medications
- DPP-4 Inhibitors and GLP-1 Analogues — Diabetes Medications
- SGLT2 Inhibitors – Diabetes Medications
- Case Studies – Diabetes Medications
- Diabetes Medications – Summary
- Overview – Adrenal Pharmacology
- Mineralocorticoids and Glucocorticoids – Adrenal Pharmacology
- Catecholamines – Adrenal Pharmacology
- Questions and Case Studies – Adrenal Pharmacology
- Drugs for Hypothyroidism – Thyroid Medications
- Drugs for Hyperthyroidism – Thyroid Medications
- Hormonal Regulators: PTH and Vitamin D – Bone and Calcium Medications
- Hormonal Regulators: Calcitonin, Estrogen and Glucocorticoids – Bone and Calcium Medications
- Non-hormonal Regulators: Bisphosphonates, Fluoride and Calcimimetics – Bone and Calcium Medications

- Biological Agents: RANKL Inhibitors – Bone and Calcium Medications
- Case Studies – Bone and Calcium Medications

Respiratory Pharmacology

- Asthma Medications
- Bronchodilators
- Corticosteroids
- Leukotriene Receptor Antagonists
- Release Inhibitors and IgE-Antibody-mediated Therapy
- Biological Agents: Monoclonal Antibodies
- Asthma Medication Questions

Cardiovascular Pharmacology

- Introduction to High Blood Pressure Medication – Drugs in Hypertension
- Diuretics – Drugs in Hypertension
- Renin Angiotensin Aldosterone – Drugs in Hypertension
- Vasodilators – Drugs in Hypertension
- Alpha Agonists – Drugs in Hypertension
- Beta Blockers – Drugs in Hypertension
- Postganglionic Sympathetic Nerve Terminal Blockers and Monoamine Oxidase Inhibitors – Drugs in Hypertension
- Lines of Therapy – Drugs in Hypertension
- Pulmonary Hypertension Medication – Drugs in Hypertension
- Questions and Case Studies – Drugs in Hypertension
- Introduction – Heart Failure and Angina Management
- Nitrates – Heart Failure and Angina Management
- Cardiac Depressants and Vasodilators – Heart Failure and Angina Management

- Metabolic Modifiers and Slow Sodium Channel Inhibitors – Heart Failure and Angina Management
- Inotropes – Heart Failure and Angina Management
- Vasodilators – Heart Failure and Angina Management
- Renin-Angiotensin Agents and Beta Blockers – Heart Failure and Angina Management
- Slow Sodium Channel and Neprilysin Inhibitors – Heart Failure and Angina Management
- Questions – Heart Failure and Angina Management
- Introduction – Antiarrhythmic Drugs
- Group 1: Sodium Channel Blockers – Antiarrhythmic Drugs
- Group 2: Beta Blockers – Antiarrhythmic Drugs
- Group 3: Potassium Channel Blockers – Antiarrhythmic Drugs
- Group 4: Calcium Channel Blockers – Antiarrhythmic Drugs
- Group 5: Other Antiarrhythmics – Antiarrhythmic Drugs
- Questions – Antiarrhythmic Drugs
- Bile Acid Sequestrants, Niacin and Fibrates – Lipid Control
- HMG-CoA Reductase Inhibitors – Lipid Control
- Fat Absorption and MTP Inhibitors – Lipid Control
- PCSK9 Inhibitors – Lipid Control
- Questions – Lipid Control

ANS - Pharmacology

- Autonomic Nervous System (ANS): Overview
- Dual Innervation
- Alpha- and Beta-Blockers
- Sympathetic Blockers
- Sympathomimetic Activators
- Sympathomimetic Effects

- Global Effect of Sympathomimetic Drugs on the Vascular System
- Cholinomimetic Activators and Effects
- Cholinergic Toxicity, Myasthenic Crisis and Cholinergic Crisis
- Anticholinergic Drugs

CNS - Pharmacology

- 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
- Clinical Uses of Antipsychotics and Drug Induced Dyskinesia
- Questions – Antipsychotics
- Dopamine Hypothesis – Medication of Movement Disorders
- Dopamine Precursors and Agonists – Treatment of Movement Disorders
- MAO and COMT Inhibitors – Treatment of Movement Disorders
- Amantadine and Anticholinergics – Medication of Movement Disorders

- Medications for Non-Parkinsonian Movement Disorders
- Overview – Antiseizure Medications
- Treatment Strategies – Antiseizure Medications
- Levetiracetam (Keppra) – Antiseizure Medications
- Questions – Antiseizure Medications
- Overview – Anesthetic Drugs
- Inhaled Anesthetics – Anesthetic Drugs
- General Anesthetics – Anesthetic Drugs
- Intravenous Anesthetics – Anesthetic Drugs
- Case Study – Anesthetic Drugs
- Overview – Skeletal Muscle Relaxants
- Neuromuscular Blockers – Skeletal Muscle Relaxants
- Acute and Chronic Muscle Spasms – Skeletal Muscle Relaxants
- Questions – Skeletal Muscle Relaxants
- Overview – Local Anesthetics
- Esters and Amides – Local Anesthetics
- Overview – Opioid Analgesics
- Opioid Agonists – Opioid Analgesics
- Mixed Agonists/Antagonists and Antagonists – Opioid Analgesics
- Questions – Local Anesthetics and Opioid Analgesics

Gastrointestinal Pharmacology

- Stomach Ulcer (Peptic Acid Disease) Medication
- Motility Disorder Medication
- Nausea Medication: Antiemetics – Gastrointestinal Drugs
- Pancreatic Enzyme Replacement Therapy (PERT) and Gallstone Prevention – Gastrointestinal Drugs
- Irritable Bowel Syndrome (IBS) Medication

- Questions and Case Studies: GERD Medications
- Inflammatory Bowel Disease Medication
- Questions and Case Studies: Steroids, Cyclosporine and Crohn's Disease

Renal Pharmacology

- Introduction to High Blood Pressure Medication – Drugs in Hypertension
- Diuretics – Drugs in Hypertension
- Renin Angiotensin Aldosterone – Drugs in Hypertension
- Vasodilators – Drugs in Hypertension
- Alpha Agonists – Drugs in Hypertension
- Beta Blockers – Drugs in Hypertension
- Postganglionic Sympathetic Nerve Terminal Blockers and Monoamine Oxidase Inhibitors – Drugs in Hypertension
- Lines of Therapy – Drugs in Hypertension
- Pulmonary Hypertension Medication – Drugs in Hypertension
- Questions and Case Studies – Drugs in Hypertension

Antimicrobial Pharmacology

- Overview – Cell Wall Synthesis Inhibitors (Antibiotics)
- Penicillins – Cell Wall Synthesis Inhibitors (Antibiotics)
- Cephalosporins – Cell Wall Synthesis Inhibitors (Antibiotics)
- Penems – Cell Wall Synthesis Inhibitors (Antibiotics)
- Monobactams, Cyclic Lipopeptide and Polypeptide – Cell Wall Synthesis Inhibitors (Antibiotics)
- Glycopeptide and Intracellular Agents – Cell Wall Synthesis Inhibitors (Antibiotics)
- Overview – Bacterial Protein Synthesis Inhibitors (Antibiotics)

- Linezolid, Streptogramins and Chloramphenicol – Bacterial Protein Synthesis Inhibitors (Antibiotics)
- Macrolides and Ketolides – Bacterial Protein Synthesis Inhibitors (Antibiotics)
- Tetracyclines – Bacterial Protein Synthesis Inhibitors (Antibiotics)
- Aminoglycosides – Bacterial Protein Synthesis Inhibitors (Antibiotics)
- Quiz Questions and Case Studies – Antibacterial Agents (Antibiotics)
- Overview – Antimetabolites
- Sulfonamides, Trimethoprim and Fluoroquinolones – Antimetabolites
- Case Studies – Antimetabolites
- Overview – Antimycobacterial Agents
- First-line Agents to Treat Tuberculosis – Antimycobacterial Agents
- Other Agents to Treat Tuberculosis – Antimycobacterial Agents
- New Agents to Treat Tuberculosis – Antimycobacterial Agents
- Treatment Regimens for Mycobacterium Tuberculosis – Antimycobacterial Agents
- Treatment Regimens for Leprosy and Other Infections – Antimycobacterial Agents
- Case Studies – Antimycobacterial Agents
- Overview – Antifungals
- Azoles – Antifungals
- Polyenes – Antifungals
- Flucytosine (5-Fluorocytosine/5-FC) – Antifungals
- Griseofulvin and Squalene Epoxidase Inhibitor (Terbinafine) – Antifungals
- Echinocandins – Antifungals
- Questions – Antifungals
- Overview of Antiviral Activity – Antiviral Drugs
- Anti-HIV Agents – Antiviral Drugs
- CCR5 – Antiviral Drugs

- Anti-HIV Agents: Entry Inhibitors – Antiviral Drugs
- Anti-HIV Agents: Nucleoside Reverse Transcriptase Inhibitors (NsRTIs) – Antiviral Drugs
- Anti-HIV Agents: Nucleotide Reverse Transcriptase Inhibitors (NtRTIs) – Antiviral Drugs
- Anti-HIV Agents: Non-nucleoside Reverse Transcriptase Inhibitors (NN-RTIs) – Antiviral Drugs
- Anti-HIV Agents: Integrase Strand Transfer Inhibitors – Antiviral Drugs
- Anti-HIV Agents: Maturation Inhibitors – Antiviral Drugs
- Anti-HIV Agents: Protease Inhibitors – Antiviral Drugs
- Anti-HIV Agents: Other Inhibitors – Antiviral Drugs
- Case Studies about Anti-HIV Agents – Antiviral Drugs
- Anti-Herpes Agents: Thymidine Kinase Agents – Antiviral Drugs
- Anti-Herpes Agents: RNA Polymerase Inhibitors and Other Drugs – Antiviral Drugs
- Influenza Treatment – Antiviral Drugs
- Hepatitis Treatment – Antiviral Drugs
- Overview – Antiviral Agents and Treatment of CMV Retinitis – Antiviral Drugs
- Case Study – Antiviral Drugs
- Antimalarial Drugs – Antiprotozoal Agents
- Amebicides – Antiprotozoal Agents
- Nematicides – Anthelmintic Drugs
- Trematocides (Praziquantel) and Cestodocides (Niclosamide) – Anthelmintic Drugs
- Questions – Antiprotozoal and Anthelmintic Drugs

Pharmacology

- Pharmacology and Implications
- Medication Safety
- Dosage Calculation
- Pharmacology across the Lifespan
- Anti-Infective Drugs
- Antiviral Medications
- Gastrointestinal Medications
- Respiratory Medications
- Cardiovascular Medications
- Central Nervous System (CNS) Medications
- Peripheral Nervous System (PNS) Medications
- Endocrine Medications
- Medications for Fluid and Electrolyte Imbalances
- Medications for Men's and Women's Health
- Cancer Medications
- NCLEX Pharmacology Review

CNS - Pharmacology (APRN)

- Overview of Sedative and Hypnotic Drugs – Sedative Hypnotics
- Benzodiazepines – Sedative Hypnotics
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- Opioid Agonists – Opioid Analgesics
- Mixed Agonists/Antagonists and Antagonists – Opioid Analgesics
- Questions – Local Anesthetics and Opioid Analgesics

NCLEX Pharmacology Review

- Pretest for Pharmacology – NCLEX Review
- Ototoxic Drugs – NCLEX Review
- Nephrotoxic Drugs – NCLEX Review
- Hepatotoxic Drugs – NCLEX Review
- Study Tips for Pharmacology – NCLEX Review
- Basic Principles of Cancer Chemotherapy – NCLEX Review
- Cytotoxic Drugs – NCLEX Review
- Endocrine System – NCLEX Review
- Corticosteroids – NCLEX Review
- Cushing Disease and Cushing Syndrome – NCLEX Review
- Systemic Effects of Excess Steroids – NCLEX Review
- Addison's Disease – NCLEX Review
- Addisonian Crisis – NCLEX Review
- Exam Question on Endocrine System – NCLEX Review
- Insulin Metabolism and Hypoglycemia – NCLEX Review
- Diabetes: Types and Treatment Goals – NCLEX Review
- Diabetes: Medications – NCLEX Review
- Insulin: Effects, Types and Administration – NCLEX Review
- DKA and HHNS – NCLEX Review
- Anti-anxiety Drugs – NCLEX Review
- Anti-psychotic Drugs – NCLEX Review
- Antidepressants: SSRIs – NCLEX Review
- Tricyclic Antidepressants – NCLEX Review
- Antidepressants: MAOIs – NCLEX Review
- Mood Stabilizers: Lithium – NCLEX Review
- RAAS and Blood Pressure – NCLEX Review
- Hypertension Medications: Overview – NCLEX Review
- ACE Inhibitors – NCLEX Review

- ARBs – NCLEX Review
- Beta Blockers – NCLEX Review
- Calcium Channel Blockers – NCLEX Review
- Statins, Thrombolytics, and Anticoagulants – NCLEX Review
- IV Solutions: Overview – NCLEX Review
- Isotonic Solutions – NCLEX Review
- Hypotonic and Hypertonic Solutions – NCLEX Review
- Exam Question on IV Solutions – NCLEX Review
- Pain Medications: Opioids – NCLEX Review
- Asthma – NCLEX Review
- Antibiotics – NCLEX Review
- Diuretics – NCLEX Review
- Drug Interactions – NCLEX Review

Advanced Pharmacology (APRN)

- | | |
|---|-----------|
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| • ANS - Pharmacology | 10 Videos |
| • CNS - Pharmacology (APRN) | 38 Videos |
| • Toxicology | 21 Videos |
| • Cardiovascular Pharmacology | 31 Videos |
| • Pharmacology of Blood Coagulation | 05 Videos |
| • Endocrine Pharmacology | 19 Videos |
| • Reproductive Pharmacology | 05 Videos |
| • Inflammation Pharmacology | 11 Videos |
| • Respiratory Pharmacology | 07 Videos |
| • Gastrointestinal Pharmacology | 08 Videos |
| • Antimicrobial Pharmacology | 52 Videos |
| • Topical Medications | 03 Videos |

Pharmacology of Blood Coagulation

- Overview: Coagulant Drugs
- Antiplatelets
- Anticoagulants
- Thrombolytics and Procoagulants
- Questions: Coagulant Drugs

Pharmacology (MBBS India)

- Pharmacology 233 Videos
- Dosage Calculation 020 Videos

Pharmacology—General Principles

- Introduction to Kinetics | Pharmacokinetics (PK)
- Hydrophilic vs. Hydrophobic – Absorption and Distribution | Pharmacokinetics (PK)
- pKa and Drug Solubility – Absorption and Distribution | Pharmacokinetics (PK)
- Drug Distribution – Absorption and Distribution | Pharmacokinetics (PK)
- Phases of Drug Development – Absorption and Distribution | Pharmacokinetics (PK)
- Drug Metabolism – Biotransformation | Pharmacokinetics (PK)
- Factors Affecting Drug Metabolism – Biotransformation | Pharmacokinetics (PK)
- Introduction and Definitions of Pharmacodynamics – Pharmacodynamics
- Drug Receptors and Effectors – Pharmacodynamics
- Upregulation and Downregulation – Pharmacodynamics
- Dose-Response, Binding, Quantal, Toxicity & Potency Curves – Pharmacodynamics

- Introduction esp. Types of Eliminations – Elimination Kinetics
- First Pass Metabolism – Elimination Kinetics
- Bioavailability incl. Case Study – Elimination Kinetics
- Dosage Calculation: Maintenance Dose and Loading Dose – Elimination Kinetics
- Intravenous vs. Oral Medications – Elimination Kinetics
- Renal Clearance – Elimination Kinetics

Pharmacology across the Lifespan

- Pediatrics – Pharmacology across the Lifespan
- Neonates and Infants – Pharmacology across the Lifespan
- Children – Pharmacology across the Lifespan
- Geriatrics – Pharmacology across the Lifespan
- Unique Challenges to the Older Adult – Pharmacology across the Lifespan
- Beers Criteria® – Pharmacology across the Lifespan

Pharmacology and Implications

- Introduction to Pharmacology for Nursing Students
- The Nurse's Role in Pharmacology
- The 5 Rights of Medication Administration
- The Nursing Process: Assessment
- The Nursing Process: Diagnosis and Planning
- The Nursing Process: Implementation and Evaluation
- PRN Medications
- 8 Important Questions Every Nursing Student Should Ask
- Pharmacokinetics: Absorption
- Oral (PO) Medications
- Food and Drug Interactions

- Intravenous and Intramuscular Medications
- Pharmacokinetics: Distribution
- Pharmacokinetics: Metabolism
- Pharmacokinetics: Excretion
- The Body's Response to Drug Dosage and Timing
- Pharmacodynamics: Understanding the Basic Terms
- Pharmacodynamic Terms: Receptor, Agonist and Antagonist
- Selective Serotonin Reuptake Inhibitors (SSRIs)
- Adverse Drug Reactions (ADR)
- CNS Depressants and Vancomycin: Dangerous Medications
- Allergic and Hypersensitivity Reactions to Antibiotics
- Stevens-Johnson Syndrome: Diagnosis and Medications
- Nephrotoxicity: Assessment of Renal Toxicity
- Hepatotoxicity: Assessment and Evaluation
- Blood Pressure: The Highs, the Lows, and what the Measurements Mean
- Sphygmomanometer and 6 Steps to Accurate Blood Pressure
- Systolic Pressure and Diastolic Pressure
- Risks of High Blood Pressure
- Symptoms and Causes of Low Blood Pressure
- Blood Pressure: In a Nutshell

Musculoskeletal, Skin, & Connective Tissue—Pharmacology

- Nonsteroidal Anti-Inflammatory Drugs (NSAIDs)
- Disease Modifying Anti Rheumatic Agents (DMARDs)

Introduction to the Cardiac System

- Cardiovascular System – Anatomy of the Heart
- The Four Heart Chambers and Their Function – Anatomy of the Heart
- Components of the Heart – Anatomy of the Heart
- Valves and the Electrical System – Anatomy of the Heart
- Arteries and Veins – Anatomy of the Heart
- Electrical Conduction System – Physiology of the Heart
- Phases and Waveforms – Physiology of the Heart
- Cardiac Output – Physiology of the Heart
- Blood Oxygen – Physiology of the Heart
- Introduction – The Patient's History (Diagnostics)
- Cardiac Physical Exam – The Patient's History (Diagnostics)
- Electrocardiogram – The Patient's History (Diagnostics)
- Reading ECGs – The Patient's History (Diagnostics)
- Introduction – Invasive and Non-invasive Tests (Diagnostics)
- Stress Tests – Invasive and Non-invasive Tests (Diagnostics)
- Nuclear and Non-invasive Tests – Invasive and Non-invasive Tests (Diagnostics)
- Rules for Ordering Tests – Invasive and Non-invasive Tests (Diagnostics)
- Cardiovascular Diseases Treated With Drugs – Cardiovascular Pharmacology
- Beta Blockers – Cardiovascular Pharmacology
- Renin-angiotensin-aldosterone System – Cardiovascular Pharmacology
- Diuretics – Cardiovascular Pharmacology
- Introduction – Cardiovascular Pharmacology
- Cholesterol – Cardiovascular Pharmacology
- Anticoagulants and Plaque – Cardiovascular Pharmacology
- Arrhythmia Control – Cardiovascular Pharmacology
- Overview – Cardiovascular Disease

- Diagnosis and Therapy – Cardiovascular Disease
- A Typical Patient – Cardiovascular Disease

Cardiovascular System

- Cardiovascular Anatomy 38 Videos
- Cardiovascular Embryology 14 Videos
- Cardiovascular Histology 17 Videos
- Cardiovascular Physiology 51 Videos
- Cardiovascular Pathology 90 Videos
- Cardiovascular Pharmacology 31 Videos

Respiratory System

- Respiratory Anatomy 007 Videos
- Respiratory Histology 009 Videos
- Respiratory Embryology 007 Videos
- Respiratory Physiology 038 Videos
- Respiratory Pathology 119 Videos
- Respiratory Pharmacology 007 Videos

Addison's Disease – Top USMLE Diseases

- Adrenal Insufficiency: Definition & Etiology
- Waterhouse-Friderichsen Syndrome & Addison's Disease – Adrenal Insufficiency
- Adrenal Insufficiency (Addison's Disease) in Children
- Diagnosis – Adrenal Insufficiency
- Glucocorticoids in Pharmacology – Adrenal Insufficiency
- Congenital Adrenal Hyperplasia (CAH) – Adrenal Insufficiency

Endocrine System

• Endocrine Anatomy	007 Videos
• Endocrine Embryology	002 Videos
• Endocrine Histology	011 Videos
• Endocrine Physiology	017 Videos
• Endocrine Pathology	108 Videos
• Endocrine Pharmacology	019 Videos

Urinary System

• Urinary Tract Anatomy	005 Videos
• Urinary Tract Embryology	004 Videos
• Urinary Tract Histology	008 Videos
• Urinary Tract Physiology	024 Videos
• Renal Pathology	130 Videos
• Renal Pharmacology	010 Videos

Gastrointestinal System

• Gastrointestinal Anatomy	37 Videos
• Gastrointestinal Embryology	05 Videos
• Gastrointestinal Histology	33 Videos
• Gastrointestinal Physiology	30 Videos
• Gastrointestinal Pathology	87 Videos
• Gastrointestinal Pharmacology	08 Videos

General Principles of Foundational Sciences

• Aging	012 Videos
• Biochemistry	243 Videos

• Embryology—General Principles	014 Videos
• Medical Genetics	058 Videos
• Microbiology	238 Videos
• Molecular and Cell Biology	190 Videos
• Nutrition	016 Videos
• Pathology—General Principles	034 Videos
• Pharmacology—General Principles	017 Videos
• Physiology—General Principles	040 Videos

Custom Internal Medicine Clerkship

• Heart Failure: Basic Principles with Carlo Raj	07 Videos
• Endocrine Pharmacology	19 Videos
• Embolism – Top USMLE Diseases	20 Videos
• Neoplasms of the Endocrine System	09 Videos
• Neoplasms of the Reproductive System	28 Videos
• Neoplasms of the Gastrointestinal System	17 Videos
• Urinary Tract Infections	06 Videos
• Gastrointestinal Infections	15 Videos
• CNS Infection—Infectious Diseases	17 Videos
• Lung Cancer	08 Videos
• Arrhythmias: Basic Principles with Carlo Raj	28 Videos
• Leukemia – White Blood Cell Pathology (WBC)	10 Videos
• Interstitial Lung Disease (ILD)	11 Videos
• Tumors of the CNS	07 Videos
• Multiple Sclerosis	04 Videos
• Stroke (Cerebrovascular Accident)	08 Videos
• Reproductive Pharmacology	05 Videos
• Additional Lectures Internal Medicine	03 Videos

Musculoskeletal System, Skin, and Connective Tissue

- Musculoskeletal, Skin, and Connective Tissue—Anatomy 153 Videos
- Musculoskeletal, Skin, and Connective Tissue—Embryology 011 Videos
- Musculoskeletal, Skin, and Connective Tissue—Histology 045 Videos
- Musculoskeletal, Skin, and Connective Tissue—Physiology 011 Videos
- Musculoskeletal, Skin, and Connective Tissue—Pathology 046 Videos
- Musculoskeletal, Skin, and Connective Tissue—Pharmacology 002 Videos

Geriatric Care (APRN)

- 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
- Beers Criteria® – Pharmacology across the Lifespan

Reproductive System

• Anatomy of the Male Reproductive System	04 Videos
• Anatomy of the Female Reproductive System	05 Videos
• Reproductive Embryology	18 Videos
• Reproductive Histology	29 Videos
• Reproductive Physiology	18 Videos
• Reproductive Pathology	80 Videos
• Reproductive Pharmacology	05 Videos

Infectología (ENARM)

• Infections of the Respiratory Tract (ENARM)	11 Videos
• Influenza (ENARM)	08 Videos
• Tuberculosis (ENARM)	07 Videos
• Dengue (ENARM)	01 Videos
• CNS Infections	24 Videos
• Genital and Sexually Transmitted Infections	29 Videos
• Sepsis (ENARM)	03 Videos
• Coronavirus	15 Videos
• Antimicrobial Pharmacology	52 Videos

Ob/Gyn Clerkship

• Antenatal Care	19 Videos
• Intrapartum Care	12 Videos
• Postpartum Care	04 Videos
• Preconception Care	04 Videos
• Gynecology	61 Videos
• Neoplasms of the Reproductive System	28 Videos
• Pregnancy Complications	07 Videos

- Reproductive Pharmacology 05 Videos
- Ovarian Diseases 11 Videos
- Additional Lectures Ob/Gyn 03 Videos

Recordings of our Live Study and Nursing Mentoring Sessions

- Event 1: How to Crack Dosage Calculation – The Must-Knows
- Event 2: Supercharge Your Test-taking Strategies for End-of-course Exams
- Event 3: Pharmacology for NCLEX®
- Event 4: How to Crush Your Final Exams in Nursing School
- Sneak Preview Event 5
- Event 5: Advice and Inspiration from a Second Career Nurse (Special Guest Edition)
- Event 6: How to Survive Nursing School with Nurse Liz (2021)
- Event 7: Learn More Study Less
- Event 8: Pharmacology Crash Course with Prof. Lawes – Part One (2022)
- Event 9: Pharmacology Crash Course with Prof. Lawes – Part Two (2022)
- Event 10: Relax. Recharge. Reorganize: Make the Most out of Your Winter Break!
- Event 11: How to Survive Nursing School with Nurse Liz (2022)
- Event 12: How to Tackle Your Final Exams with Nurse Liz
- Event 13: Self Care for Nurses with Dr. Brenda Marshall
- Event 14: Learn More, Stress Less – Using Lecturio to Set Yourself Up for Success
- Event 15: Favorite Studying, Test Taking, And Clinical Tips with Nurse Liz

- Event 16: Three Must Know Tips for Nursing School Success
- Event 17: How to Avoid Falling Behind in Nursing School - How to Plan Your Semester
- Event 18: Respiratory Emergencies – Nursing Pathophysiology Review – Live with Professor Lawes
- Event 19: Four Steps to NCLEX Success
- Event 20: Anatomy of Chest Pain with Darren Salmi

Adrenal Gland Disorders

- Introduction & Hypothalamus – Adrenal Cortex
- Overview of the Adrenal Gland – Adrenal Cortex
- Cortisol and Aldosterone Synthesis – Adrenal Cortex
- Renin-Angiotensin-Aldosterone-System (RAAS) – Adrenal Cortex
- Adrenal Incidentalomas – Adrenal Cortex
- Hyperaldosteronism
- Hypoaldosteronism
- Introduction to Cortisol and Hypercortisolism – Adrenal Gland
- Introduction to Cushing's Syndrome – Adrenal Gland
- Screening Tests for Hypercortisolism – Adrenal Gland
- Management of Cushing's Syndrome – Adrenal Gland
- Adrenal Insufficiency: Definition & Etiology
- Waterhouse-Friderichsen Syndrome & Addison's Disease – Adrenal Insufficiency
- Diagnosis – Adrenal Insufficiency
- Glucocorticoids in Pharmacology – Adrenal Insufficiency
- Congenital Adrenal Hyperplasia (CAH) – Adrenal Insufficiency
- Sympathoadrenal System and Catecholamine – Adrenal Medulla
- Pheochromocytoma – Adrenal Medulla
- Hereditary Disorders: Von-Hippel-Lindau Syndrome, Sturge-Weber-Syndrome, Neuroblastoma, MEN2A & MEN2B – Adrenal Medulla

Hemostasis: Basic Principles with Carlo Raj

- Normal Hemostasis
- Coagulation Cascade
- Normal Hemostasis Clotting Factors
- Stages of Hemostasis
- Increased Bleeding Time
- Normal Hemostasis Pharmacologic Anticoagulants
- Hematology: Pharmacology
- Bivalirudin & Warfarin (Coumadin)
- Heparin vs. Warfarin
- Mechanism of Antiplatelet Interaction
- Aspirin, Clopidogrel, and Abciximab
- Bleeding Disorders: Vessel Wall Abnormalities
- Immune Thrombocytopenic Purpura
- Thrombotic Microangiopathies
- Hemolytic Uremic Syndrome
- Disseminated Intravascular Coagulation (DIC)
- Drug-induced Thrombocytopenia
- Functional Platelet Abnormalities
- Clotting Factor Deficiencies
- Etiology of Clotting Factor Deficiencies
- Hemophilia
- von Willebrand's Disease (vWD)
- Thrombotic Disorders
- Risk Factors of Thrombotic Disorders
- Acquired Thrombotic Syndromes
- Hereditary Thrombosis

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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