

# Infectious Diseases

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## Overview

Infectious diseases have burdened humanity for millennia. Concepts of contagion and its prevention have slowly developed in different cultures over centuries. In the 19th century, Louis Pasteur introduced the germ theory of disease, which described the relationship between microorganisms and illnesses, putting an end to the predominant theory of spontaneous generation. Infectious diseases are currently defined as clinical conditions attributed to specific microorganisms, which are known as “pathogens.”

In this course, the student will be taught about major infections that affect the body systems. For optimal comprehension, the student is required to have a basic understanding of eukaryotic and prokaryotic cells and the differences between them, the structure and general classification of bacteria and viruses, and the mechanisms of innate and adaptive immunity.

In the previous century, infectious diseases were the most important causes of morbidity and mortality. After the advent of antibiotics, these diseases are less prevalent; however, they are often encountered in clinical practice. Although these diseases are currently not as devastating as they previously were, it is important for the physician to promptly detect infections and initiate pharmacological management. Furthermore, the increase in antibiotic resistance and emergence of “superbugs” require general practitioners to be extremely thorough during assessments, so that they can accurately determine if the current clinical scenario requires antibiotic therapy.

# Infectious Diseases

- CNS Infection—Infectious Diseases 17 Videos
- Cardiovascular Infections 15 Videos
- Upper Respiratory Infections 17 Videos
- Gastrointestinal Infections 15 Videos
- Genital and Sexually Transmitted Infections 29 Videos
- Urinary Tract Infections 06 Videos

## 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

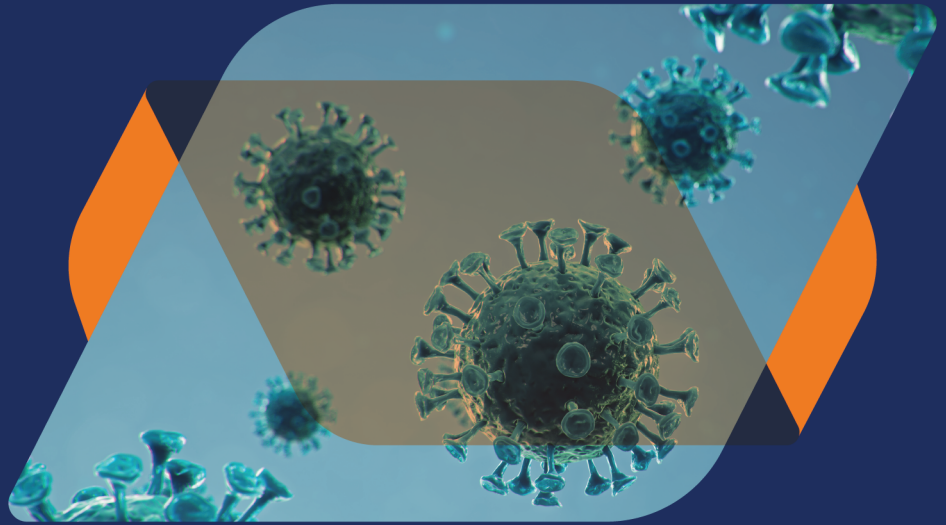
- Pharmacokinetics and Pharmacodynamics
- ANS - Pharmacology
- CNS - Pharmacology
- Toxicology
- Cardiovascular Pharmacology
- Pharmacology of Blood Coagulation
- Endocrine Pharmacology
- Reproductive Pharmacology
- Inflammation Pharmacology
- Respiratory Pharmacology
- Gastrointestinal Pharmacology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



Mediversal

# Why Mediversal?

	Mediversal	Competitor
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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