



# Surgery

# Surgery

## Overview

Since antiquity, the concept of a physician accessing a patient to remove diseased tissue using specialized tools has been tightly linked to the practice of medicine as a whole. It was relatively recently, during the 19th century, that surgery began to take shape as a medical specialty. Surgery can be broadly defined as the branch of medicine that focuses on the management of conditions requiring surgical intervention for a definitive resolution. Surgery is further subdivided into focalized subspecialties, with general surgery being the first to develop. Other specialties include trauma surgery, cardiothoracic surgery, colon and rectal surgery, neurosurgery, and ophthalmic surgery.

In this course, the student will be introduced to the basic concepts of general surgery, trauma management, and the general principles of specialized surgical management. For optimal comprehension, the student is expected to have a good understanding of anatomy and physiology, especially with respect to cardiovascular, respiratory, and gastrointestinal systems. Additionally, a good grasp of acid-base and electrolyte balance is encouraged.

Trauma and acute abdominal injuries are among the most common clinical conditions requiring emergent surgical management. As general physicians are typically among the first healthcare providers encountered by patients in a hospital, prompt diagnosis and management, sometimes simultaneously, are crucial to adequately stabilize patients before surgery to increase their chances of success and recovery.

Surgical management is now a common intervention worldwide. A competent general physician plays an important role in ensuring timely and accurate diagnosis, and in indicating the appropriate referral pathway directing the patient to the specialized care they require.

## Topics

General Surgery	45 Videos
Surgery: Trauma	13 Videos
Sepsis	02 Videos
Special Surgery	39 Videos



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# General Surgery

- The Acute Abdomen – General Principles
- Acute Abdomen: Appendicitis
- Appendicitis: Diagnosis and Management
- Hernia: Introduction
- Inguinal and Femoral Hernias
- Ventral and Incarcerated Hernias
- Small Bowel: Carcinoid
- Carcinoid: Diagnosis and Management
- Small Bowel Obstruction
- Intestine Obstruction: Diagnosis & Management
- Large Intestines: Colon Cancer
- Polyp-Cancer Sequence
- Colon Cancer: Diagnosis and Management
- Large Intestines: Diverticulitis
- Diverticulitis: Management
- Large Intestines: Colon Volvulus
- Lower Gastrointestinal (GI) Bleeding: Examination & Diagnosis
- GI Bleeding: Management
- Stomach Tumors
- Gastroesophageal Reflux Disease (GERD)
- GERD: Management and Surgery
- Pancreatitis
- Pancreatitis: Diagnosis & Management
- Pancreatic Pseudocyst and Pancreatic Cancer
- Benign Liver Masses
- Amebic Liver Abscess
- Pyogenic Liver Abscess
- Liver Cancer



- Liver Cancer: Management
- Gallbladder: Cholelithiasis & Cholecystitis
- Cholecystitis: Diagnosis & Management
- Gallbladder: Cholangitis
- Benign Breast Diseases
- Atypical Ductal Hyperplasia
- Malignant Breast Diseases
- Invasive Ductal Carcinoma (IDC)
- Thyroid Cancer
- Recurrent Laryngeal Nerve Injury, Anaplastic & Medullary Thyroid Cancer
- Insulinoma
- Gastrinoma
- Pheochromocytoma
- Metanephrines
- Pheochromocytoma: Management
- Multiple Endocrine Neoplasia Type 2 (MEN Syndrome)
- Incidental Findings

## Surgery: Trauma

- Trauma: Initial Survey and Management
- Traumatic Brain Injury (TBI)
- Signs, Symptoms and Management of Intracranial Pressure (ICP)
- Burns
- Thoracic Injuries
- Tension Pneumothorax, Rib Fractures and Pulmonary Contusion
- Hemothorax and Cardiac Injury
- Blunt Cardiac Injury, Esophageal Injury, Diaphragmatic Injury
- Case: 24-year-old Man with Multiple Trauma after Motor Vehicle Accident (MVA)

- Abdominal Injuries
- Blunt Abdominal Injuries
- Penetrating Abdominal Injury
- Pelvis, Bladder and Urethra Injury

## Sepsis

- Sepsis: SIRS, Septic Shock, Physical Findings & Labs
- Sepsis: Management

## Special Surgery

- Perioperative Care: Fluids and Electrolytes
- Hyperkalemia and Hypokalemia
- Postoperative Care (Part 1)
- Postoperative Care (Part 2)
- Necrotizing Enterocolitis
- Necrotizing Enterocolitis: Diagnosis and Management
- Hypertrophic Pyloric Stenosis
- Hypertrophic Pyloric Stenosis: Examination
- Hypertrophic Pyloric Stenosis: Management
- Surgery: Intestinal Malrotation
- Intestinal Malrotation: Management
- Surgery: Intussusception
- Intussusception: Examination and Diagnosis
- Intussusception: Management
- Classic Fractures
- Rotator Cuff Injury
- Femoral Neck Fracture
- Posterior Knee Dislocation

- Carpal Tunnel Syndrome
- Carpal Tunnel Syndrome: Management
- Carotid Stenosis: Etiology, Examination, Diagnosis
- Carotid Stenosis: Management
- Abdominal Aortic Aneurysm
- Abdominal Aortic Aneurysm: Examination and Diagnosis
- Abdominal Aortic Aneurysm: Management
- Peripheral Vascular Disease (PVD): Etiology
- Peripheral Vascular Disease (PVD): Examination & Diagnosis
- Peripheral Vascular Disease (PVD): Management
- Peripheral Vascular Disease – Bypass Surgery
- Hydrocephalus: Etiology and Examination
- Hydrocephalus: Diagnosis and Management
- Spinal Cord Syndromes
- Cauda Equina and Conus Medullaris
- Melanoma
- Thoracic Surgery: Achalasia
- Cardiothoracic Surgery: Esophageal Cancer
- Cardiothoracic Surgery: Lung Cancer
- Urology Surgery: Urologic Cancers
- Urology Surgery: Testicular Pain

# 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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