

3- Intended Learning Outcomes (ILOs)

A- Knowledge and understanding:

By the end of the course, students should be able to:

A1- Describe the **surgical anatomy and physiology** of surgically-important regions, organs and structures of the body.

A2- Describe the **etiology, pathogenesis, clinical features, and complications** of common and life threatening surgical conditions.

A3- Describe principles of **prevention, and management** of common and life threatening surgical conditions.

A4- Mention **basic principles of simple surgical operations**

A5- Mention the principles and practice of **preoperative preparation and postoperative care** including **pain management**.

A6- Mention the methods of **cancer screening**, recognize **risk groups**, and be aware of **early cancer detection**.

A7- Recognize **ethical aspects of surgical practice**.

A8- Recognize **common medical errors and malpractice** in surgery

A9- Outline the basic steps needed for conduction of **safe anaesthesia**.

B- Intellectual skills

By the end of the course, students should be able to:

B1- **Interpret** patients' **symptoms and physical signs** in terms of their anatomic, pathologic and functional diagnostic significance.

B2- Prioritize the **appropriate investigations** needed for patients with common and life threatening surgical conditions

B4- **Integrate the results** of clinical and investigatory findings to formulate appropriate cost effective **management plan** for common surgical problems.

B5- Outline an **initial course of management** to stabilize patients with **common surgical emergencies**.

B6- **Predict complications** of serious surgical diseases beyond the capacities of general practitioner and **determine when to refer** them to specialist.

B7- Classify factors that place the individuals at **risk for special surgical diseases**.

C- Professional clinical skills

By the end of the course, students should be able to:

C1- Obtain accurate and complete surgical **history**.

C2- **Examine the patient systematically** as well as locally with proper note keeping.

C3- Perform an **emergency-directed examination** for patients with surgical emergencies.

C4- Identify **normal anatomy** of the body and its major organs as abdominal wall, liver, spleen, testis..... etc

C5- Identify the most significant clinical manifestations of common and life threatening surgical diseases including surgical emergencies.

C6- Perform **simple bed-side tests** as aspiration of a cyst

C7- Identify pathological lesions in **jars** containing postoperative surgical specimens of common surgical conditions.

C8- Recognize various **radiological features** of surgical diseases.

C9- **Identify surgical instruments** and link between these instruments and surgical operations.

C10- Apply the **principles of sterile techniques and infection control guidelines**.

C11- **Write a safe prescription** for common and important surgical conditions.