



Faculty of Medicine
Quality Assurance Unit

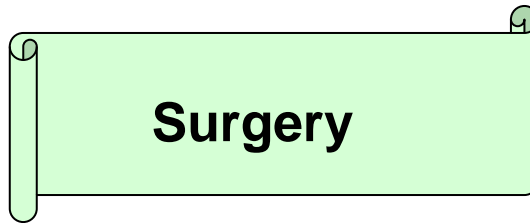


Assiut University
Faculty of Medicine
Department Of Surgery

Surgery

Course Specifications

6th year of M.B.B.Ch. Program
2016-2017



University: Assiut

Faculty: Medicine

Department: surgery

1- basic course information

Course title: Surgery course

Code: AMed 021

Academic year / Level: 6th year

Programme(s) on which the course is given: M.B.B.Ch. program

Department offering the course:

- ✓ Department of General surgery
- ✓ Department of Urology
- ✓ Department of Orthopedic
- ✓ Department of Brain and neurosurgery
- ✓ Department of Plastic surgery
- ✓ Department of Cardiothorathic surgery
- ✓ Department of Vascular surgery
- ✓ Department of Anesthesia and intensive care

Lecture: 216 hours

Tutorial/ Practical: 24 weeks

External evaluators: **Prof. Dr. Alla Radwan**

Date of last revision: 10-2016

2- Overall aims

- To provide the student with the knowledge, and skills that enable him/her to identify, analyze, manage and/or refer clinical surgical problems in order to provide efficient, cost effective and humane patient care.
- To provide the student with an appropriate background covering the Common and/or life threatening surgical emergencies.
- To enable the student to detect cancer at an early stage.

- To enable the development and application of appropriate ethical principles, professional attitude and communication skills

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.

D- General and transferable skills

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

D1- Communicate effectively with patients, and their families.

D2- Deliver information to the patients and their families in a humane and respectable manner.

D3- Communicate effectively with other health care providers and community through verbal and non-verbal means of communications.

D4- Respect interdisciplinary team work and solve problems related to work management and among colleagues.

D5- Write patients' records and present them in a proper way.

D6- Demonstrate ability to retrieve, manage and present information including electronically.

D7- Conduct reliable and responsible behaviours.

D8- Respect patient will, privacy and dignity.

D9- Evaluate their work and discuss professional errors in an honest way.

D10- Adopt the principles of life long learning.

4- Course contents

Topic	Lecture (hours)	Practical\ Clinical
Introductory lecture	2	-
Wounds and trauma	1	-
Shock, haemorrhage, and blood transfusion	1	-
TB, tetanus and gas gangrene	1	6
Antibiotics & cysts and tumors	1	8
Lymphatic system & lymphadenopathy	4	8

Maxillofacial	8	15
Thyroid and parathyroid	4	20
Breast	8	15
Abdominal wall, hernias	6	25
Gastrointestinal tract (esophagus, Stomach & duodenum Peritoneum, omentum, mesentery, and retroperitoneal spaces Small and large intestine Rectum and anal canal Vermiform appendix)	40	40
Liver, gall bladder, and jaundice Portal hypertension	8	15
Pancreas & Spleen	4	8
Pediatric surgery	8	20
Classes for X-rays, instruments and surgical jars	12	-
Cardiothoracic surgery	8	15
Skin and burn	8	15
Neurosurgery	8	15
Vascular surgery	8	15
Orthopedic surgery	28	60
Urology	28	60
Anesthesia	20	-
Total	216	360

5- Teaching and learning Methods

- 1- **Lectures** for knowledge and intellectual skill outcomes.
- 2- **Clinical teaching** in surgical wards and outpatient clinics including clinical demonstration and bedside teaching.
- 3- Classes of case taking with active participation of students for clinical, intellectual, and communicational skills, including **problem-solving sessions**.
- 4- Classes for demonstrations of **jars, X rays and instruments**.
- 5- Attendance of operations in operative theatre
- 6- E-Learning system interactive discussions.

Facilities required for teaching and learning

- 1- Lecture halls
- 2- Rooms for small groups teaching
- 3- Audio visual aids (data shows, overhead, slide projector....etc)
- 4- Computers and internet facilities (E-Learning)
- 5- Faculty library
- 6- Central library of the Assiut University
- 7- Skills laboratory

8- Surgical ward, outpatient clinics, and operative facilities of surgery department of Assiut University Hospitals

6- Teaching and learning Methods for students with learning difficulties:

- 1- Lectures.
- 2- Clinical teaching.
- 3- Classes of case taking including problem-solving sessions.
- 4- Classes for demonstrations of jars, X rays and instruments.
- 5- Attendance of operations in operative theatre
- 6- Free classes outside the teaching schedule

7- Student assessment Methods

- 1- **Written exams** to assess knowledge and intellectual skills (a1-a 9, b1-b7)
- 2- **Oral exams** to assess knowledge and practical (*OSPE* exam) (a1-a 8, C7-C9, b1-b7)
- 3- **Clinical exams** to assess practical, intellectual, and general skills (c1-c11, b1-b7, d1-d7)
- 4- **Log book** to assess practical and general skills (C1-C6, D1-D5, D7-D9)
- 5- **Student assignment and presentation** to assess general skills (D6, D10)

Assessment schedule

Assessment 1: Mid-term examinations by the end of each clinical rotation (including MCQ)

Assessment 2: Final written examination by the end of the year (Including case studies and problem solving)

Assessment 3: Final Oral examination by the end of the year (***including OSPE***)

Assessment 4: Final Clinical examination by the end of the year

Assessment 5: Attending practical/tutorial classes

Weighting of assessments

6th year (end of general surgery round) examination	120
6th year (end of orthopedic & urology round) examination	60
Final written exam general surgery and its subdivisions	370
Final written exam paper urology and orthopedic	80
Final clinical exam	135
Final oral exam	135
Total	900 marks

8- List of references

1- Course notes:

Department undergraduate books for urology and orthopedic surgery

2- Essential books:

Kasr El-Aini Introduction to Surgery (2012)

Surgical note taking and diagnosis by Abdelazim Rifaat (2009)

Bailey and Love's Short Practice of Surgery

3- Recommended books:

Current Surgical Diagnosis and Treatment (2008)

Farquharson's Textbook of Operative Surgery (2010)

Mc Ray Trauma and Mac Ray Orthopedic Clinical Examination (2011)

4- Periodicals and web sites:

- . Surgical clinics of North America,

- . www.mayoclinic.com

- . www.emedicine.com

Course coordinator:

Prof dr:Hesahm Ryaid.

Dr.Mostafa Tabet.

Dr.Mohamed Safwat

Head of Department: Prof. Hesahm Ryaid

10-2016