

Surgical Curriculum

Goals:

The aim is to introduce surgery as a discipline for the undergraduate. The first two years in the College of Medicine are spent in learning basic medical sciences. The first exposure to patients is when the student reaches the third year.

Clerkship in surgery:

The department of surgery is keen on making surgery as a subject interesting for the students; therefore, before actual clerkship begins the students go through a preparatory phase of lectures to introduce physical examination to them. Clinical teaching is initially done at the skill lab. The students get a good exposure at that stage to make the transition to real patient's contact a smooth one.

Subjects Covered

Side by side with clinical teaching the theoretical bases for surgery are introduced. Each division of the department teaches relevant courses. Over the period of three years the student gets the whole curriculum.

This is an outline of the entire surgical curriculum that is taught in the basic 351 and advanced 451 surgical courses.

- 1- Fluids and electrolytes
- 2- Nutrition
- 3- Homeostasis and coagulation
- 4- Transfusion therapy
- 5- Diagnosis and treatment of surgical infections
- 6- Antibiotics and surgery
- 7- Wound healing
- 8- Trauma
- 9- Critical care
- 10- Shock
- 11- Burns
- 12- Acute abdomen
- 13- General principles of minimally invasive surgery
- 14- Esophagus
- 15- Stomach and duodenum
- 16- Pancreas
- 17- Biliary system

- 18- Liver
- 19- Small intestines
- 20- Appendix
- 21- Colon, rectum and anus
- 22- Spleen
- 23- Hernias and abdominal wall defects
- 24- Parathyroid glands
- 25- Thyroid gland
- 26- Adrenal glands
- 27- Vascular surgery covering the common problems of atherosclerosis
- 28- Venous disorders varicose veins, venous thrombosis and its aftermath
- 29- Lungs and pleural affections
- 30- Introduction to cardiac surgery
- 31- Surgical aspects of coronary artery disease
- 32- Benign and malignant diseases of the breast
- 33- Plastic surgery topics on melanoma burns etc
- 34- Urology
- 35- Neurosurgery
- 36- Pediatric surgery