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DEDICATED TO BE
UNIVERSITY
— SCHOOL OF —
MEDICINE
NAVI MUMBAI

COURSE OUTCOME – GENERAL SURGERY

At the end of the course, the student will be able to:

- 1) Diagnose common surgical conditions both acute and chronic, in adult and children. Describe common malignancies in the country and their management including prevention.
- 2) Plan various laboratory tests for surgical conditions and interpret the results.
- 3) Identify and manage patients of haemorrhagic; septicaemic and other types of shock. Define indications and methods for fluid and electrolyte replacement therapy including blood transfusion.
- 4) Define asepsis, disinfection and sterilization and recommend judicious use of antibiotics.

Be able to maintain patent air-way and resuscitate:

- A critically injured patient
 - Patient with cardio-respiratory failure
 - A case of drowning
- 6) Monitor patients of head, chest, spinal and abdominal injuries, both in adults and children.
 - 7) Provide primary care for a patient of burns.
 - 8) Acquire principles of operative surgery, including pre-operative, operative and post-operative care and monitoring.

9) Treat open wounds including preventive measures against tetanus and gas gangrene.

10) Diagnose neonatal and paediatric surgical emergencies and provide sound primary care before referring the patient to secondary/territory centers.

11) Identify congenital anomalies and refer them for appropriate management.

12) Enumerate different types of anaesthetic agents, their indications, mode of administration, contraindications and side effects.

In addition to the skills referred above in items (1) to (12), he/she shall have observed/assisted/performed the following:

Incision and drainage of abscess

Debridement and suturing open wound

Venesection

Excision of simple cyst and tumors

Biopsy and surface malignancy

Catheterisation and nasogastric intubation

Circumcision

Meatotomy

Vasectomy

Peritoneal and pleural aspirations

Diagnostic proctoscopy

Hydrocoele operation

Endotracheal intubation

Tracheostomy and cricothyroidotomy

Chest tube insertion

The Student would have imbibed the following Human values, and would have been introduced to Ethical practice guidelines

Adopt ethical principles in all aspects of his clinical practice:

Professional honesty and integrity are to be fostered.

Surgical care is to be delivered irrespective of the social status, caste, creed or religion of the patient.

Develop communication skills, in particular the skill to explain various options available in management.

Be humble and accept the limitations in his knowledge and skill and to ask for help from colleagues and specialist in the field when needed.

Respect patient's rights and privileges including patient's right to information and right to seek a second opinion.