



College of Physicians and Surgeons of Mumbai

Syllabus for CPS-PG-Course

FCPS (SURG) : FELLOWSHIP IN SURGERY

College of Physicians and Surgeons of Mumbai

CPS House, Dr. E. Borges Marg, Parel, Mumbai – 400012.

FCPS (SURG) : FELLOWSHIP IN SURGERY

SYLLABUS

GENERAL SURGERY INCLUDES SURGICAL PATHOLOGY AND APPLIED ASPECTS OF BASIC MEDICAL SCIENCES.

During the training period, efforts are always made that adequate time is spent in teaching the students skill required for performing basic surgical procedures and making them accustomed to handling difficult trauma and critical patients.

Theory

- Diagnostic and interventional radiology.
- Preparing a patient for surgery
- Anesthesia and pain management
- Acute life support and critical care
- Fluid and Electrolyte balance and transfusion products
- Nutrition
- Wounds, tissue repair and scars
- Basic surgical skills and anastomosis
- Principles of laparoscopic surgery
- Wound Infection
- Sterile precautions and theatre safety
- Parasitic infections.
- AIDS
- Transplantation
- Cyst, ulcers and sinus
- Principles of Oncology
- Day Surgery
- An approach to surgical audit
- Surgical ethics
- Clinical trials and statistics

Plastic & Reconstructive surgery: Skin grafting, Flaps-Principles of Soft Tissue Coverage, Hypospadias, and Principles of micro vascular surgery with special reference to vessel repair.

Burns

- Accident and Emergency Surgery

- Warfare injuries
- Craniocerebral trauma (Head Injury), Spinal Injuries
- Elective Neurosurgery- Brain tumours, spinal cord tumours,
- hydrocephalus,
- spinal dysraphism
- lip & palate
- Maxillofacial injuries
- Oral and Oropharyngeal cancer
- **Disorders of salivary glands**- Anatomy, clinical features, investigations, Examination, Medical and surgical treatment of stone, infection and Tumour in the salivary glands.
- **Pharynx, larynx and neck**-Anatomy and physiology clinical features, investigations, diagnosis and emergency treatment of airway obstruction and tumours
- **Thyroid**- Development and anatomy, physiology and investigations, medical and surgical treatment of thyroid problems
- **Parathyroid and adrenal glands**- Surgical concept of parathyroid and adrenal disorders, investigations, role of surgery, management of various cancers
- **Breast**- Surgical anatomy, investigations, anomalies, management of benign and malignant breast disorders.
- **Thorax**-Surgical anatomy and physiology, investigations, role of surgery In Management of chest trauma and surgical oncology as applied to chest surgery.
- **Cardiac Surgery**-Role of surgery in cardiac diseases, investigations, Management
- **Arterial disorders**-Nature of occlusive arterial diseases, acute arterial occlusion, severely ischemic limb, aneurysm diseases, clinical features, investigations ,treatment options
- **Venous disorders**-Venous anatomy, physiology, varicose veins ,DVT, Venous insufficiency and ulcers
- **Lymphoedema**-Functions, development, causes, clinical features investigations treatment.
- **Esophagus**-Anatomy, physiology, clinical features, investigations, treatment of benign and malignant disorders
- **Stomach and duodenum**-Anatomy and pathophysiology, clinical features, investigations, management of benign and malignant disorders Liver-Anatomy, clinical features, investigations management of liver trauma, infections, tumours
- **Spleen**- Anatomy, pathology, clinical features investigations , Management of splenic trauma
- **Gall bladder and bile ducts**-Surgical anatomy, physiology, clinical features, investigations ,

treatment of benign and malignant disorders

- Pancreas
- Peritoneum, Omentum, mesentery and retroperitoneal space
- Small and large intestines
- Intestinal Obstruction
- Vermiform Appendix
- Rectum
- Anus and anal canal
- Hernias, umbilicus and abdominal wall
- Genitourinary system: Urinary symptoms, investigation of the urinary tract and anuria, kidney and ureters, urinary bladder, prostate and seminal vesicles, urethra and penis, testis and scrotum
- Postoperative care
- **Pediatric Surgery:** Preparation of Pediatric Surgery patients pre & post-operative, Soft tissue tumour, Causes of Neonatal Obstruction, Anorectal malformation, Hypertrophic Pyloric stenosis, Undescended Testis, Hirsch spung's disease, Oesophageal atresia with tracheo-oesophageal fistula, Wilms tumour, Malrotation of gut
- **Practical**
- **History and examination:** History taking and examinations as relevant to General Surgery.
- **Monitoring Skills:** Temperature recording, capillary blood sampling, arterial blood sampling, venous blood sampling, cardio-respiratory monitoring, pre & post-operative patient monitoring and management accordingly.
- **Therapeutic Skills:** Tracheostomy, chest tube insertion, suturing, catheterization, Ryle's tube insertion, airway management, nasogastric feeding, endotracheal intubation, cardiopulmonary resuscitation, venipuncture and establishment of vascular access, administration of fluids, blood, blood components, parenteral nutrition, common dressings, abscess drainage and basic principles of rehabilitation, bed sores management
- **Diagnostic Skills:** Interpretation of X-rays/CT/MRI, ultra-sonographic abnormalities and laboratory tests.
- **Surgical Skills:** Observation of general layout and working of OT, understanding the importance of management and maintaining the sanctity of OT, scrubbing, working and sterilization of OT instruments, equipment's eg. electrocautery etc., Laparoscopic Set, shifting

of OT patients, pre- operative work up of patients, acquisition of basic surgical skills to perform minor/medium surgeries independently (suprapubic cystostomy, Urethral Dilatation, Cystolithotomy, Varicocele, Orchiectomy, Ureter lithotomy, Excision of Cyst & I&D, Excision of Breast Lump, Surgery of Hydrocele, appendectomy, Herniotomy, Hernia repair, umbilical hernia, Exploratory laparotomy for perforation, Haemorrhoidectomy, Fistulectomy, Fissurectomy Circumcision and Skin grafting

- Assist in major surgeries, handling of all types of surgical emergencies, post-Operative management of patient in recovery, ICU and Ward.

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EXAMINATION PATTERN

Theory Examination:

PAPER I	PAPER II	PAPER III	PAPER IV
Medicine	Medicine	Medicine	Medicine
Section I	Section I	Section I	Section I
Q.1. 10 Marks	Q.1. 10 Marks	Q.1. 10 Marks	Q.1. 10 Marks
Q.2. 10 Marks	Q.2. 10 Marks	Q.2. 10 Marks	Q.2. 10 Marks
Q.3. 10 Marks	Q.3. 10 Marks	Q.3. 10 Marks	Q.3. 10 Marks
Q.4. 10 Marks	Q.4. 10 Marks	Q.4. 10 Marks	Q.4. 10 Marks
Q.5. 10 Marks	Q.5. 10 Marks	Q.5. 10 Marks	Q.5. 10 Marks
Total 50 Marks	Total 50 Marks	Total 50 Marks	Total 50 Marks
Section II	Section II	Section II	Section II
Q.1. 10 Marks	Q.1. 10 Marks	Q.1. 10 Marks	Q.1. 10 Marks
Q.2. 10 Marks	Q.2. 10 Marks	Q.2. 10 Marks	Q.2. 10 Marks
Q.3. 10 Marks	Q.3. 10 Marks	Q.3. 10 Marks	Q.3. 10 Marks
Q.4. 10 Marks	Q.4. 10 Marks	Q.4. 10 Marks	Q.4. 10 Marks
Q.5. 10 Marks	Q.5. 10 Marks	Q.5. 10 Marks	Q.5. 10 Marks
Total 50 Marks	Total 50 Marks	Total 50 Marks	Total 50 Marks
Section I + II = 100 Marks	Section I + II = 100 Marks	Section I + II = 100 Marks	Section I + II = 100 Marks
Total Theory = 400 Marks, Passing = 200 (i.e. 50%) Marks in aggregate			

Practical Examination:		Marks
Paper-V	Long Cases	40
Paper-VI	Short Cases	60
Paper-VII	Table 1	50
Paper-VII	Table 2	50
Total Marks	(Aggregate marks for passing is 50% out of total.)	200