

## Endoscopy – I

Year: Third Year

Teaching and Examination Scheme:

| Teaching Scheme<br>(Hrs./Week) |   |   | Examination Scheme |           |          |       |           | Total |
|--------------------------------|---|---|--------------------|-----------|----------|-------|-----------|-------|
| L                              | T | P | External           |           | Internal |       |           |       |
|                                |   |   | Theory             | Practical | Theory   | *C.E. | Practical |       |
| 3                              | - | - | 70                 | -         | 15       | 15    | -         | 100   |

L-Lectures; T-Tutorial; P-Practical; C.E.-Continuous Evaluation

### Contents

| Sr. No. | Topic  | Weightage % | Teaching hours |
|---------|--|-------------|----------------|
|         | <ul style="list-style-type: none"> <li>• Studies of Anatomy of Stomach, Oesophagus, Anus, Rectum, Colon, Trachea</li> <li>• Overview of diseases of above organs</li> <li>• Hospital acquired infection and prevention</li> <li>• Common infections – cellulitis, abscess, carbuncle, gangrene, cold abscess,</li> <li>• Wound and wound healing</li> <li>• Wound infection and management</li> <li>• Ulcers and Management</li> <li>• Common neoplastic disorders</li> <li>• Antiseptic Solutions</li> <li>• Dressing material</li> <li>• Bandage application</li> <li>• Bio Medical Waste Management</li> <li>• Universal Precautions</li> <li>• Collection and sending of samples to Laboratory from OT Wards, ICU etc</li> <li>• Urology instruments and equipments maintenance</li> <li>• Laparotomy instruments and equipments maintenance</li> <li>• Sterilization</li> <li>• OT Fumigation and OT maintenance</li> <li>• Biopsy Collection and Preservation</li> <li>• Blood Collection</li> </ul> |             |                |

|  |  |  |           |
|--|--|--|-----------|
|  | <ul style="list-style-type: none"> <li>• Diabetes in Surgery</li> <li>• Hypertension in Surgery</li> <li>• TB in Surgery</li> <li>• Stock &amp; record maintenance</li> <li>• Record management : maintenance of anaesthesia cards as per national guidelines</li> </ul> |  |           |
|  | <b>Total teaching hours for the academic year</b>  |  | <b>54</b> |

**Endoscopy - II**

Year: Third Year

Teaching and Examination Scheme:

| Teaching Scheme (Hrs./Week) |   |   | Examination Scheme |           |          |       |           | Total |
|-----------------------------|---|---|--------------------|-----------|----------|-------|-----------|-------|
| L                           | T | P | External           |           | Internal |       |           |       |
|                             |   |   | Theory             | Practical | Theory   | *C.E. | Practical |       |
| 3                           | - | - | 70                 | -         | 15       | 15    | -         | 100   |

L-Lectures; T-Tutorial; P-Practical; C.E.-Continuous Evaluation

**Contents**

| Sr. No. | Topic   | Weightage % | Teaching hours |
|---------|---|-------------|----------------|
|         | <ul style="list-style-type: none"> <li>Ethics &amp; Consent</li> <li>Biomedical engineering &amp; maintenance of equipments</li> <li>Catheterisation, IV lines, Ryles Tube insertion</li> <li>Details studies of parts of all type of endoscope</li> <li>Maintenance and sterilization of all type of endoscope</li> <li>Maintenance and Sterilization of Laparoscopic surgery equipments</li> <li>Maintenance and Sterilization of Uroendoscopic surgery with set of instruments (PCNL, TURP, URS)</li> <li>Maintenance and Sterilization of Upper GI Scope, Lower GI Scope</li> <li>Maintenance and Sterilization of Cystoscope and Ureteroscope</li> <li>Maintenance and Sterilization of Brochoscope</li> </ul> |             |                |
|         | <b>BASIC ANAESTHESIA EQUIPMENTS AND DRUGS</b> <ul style="list-style-type: none"> <li>Anaesthesia Machine: - Boyle machine &amp; its functioning.</li> <li>Breathing systems: - Magill's breathing circuit, baird circuit, paediatric circuit.</li> <li>Medical Gas System:- Gas cylinders &amp; flow meter</li> <li>Suction Machine: - Foot operated &amp; electrically operated.</li> <li>Anaesthetic drugs: - Local spinal &amp; general anaesthetic agents.</li> <li>Pre-anaesthetic medication</li> <li>Miscellaneous: - Ambu bag &amp; laryngoscope, Endo tracheal tubes, catheters, face masks, ventimask etc.</li> <li>CPR</li> </ul>  |             |                |
|         | <b>RECOVERY ROOM MANAGEMENT</b>   |             |                |

|  |  |  |           |
|--|--|--|-----------|
|  | <ul style="list-style-type: none"> <li>• Preoperative &amp; Post operative management</li> <li>• Record management : maintenance of anesthesia cards as per national guidelines</li> </ul> |  |           |
|  | <b>Total teaching hours for the academic year</b>  |  | <b>54</b> |

**Clinical posting: Endoscopy****Year: Third Year**

Teaching and Examination Scheme:

| Teaching Scheme<br>(Hrs./Week) |   |   | Examination Scheme |           |          |       |           | Total |
|--------------------------------|---|---|--------------------|-----------|----------|-------|-----------|-------|
| L                              | T | P | External           |           | Internal |       |           |       |
|                                |   |   | Theory             | Practical | Theory   | *C.E. | Practical |       |
| -                              | - | - | -                  | 140       | -        | 30    | 30        | 200   |

L-Lectures; T-Tutorial; P-Practical; C.E.-Continuous Evaluation

**Contents****Topic**

- Diseases of Stomach, Oesophagus, Anus, Rectum, Colon, Trachea
- Hospital acquired infection and prevention
- Common infections – cellulitis, abscess, carbuncle, gangrene, cold abscess
- Wound and wound healing
- Wound infection and management
- Ulcers and Management
- Common neoplastic disorders
- Antiseptic Solutions
- Dressing material
- Bandage application
- Bio Medical Waste Management
- Universal Precautions
- Collection and sending of samples to Laboratory from OT Wards, ICU etc
- Urology instruments and equipments maintenance
- Laparotomy instruments and equipments maintenance
- Sterilization
- OT Fumigation and OT maintenance
- Biopsy Collection and Preservation
- Blood Collection
- Diabetes in Surgery
- Hypertension in Surgery
- TB in Surgery
- Stock & record maintenance
- Ethics & Consent
- Biomedical engineering & maintenance of equipments
- Catheterisation, IV lines, Ryles Tube insertion

- Details studies of parts of all type of endoscope
- Maintenance and sterilization of all type of endoscope
- Maintenance and Sterilization of Laparoscopic surgery equipments
- Maintenance and Sterilization of Uroendoscopic surgery with set of instruments (PCNL, TURP, URS)
- Maintenance and Sterilization of Upper GI Scope, Lower GI Scope
- Maintenance and Sterilization of Cystoscope and Ureteroscope
- Maintenance and Sterilization of Brochoscope
- Record management: maintenance of anaesthesia cards as per national guidelines
- Anaesthesia Machine: - Boyle machine & its functioning.
- Breathing systems: - Magill's breathing circuit, baird circuit, paediatric circuit.
- Medical Gas System:- Gas cylinders & flow meter
- Suction Machine: - Foot operated & electrically operated.
- Anaesthetic drugs: - Local spinal & general anaesthetic agents.
- Pre-anaesthetic medication
- Miscellaneous: - Ambu bag & laryngoscope, Endo tracheal tubes, catheters, face masks, ventimask etc.
- CPR
- Preoperative & Post operative management
- Training and maintenance of instruments and equipments.
- Patient handling for different procedures.
- Case studies. Clinical examinations. Report presentation and analysis.