

ENT

OBJECTIVES:

- 1) To enable the student to familiarize himself with the common problems related to the subject of ENT
- 2) To enable the student to be competent to evaluate the symptoms, analyze the findings, diagnose the malady and suggest and implement the treatment modalities to treat the common ENT conditions.
- 3) To make the student competent to perform emergency life saving procedures commonly seen in ENT practice
- 4) To make the student aware of the Program on prevention of deafness and have knowledge of methods for screening for early detection of hearing loss.
- 5) To make learning of the subject of ENT through evoking a curiosity and generate a habit of self-learning which may be utilized to make the learning habit a dynamic one.
- 6) To enhance the attitude, communicative skills, adapt to changing trends in education, learning methods and evolve new diagnostic and therapeutic techniques in the subject of ENT
- 7) To make the student understand the rational use of pharmaco-therapeutic agents used in treating ENT diseases and have the knowledge of the common side effects and interactions of commonly used drugs.

COURSE CONTENTS

1. KNOWLEDGE:

| | Must know | Desirable to know |
|--|-----------|-------------------|
| • History taking in relation to common complaints encountered in ENT | ✓ | |
| • Examination of Ear, nose, Oral cavity, oropharynx, larynx, neck | ✓ | |
| • Causes of pain in the ear | ✓ | |
| • Wax | ✓ | |
| • Otomycosis | ✓ | |
| • Otitis externa | ✓ | |
| • ASOM | ✓ | |
| • NSOM | ✓ | |
| • Causes of Ear discharge | ✓ | |
| • CSOM-Safe | ✓ | |
| • CSOM-Unsafe | ✓ | |
| • Complications of CSOM | ✓ | |
| • Causes of Hearing loss | ✓ | |
| • Diagnosis of Hearing loss | ✓ | |

| | Must know | Desirable to know |
|--|-----------|-------------------|
| • Types of hearing loss | ✓ | |
| • Otosclerosis | ✓ | |
| • Sudden SNHL | ✓ | |
| • Noise Induced Hearing Loss | ✓ | |
| • Causes of Facial Nerve paralysis | ✓ | |
| • Bells Palsy | ✓ | |
| • Traumatic lesions of the Facial nerve | | ✓ |
| • Causes of Vertigo | ✓ | |
| • Difference between Central & Peripheral Vertigo | | ✓ |
| • Meniere's Disease | ✓ | |
| • Tinnitus | ✓ | |
| • Causes of Nasal Obstruction | ✓ | |
| • DNS | ✓ | |
| • Nasal Polyps | ✓ | |
| • Adenoids | ✓ | |
| • Causes of Nasal Discharge | ✓ | |
| • Allergic Rhinitis | ✓ | |
| • Vasomotor Rhinitis | ✓ | |
| • Acute & Chronic Rhinitis | ✓ | |
| • Epistaxis: Causes & Management | ✓ | |
| • Angiofibroma | ✓ | |
| • Acute & Chronic Sinusitis | ✓ | |
| • Carcinoma of Maxilla | ✓ | |
| • Carcinoma of Nasopharynx | | ✓ |
| • Diseases of the Salivary glands | | ✓ |
| • Ludwigs angina | ✓ | |
| • Causes of Dysphagia | ✓ | |
| • Acute & Chronic Tonsillitis | ✓ | |
| • Acute & chronic abscesses in relation to Pharynx | ✓ | |
| • Causes of Hoarseness | ✓ | |
| • Acute & Chronic Laryngitis | ✓ | |
| • Benign lesions of the vocal cord | ✓ | |
| • Malignancy of the Larynx & Hypopharynx | ✓ | |
| • Causes of Stridor | ✓ | |
| • Laryngeal paralysis | ✓ | |

| | Must know | Desirable to know |
|---|-----------|-------------------|
| • Foreign bodies in the air & food passages | ✓ | |
| • Emergency management of the airway | ✓ | |
| • HIV manifestations in ENT | ✓ | |
| • Basic principles of surgeries of ENT | ✓ | |
| • Acoustic Neuroma | | ✓ |
| • Tumors of the middle ear & Mastoid | | ✓ |
| • Electrodiagnostic tests for Facial nerve | | ✓ |
| • Tests for malingering | | ✓ |
| • Trauma to the face & neck | | ✓ |
| • Neoplasms of the sinuses (other than maxilla) | | ✓ |
| • Diagnosis of Voice disorders | | ✓ |
| • Perforation of Oesophagus | | ✓ |
| • Corrosive burns of Oesophagus | | ✓ |
| • Motility disorders of Oesophagus | | ✓ |

2. SKILLS:

| | P. Indep | Under Gui | Assist | Observe |
|--|----------|-----------|--------|---------|
| The student should be adept at the: | | | | |
| • Skill of using a head mirror and know how to focus the light | ✓ | | | |
| • Skill of using the different instruments in the ENT OPD as diagnostic tools eg. Tongue depressor, nasal speculum, Ear probe, laryngeal mirror, posterior nasal mirror, Ear speculum, tuning fork etc | ✓ | | | |
| • Skill of holding and using the Otoscope to be able to visualize the ear drum and its mobility. The student should be able to distinguish a healthy and unhealthy eardrum, a safe and unsafe ear disease. | ✓ | | | |
| • Skill of doing the various tuning fork tests viz. Rinne's, Weber's and Absolute bone conduction tests. | ✓ | | | |
| • Skill to identify and palpate the anatomical landmarks in ENT | ✓ | | | |
| • Skill to Examine the ear, nose, throat & neck | ✓ | | | |
| • Skill to Clean the ear | ✓ | | | |
| • Skill of doing ear syringing | ✓ | | | |
| • Skill of performing routine OPD procedures used for diagnostic and therapeutic methods | ✓ | | | |

| | P. Indep | Under Gui | Assist | Observe |
|---|----------|-----------|--------|---------|
| • Skill to distinguish the types of hearing loss by learning the analysis of the tuning fork test & Audiograms. | ✓ | | | |
| • Skill of Performance of maneuvers like Valsalva's etc | ✓ | | | |
| • Skill of Testing the functions of various cranial nerves | ✓ | | | |
| • Skill of Check for spontaneous nystagmus | ✓ | | | |
| • Skill for doing the Tests for nasal patency | ✓ | | | |
| • Skill to be able to perform maneuvers to maintain and establish the airway in case of emergency. | ✓ | | | |
| • Skill to Suction a tracheostomy | ✓ | | | |
| • Remove wax | | ✓ | | |
| • Perform indirect laryngoscopy and posterior rhinoscopy | | ✓ | | |
| • Remove foreign bodies from the ear & nose | | ✓ | | |
| • Perform Anterior nasal packing | | ✓ | | |
| • Tracheostomy | | | ✓ | |
| • Septoplasty | | | | ✓ |
| • Tonsillectomy & Adenoidectomy | | | | ✓ |
| • Myringoplasty | | | | ✓ |
| • Myringotomy | | | | ✓ |
| • Mastoidectomy | | | | ✓ |
| • Oesophagoscopy | | | | ✓ |
| • Pure tone audiometry | | | | ✓ |

3. GENERAL AREAS TO BE DEVELOPED

- Communication skills
- Analytical and interpretational skills
- Access of Information
- Management of sequelae, long term follow up issues
- Supportive care
- Self help group leadership
- Future technology and advances update.
- Spoken language in vernacular

These general areas may be addressed to, in an integrated manner as a part of institutional development thrust areas.