

DIPLOMA IN OTORHINOLARYNGOLOGY (D.L.O)

Syllabus – theory

Basic Sciences

1. Anatomy including embryology and osteology.
2. Development of ear, nose, throat , paranasal sinuses, larynx, oesophagus and tracheo-bronchial tree.
3. Detailed anatomy of ear, nose, throat, paranasal sinuses, larynx, oesophagus and tracheo-bronchial tree, salivary glands and all the other structures of neck.
4. Basic anatomy of skull base.

Physiology

1. Applied physiology of ear, nose, throat, paranasal sinuses, larynx, oesophagus and tracheo-bronchial tree.
2. Audiology, neurophysiology, vestibular function.
3. Basic immunology.

Pharmacology

A basic idea regarding the pharmacological principles of anti-biotics, anti-histamines, anesthetic drugs, decongestants anti malignancy drugs

Pathology

Histopathology of all ear, nose, throat and head and neck diseases should be known to postgraduates. This includes preparation and staining of histopathology slides, biopsy and FNAC

Microbiology

The basic principles and knowledge regarding bacterial fungal and viral infection and the microbiological aspects of the different organisms, their cultural characters

Statistics

Basic statistics and basics of information technology pertaining to the subject

Otorhinolaryngology

1. Investigation of the diseases of the ear, nose and throat.
2. Diseases of the ear, nose and paranasal sinuses, pharynx, salivary glands, oesophagus, upper respiratory system and nervous system relevant to Otorhinolaryngology.
3. Principles of operative surgery.

Syllabus practicals

All the postgraduates are to be posted in all the units equally by rotation

Clinical skills**1. Interpretation of:**

- (a) routine audio vestibular testing
- (b) results of imaging and other investigations

2. Management of:

- (a) Airway obstruction
- (b) Epistaxis
- (c) Post operative hemorrhage
- (d) Foreign bodies in air and food passages
- (e) Acute infections of head and neck
- (f) Drainage of Peritonsillar abscess
- (g) Nasal fracture and septal haematoma

Surgical skills**Nose**

1. Nasal endoscopy
2. Nasal packing anterior and posterior
3. Removal of foreign bodies from the nose
4. Nasal packing - anterior and posterior
5. Drainage of septal abscess
6. Antral lavage
7. Simple nasal polypectomy
8. Reduction of turbinates
9. Manipulation of fractured nose
10. Submucous resection/septoplasty
11. Caldwell-Luc operation
12. Functional Endoscopic Sinus Surgery (FESS)

Ear

1. Removal of foreign body from ear
2. Pre-auricular sinus excision
3. Perichondritis drainage/excision
4. Myringotomy and grommet insertion

Throat

1. Drainage of quinsy
2. Tonsillectomy and adenoidectomy
3. Rigid endoscopy for foreign body removal from pharynx
4. Tracheostomy

The student will work and take duties in the ENT department of the Medical College Hospital. They will attend O.P.D. regularly and take part in the ward rounds and operations. The course will also include three months attendance in the audiology clinics attached to the Department. The training programmes will include clinical case discussions, seminars, bed-side clinics, case demonstrations and journal clubs

Suggested reading

1. Cummings' Otolaryngology, Head and Neck Surgery-Elsevier Mosby publications 4th edition
2. Scott - Brown's Otolaryngology, Head and Neck Surgery, andth edition, Edward Arnold Publishers Ltd.
3. Byron J. Bailey and Jonas T. Johnson - Head and Neck Surgery, Otolaryngology, 4th edition-Publishers Lippincott Williams and Wilkinson
4. Paparella - Otolaryngology, Head and Neck Surgery
5. Ballenger's Otolaryngology, Head and Neck Surgery by Snow and Wackym, centennial edition, PMBH publications.
6. Surgery of the Ear - Glasscock- Shambaugh, 5th edition , BC Becker Publications.
7. Manual of middle ear surgery by Mirko Tos, 1st edition,Thieme Publications
8. Anatlas of Head and Neck Surgery by Lore and Medina, Elsevier Saunders Publications
9. An atlas of Head and Neck Surgery by Jathin P Shah
10. Atlas of skull base surgery and neurotology by Robert Jackler
11. Color Atlas on Temporal Bone Dissection by Vijayendra Honnurappa
12. Current Diagnosis and Treatment-Otolaryngology Head and Neck Surgery by Anil K. Lalwani - Tata McGraw Hill Publishing Company, New Delhi
13. European Manual of Medicine - Otolaryngology, Head and Neck Surgery by M. Anniko, M. Bernal Sprekelsen, V. Bonkowsky, P. Bradley, S.Iurato Editors - Publishers -Springer (India) Private Ltd
14. Endoscopic Sinus Surgery - Anatomy, three dimensional Reconstruction and Surgical Technique by Peter-John Wormald. Thieme Publishers
15. Endoscopic Sinus Surgery by Stamberger
16. Rhinology and Sinus Disease, A Problem Oriented Approach by Steven D Schaefer, M D, Mosby Publishers
17. Stell and Maran's Head and Neck Surgery by J C Watkinson, vol 1 and2, Hodder Arnold Publications, UK 2008
18. Principles of Medical Statistics by A Bradford Hill
