

VEER NARMAD SOUTY GUJARAT UNIVERSITY, SURAT.

M.S. & D.L.O. (ENT)

OTOLARYN

O.D.L.O. – 1 : To be eligible for the admission to the course of D.L.O. the candidate :

- (a) Must have taken the degree of Bachelor of Medicine and Bachelor of Surgery of this University or of any other University recognized by this University has equivalent there to (reciprocity essential) , and
- (b) he shall completed his compulsory rotating houseman ship (internship) period.

Such candidate shall get himself registered in the D.L.O. course within six months of the commencement of P.G. academic term. He can appear at the D.L.O. Examination two academic years or four academic terms after the admission to the D.L.O. Course.

O.D.L.O. – 2 : The candidate can completed his / her terms by either holding full time resident or equivalent post or as full time post graduate student in the department of ENT of the Medical college affiliated to S.G. University .

O.D.L.O. – 3 : The following is the syllabus laid down for D.L.O. course

I - Basic Science :-

A – The Ear :-

Surgical Anatomy :- (a) Development of the Ear (b) Development of Temporal bone (c) Anatomy of the Ear (d) Anatomical Principles of Temporal bone.

Physiology :- (a) Physical Properties of sound (b) Physiology of Hearing (c) Functional examination of Hearing (d) Hearing Aids (e) Physiology of the vestibular Labyrinth (f) Functional examination of the Labyrinth.

B – The Nose and Paranasal Sinuses :

Surgical Anatomy :-

(a) Development of the Nose (b) Development of the Paranasal sinuses (c) Anatomy of the Nose and Paranasal sinuses (d) Radiographic Examination of Nose and Paranasal (e) Anatomical Principles of the Nose & Sinus Surgery.

Applied Physiology of Nose and Paranasal Sinuses :

(a) Nasal Respiration (b) Protective Functions of the Nose (c) Smell (d) Function of the Paranasal Sinuses.

C- The Mouth and Pharynx :-

Surgical Anatomy :-

- a) Development of the Mouth and Pharynx
- b) Anatomy of the Mouth and Pharynx Salivary glands.
- c) Radiographic Examinations of the Teeth , Jaws and Pharynx.
- d) Anatomical Principles of Pharyngeal Surgery

Applied Physiology of the Mouth Pharynx and Salivary Glands. :

- (a) Function of the subepithelial lymphoid tissue. (b) Salivation
- (c) Deglutition (d) Respiration speech and Taste.

D – The Oesophagus :-

Surgical Anatomy & Applied Physiology :

- (a) Development of the Oesophagus (b) Anatomy of the Oesophagus (c) Applied Physiology of the Oesophagus

E – The Larynx :-

Surgical Anatomy :-

- (a) Development of Larynx (b) Anatomy of the Larynx (c) Radiographic Examination of the Larynx (d) Anatomical Principles of Laryngeal Surgery.

Applied Physiology of the Larynx :-

- (a) Functions of the Larynx
- (b) Mechanics of Laryngeal Movements.

F – The Trachea and Tracheobronchial Tree :-

Surgical Anatomy and Applied Physiology :-

- (a) Development of Trachea and Bronchi
- (b) Anatomy of the Trachea.
- (c) Endoscopic Anatomy of the Tracheo – Bronchial Tree
- (d) Laryngotomy and Tracheostomy .
- (e) Functions of the Trachea and Bronchi.

G – Neurology of the Ear – Nose and Throat.

Applied Anatomy Physiology of the Nervous System.

- (a) The cerebrum (b) The Brainstem and cranial Nerves (c) The cerebrum
- (d) The Meninges (e) The cerebrospinal Fluid. (f) Arterial Blood supply of the Brain and Meninges. (g) The venous Drainage of the Brain and other cranial contents (h) Pituitary gland

Pharmacology in Relation to E.N.T. Practice

- (1) Chemotherapy and Chemotherapeutic Agents.
- (2) Corticosteroids Adrenalsteroids and Antitumor agents.
- (3) Hypnotics, Sedatives
- (4) Analgesics
- (5) Antitussives Expectorants , Antiemetics
- (6) Hypotensive and Vasodilators drugs
- (7) Sympathomimetics,
- (8) Histamines and Antihistamines
- (9) Vit K Anticagulants , Fibrinolytics
- (10) Pituitary and Sex hormones

- (11) Thyroid hormones and Antithyroid drugs
- (12) Iron Vitamin B₁₂ folic acid
- (13) Vitamins A, B, C and D Calcium
- (14) Chemotherapy of Malignant Diseases
- (15) General Anaesthetics, Neuromuscular Blocking Agents Local Anaesthetics.

II DISEASES RELATING TO EAR – NOSE – THROAT INCLUDING THEIR PATHOLOGY, PREVENTION AND TREATMENT.

(A) EAR :

- a) Diseases of the external Ear :-
 - i) Congenital Malformations (ii) Injuries (iii) Otitis External
 - (iv) Neoplasms of External Ear (v) Miscellaneous condition of the External Ear, Warts, Keratosis obturans, sebaceous cysts, Acquired Atresia and (vi) Plastic and Reconstructive Surgery of the Ear.

(B) Diseases of The Middle Ear Cleft :-

- (i) Congenital Malformations, (ii) Injuries (iii) Otitis media - Acute infection of the Middle Ear cleft Non suppurative otitis media, Chronic suppurative otitis media; Management of Chronic suppurative otitis media complications of Infections of the Middle Ear, facial paralysis (iv) Tumours of the Middle Ear cleft and Temporal bone.

(C) Disease of the Otic capsule :-

- (i) Otosclerosis (ii) Miscellaneous conditions of the Otic capsules :- Fragilitas ossium, osteitis Deformans, Lipoid Dystrophies Malignant Granulomas, Epidermoid Tumours.

(D) Diseases of the Inner Ear :-

- (i) Congenital Deafness (ii) Trauma (iii) Inflammatory conditions (iv) Miscellaneous conditions of the inner Ear : Meniere's Disease Presbycusis; Endogenous causes perceptible deafness, Deafness due to vascular insufficiency, central deafness, Psychogenic Deafness Tinnitus Aurium, sensorineural deafness, Deafness in Children Nose and the Ear, Hearing Aids.

(E) Nose and Paranasal Sinuses :-

Disease of the Nose and Paranasal Sinuses :

- (i) Congenital Malformations (ii) Injuries to Nose, Paranasal Sinuses and jaws
- (iii) Inflammations of the Nose. (iv) Inflammation of the paranasal sinuses (General) (v) Infections of the Individual Paranasal Sinuses. (vi) Sinusitis in Children (vii) Complications of suppurative sinusitis (viii) Tumours and cysts of the Nose, Paranasal sinuses and Nasopharynx. (ix) Trauma of the Mandible Maxilla (x) Surgery of Paranasal sinuses, Maxilla and Mandible (xi) Nasal septum (xii) Miscellaneous conditions of the Nose paranasal sinuses :- Epistaxis, Nasal Allergy, Vasomotor rhinitis, Nasal Polyp - Obstruction of Nasal passage, Temporomandibular Joint Arthrosis. (xiii) Corrective Plastic Surgery of the Nose.

(F) The Mouth and Pharynx :-

Diseases of the Oral Cavity :-

- (i) Congenital malformations of the oral cavity.
- (ii) Gingival disease
- (iii) Diseases of the Tongue.
- (iv) Oral mucosal diseases
- (v) Management of Maxillofacial clefts
- (vi) Maxillofacial Prosthetics

Diseases of the Salivary Glands. :-

- (i) Congenital malformations and Trauma of the Salivary Glands.
- (ii) Inflammatory Diseases of the Major salivary glands
- (iii) Gysts and Tumours of the Major Salivary glands
- (iv) Surgery of the Major Salivary glands.

Diseases of the Pharynx :-

- (i) Infuries of the Pharynx
- (ii) Inflammations of the Oral and Pharyngeal mucensmembrane
- (iii) Inflammation of the Pharyngeal Lymphiod tissue
- (iv) Tonsillectomy and Adenoidectomy
- (v) The Pharynx and Deep Neck Infections
- (vi) Cysts and Tumours of the Pharynx
- (vii) Tumours and cysts of Oral cavity
- (viii) Tonsillar Insusive Tongue Lesions.
- (ix) Cancer of the Tongue & floor of the mouth

Diseases of the Trachea , Bronchi and Oesphagus :