

APRIL 2012

[LA 224]

Sub. Code: 2240

**M.S. DEGREE EXAMINATION  
BRANCH IV – E.N.T.  
RHINOLOGY, LARYNGOLOGY AND RECENT ADVANCES INCLUDING  
PAEDIATRIC ENT**

*Q.P. Code : 222240*

**Time : 3 hours  
(180 Min)**

**Maximum : 100 marks**

**Answer ALL questions in the same order.**

**I. Elaborate on :**

**Pages Time Marks  
(Max.) (Max.) (Max.)**

- |   |    |    |    |
|---|----|----|----|
| 1. Describe in detail about the unsafe type of CSOM and its management    | 16 | 35 | 15 |
| 2. Describe the advantages and complications of Endoscopic Sinus Surgery. | 16 | 35 | 15 |

**II. Write notes on :**

- |  |   |    |   |
|--|---|----|---|
| 1. Describe the causes of septal perforation and management.                     | 4 | 10 | 7 |
| 2. Significance of Empty nose syndrome in FESS.                                  | 4 | 10 | 7 |
| 3. Describe the clinical feature and management of Acute epiglottitis.           | 4 | 10 | 7 |
| 4. Enumerate the causes of Afebrile Stridor in Paediatrics and its management.   | 4 | 10 | 7 |
| 5. Describe Lingual thyroid and its investigations and management.               | 4 | 10 | 7 |
| 6. Describe the uses of laser in ENT.  | 4 | 10 | 7 |
| 7. Describe the clinical findings and management of FB in Airway in Paediatrics. | 4 | 10 | 7 |
| 8. Describe the complications of Rigid oesophagoscopy.                           | 4 | 10 | 7 |
| 9. Enumerate the contraindications of Adenotonsillectomy.                        | 4 | 10 | 7 |
| 10. Describe the indications and procedures of UPPP.                             | 4 | 10 | 7 |

[LC 224]

APRIL 2013

Sub. Code: 2240

**M.S. DEGREE EXAMINATION**  
**BRANCH IV – E.N.T.**  
**RHINOLOGY, LARYNGOLOGY AND RECENT ADVANCES**  
**INCLUDING PAEDIATRIC ENT**

*Q.P. Code : 222240*

**Time: Three Hours**

**Maximum: 100 marks**

**Answer ALL questions in the same order.**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. What are the recent trends in rehabilitation of hearing impairment?  
Write in details about the indications, Procedures, complications and post- operative management of cochlear Implant Surgery.
2. Describe the etiology, clinical features, Investigations and treatment of Bilateral incomplete abductor vocal cords paralysis.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Thyroplasty
2. Organ preservation protocols in Head & Neck Surgery
3. BAHA
4. Brainstem Implants
5. Monoclonal Antibodies
6. Role of Image guidance Endoscopic Surgery
7. Tip plasty
8. Laryngomalacia
9. Vasomotor Rhinitis
10. Mobile Foot plate in stapes surgery

\*\*\*\*\*

(LE 224)

APRIL 2014

Sub. Code:2240

**M.S. DEGREE EXAMINATION**

**BRANCH IV – E.N.T.**

**RHINOLOGY, LARYNGOLOGY AND RECENT ADVANCES  
INCLUDING PAEDIATRIC ENT**

*Q.P.Code: 222240*

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X15=30)**

1. Describe the various techniques of phonosurgery.
2. Describe the clinical presentation differential diagnosis, Pathology, investigations and treatment of Wegener's granulomatosis.

**II. Write notes on:**

**(10X7=70)**

1. Invasive fungal sinusitis.
2. Stomal recurrence.
3. Sulcus vocalis.
4. Stridor in new born.
5. Cogan's syndrome.
6. Principles of coblation and its uses in ENT.
7. Monoclonal antibodies.
8. Mid facial degloving.
9. Laryngeal paraganglioma.
10. Collaural fistula.

\*\*\*\*\*

(LF 224)

OCTOBER 2014

Sub. Code: 2240

**M.S. DEGREE EXAMINATION**

**BRANCH IV – E.N.T.**

**PAPER IV - RHINOLOGY, LARYNGOLOGY AND RECENT ADVANCES  
INCLUDING PAEDIATRIC ENT**

*Q.P.Code: 222240*

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss the pathophysiology of obstructive sleep apnoea syndrome.  
Describe the investigations and treatment including the recent advances.
2. Clinical features, evaluation and management of bilateral vocal cord paralysis.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Laryngomalacia.
2. Orbital complications of sinusitis.
3. Congenital Tracheo Oesophageal Fistula.
4. Bilateral Choanal Atresia.
5. Carotid Drill.
6. Expanded Endonasal approaches in coronal plane.
7. Middle Ear Implants.
8. Nasal Myiasis.
9. Rhytidectomy.
10. PET CT.

\*\*\*\*\*

[LG 224]

APRIL 2015

Sub. Code: 2240

**M.S. DEGREE EXAMINATION**

**BRANCH IV – E.N.T.**

**PAPER IV – RHINOLOGY, LARYNGOLOGY AND  
RECENT ADVANCES INCLUDING PAEDIATRIC ENT**

*Q.P. Code : 222240*

**Time: Three Hours**

**Maximum: 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss the anatomy of frontal outflow tract and its variations in relation to the pneumatization of anterior ethmoid. Outline the various surgical techniques for the drainage of frontal sinus.
2. Clinical presentation, assessment and management of penetrating neck injuries.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Congenital sub glottic Stenosis.
2. Modes of presentation of vegetative foreign body of Bronchus and its management.
3. Branchial Cyst and Fistula.
4. STEPS Virtual endoscopy system for hypophysectomy.
5. Use of implants in Laryngology.
6. Clinico pathological stages of TB Larynx and its management.
7. Auditory Brain stem implants.
8. Percutaneous tracheostomy. Briefly outline the functions of tracheostomy.
9. Hadad Naso septal flap.
10. Robotic Surgery.

\*\*\*\*\*

(LI 224)

APRIL 2016

Sub. Code:2240

**M.S. DEGREE EXAMINATION**

**BRANCH IV – E.N.T.**

**PAPER IV – RHINOLOGY, LARYNGOLOGY AND RECENT  
ADVANCES INCLUDING PAEDIATRIC ENT**

*Q.P.Code: 222240*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss the Laser Biophysics in general. Mention the merits and demerits of Co<sub>2</sub> and KTP 532 Laser and its uses in ENT.
2. Discuss in detail the etiology and management of Laryngeal trauma.

**II. Write notes on:**

**(10 x 7 = 70)**

1. BAHA (Bone Anchored Hearing Aid).
2. Angiography in Head and Neck Tumours.
3. Unknown primary.
4. Recent trends in managing Tinnitus.
5. Contact Endoscopy.
6. Conformal Radiotherapy.
7. Biofilms.
8. Radiofrequency ablation.
9. Juvenile Multiple Papillomatosis.
10. Hypothyroidism in ENT practice.

\*\*\*\*\*

(LJ 224)

OCTOBER 2016

Sub. Code:2240

**M.S. DEGREE EXAMINATION**

**BRANCH IV – E.N.T.**

**PAPER IV – RHINOLOGY, LARYNGOLOGY AND RECENT  
ADVANCES INCLUDING PAEDIATRIC ENT**

*Q.P.Code: 222240*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss in detail Extended Endoscopic Endonasal surgeries.
2. Discuss the recent developments in the treatment of obstructive sleep apnoea.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Nasogastric feeding in ENT.
2. Imaging procedures in early acoustic Neuroma.
3. Electro Acoustic Stimulation.
4. Flaps used in Head and Neck Reconstruction.
5. PET Scan.
6. Auditory Brainstem implant.
7. Photodynamic Therapy.
8. Micro laryngeal Surgery.
9. Management of Foreign body bronchus in a child.
10. Acute Epiglottitis.

\*\*\*\*\*

(LK 224)

MAY 2017

Sub. Code:2240

**M.S. DEGREE EXAMINATION**

**BRANCH IV – E.N.T.**

**PAPER IV – RHINOLOGY, LARYNGOLOGY AND RECENT  
ADVANCES INCLUDING PAEDIATRIC ENT**

*Q.P.Code: 222240*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss the Etiology and management of CSF Rhinorrhea.
2. Discuss the recent developments in the use of endoscopy for the diagnosis and treatment of Otitis media. Add a note on sialoendoscopy.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Bilateral cochlear implant.
2. Uses of Laser in ENT.
3. Intensity Modulated Radiotherapy.
4. Causes of Stridor in Children.
5. Cleft Palate.
6. Hypotensive Anesthesia.
7. Oro antral fistula.
8. Transoral Robotic Surgery.
9. Targeted Therapy.
10. Craniofacial Resection.

\*\*\*\*\*

(LL 224)

OCTOBER 2017

Sub. Code:2240

**M.S. DEGREE EXAMINATION**

**BRANCH IV – E.N.T.**

**PAPER IV – RHINOLOGY, LARYNGOLOGY AND RECENT  
ADVANCES INCLUDING PAEDIATRIC ENT**

*Q.P.Code: 222240*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss in detail the various ear, nose, throat and neck manifestations of tuberculosis. Mention the investigations and treatment of tuberculosis.
2. Classify fungal sinusitis. Write in detail about invasive fungal sinusitis.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Vasomotor rhinitis.
2. Midfacial degloving.
3. Monoclonal antibodies.
4. Principles of coblation and its uses in ENT.
5. Cogan's syndrome.
6. Orbital complications of sinusitis.
7. PET CT.
8. Uses of implants in laryngology.
9. Robotic surgery.
10. Sulcus vocalis.

\*\*\*\*\*

**M.S. DEGREE EXAMINATION**

**BRANCH IV – E.N.T.**

**PAPER IV – RHINOLOGY, LARYNGOLOGY AND RECENT  
ADVANCES INCLUDING PAEDIATRIC ENT**

*Q.P.Code: 222240*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:** **(2 x 15 = 30)**

1. Discuss the Etio pathology of acquired laryngo tracheal stenosis, investigations and management.
2. Patho physiology of allergic fungal sinusitis (AFRS). Differentiate AFRS from Eosinophilic Fungal Rhino Sinusitis (EFRS) and Eosinophilic Mucinous Rhino Sinusitis (EMRS). Discuss the Treatment protocol for AFRS.

**II. Write notes on:** **(10 x 7 = 70)**

1. Jet Ventilation anaesthesia for removal of foreign body bronchus.
2. Expanded Endo Nasal approaches in the sagittal plane.
3. Principles of laser surgery and its applications in ENT.
4. Optic Nerve Decompression and discuss the treatment protocol for Traumatic Optic Neuropathy.
5. Ebstein Barr virus Serology in Naso Pharyngeal carcinoma.
6. Trans oral Micro Laryngoscopic laser surgery for laryngeal cancer.
7. Tracheo Oesophageal puncture.
8. Para Pharyngeal tumours. Clinical presentations and surgical approaches.
9. Laryngo Tracheal transplantation.
10. Lefort's fractures.

\*\*\*\*\*

**M.S. DEGREE EXAMINATION**

**BRANCH IV – E.N.T.**

**PAPER IV – RHINOLOGY, LARYNGOLOGY AND RECENT  
ADVANCES INCLUDING PAEDIATRIC ENT**

*Q.P. Code: 222240*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Enumerate the various causes of bilateral abductor palsy of vocal cords. Discuss the modern management in detail for the same.
2. Describe the advantages and complications of endoscopic sinus surgery.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Puberphonia.
2. Application of laser in ENT.
3. Gene therapy in ENT.
4. Powered instruments in FESS.
5. Describe the causes of septal perforation and management.
6. Describe the findings and management of foreign body in airway of Paediatrics.
7. Complications of rigid oesophagoscopy.
8. Indications and contraindications of adenotonsillectomy.
9. Narrow Band Imaging.
10. Paediatric OSAS : Diagnostic criteria and management.

\*\*\*\*\*

**M.S. DEGREE EXAMINATION**

**BRANCH IV – E.N.T.**

**PAPER IV – RHINOLOGY, LARYNGOLOGY AND RECENT  
ADVANCES INCLUDING PAEDIATRIC ENT**

*Q.P. Code: 222240*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss about obstructive sleep apnoea in childhood.
2. Write about the equipment, technique and clinical uses of diagnostic nasal endoscopy.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Image guided surgery in ENT.
2. Embolisation in ENT.
3. DISE.
4. Medical management of Otitis media with effusion in children.
5. Indications, advantages and disadvantages of Oto endoscopy.
6. Coblator in ENT.
7. Functional MRI in ENT.
8. Laryngopharyngeal reflux disease.
9. Augmentation Rhinoplasty.
10. Contact Endoscopy.

\*\*\*\*\*

[LP 224]

OCTOBER 2019

Sub. Code: 2240

**M.S. DEGREE EXAMINATION**

**BRANCH IV – E.N.T.**

**PAPER IV – RHINOLOGY, LARYNGOLOGY AND RECENT  
ADVANCES INCLUDING PAEDIATRIC ENT**

*Q.P. Code: 222240*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe in detail about the Indications, Types, Procedure and Complications of Tracheostomy.
2. Describe the etiopathology and management of Epistaxis.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Laryngocele.
2. Stroboscopy.
3. Rhinophyma.
4. Sialendoscopy.
5. Robotic surgery in ENT.
6. Pre epiglottic space.
7. Endoscopic Dacryo cysto rhinostomy.
8. Dysphonia plica ventricularis.
9. Infantile larynx.
10. Stricture oesophagus.

\*\*\*\*\*

[LQ 224]

AUGUST 2020  
(MAY 2020 SESSION)

Sub. Code: 2240

**M.S. DEGREE EXAMINATION**

**BRANCH IV – E.N.T.**

**PAPER IV – RHINOLOGY, LARYNGOLOGY AND RECENT  
ADVANCES INCLUDING PAEDIATRIC ENT**

*Q.P. Code: 222240*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Clinical features, evaluation and management of bilateral vocal cord palsy.
2. Image guided surgery in nose and paranasal sinuses.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Tracheo - oesophageal fistula
2. Septal perforation
3. Voice prostheses
4. Acute epiglottitis
5. Indications and procedures of UPPP
6. BAHA
7. Tip plasty
8. Transphenoidal hypophysectomy
9. Role of laser in stapes surgery
10. Thyroglossal cyst

\*\*\*\*\*

[MS 0721]

JULY 2021  
(MAY 2021 SESSION)

Sub. Code: 2240

**M.S. DEGREE EXAMINATION**

**BRANCH IV – E.N.T.**

**PAPER IV – RHINOLOGY, LARYNGOLOGY AND RECENT  
ADVANCES INCLUDING PAEDIATRIC ENT**

*Q.P. Code: 222240*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss in detail the workup of voice change in adolescent male and give an account on phonosurgeries.
2. Dysphagia in 10 year old male and discuss in detail about achalasia cardia.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Structures of oesophagus.
2. Microdebrider and its uses.
3. HIV manifestations in ENT.
4. Rhinolith.
5. Acute epiglottitis.
6. Secretory otitis media.
7. Aerodigestive foreign bodies.
8. Stridor in an infant.
9. Immunomodulators in treating ENT diseases.
10. Invasive fungal sinusitis.

\*\*\*\*\*

**THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY**

[MS 0522]

MAY 2022

Sub. Code: 2240

**M.S. DEGREE EXAMINATION**

**BRANCH IV – OTO-RHINO-LARYNGOLOGY**

**PAPER IV – RHINOLOGY, LARYNGOLOGY AND RECENT**

**ADVANCES INCLUDING PAEDIATRIC ENT**

*Q.P. Code: 222240*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:** **(2 x 15 = 30)**

1. Discuss in brief about the various surgeries and procedures performed by an ENT surgeon trained in facial plastic surgery.
2. Discuss about the etiology, pathways of spread, clinical feature & management of nasopharyngeal cancer.

**II. Write notes on:** **(10 x 7 = 70)**

1. Etiology & management of epistaxis in an adult.
2. Laryngomalacia diagnosis & management.
3. CT and MRI findings of invasive fungal sinusitis.
4. Acute post viral Rhinosinusitis.
5. EPOS 2020 classification of primary & secondary CRS.
6. Etiology and management of post covid anosmia
7. JORRP.
8. Role of PET CT in ENT
9. Transoral laser microsurgery.
10. Post-operative management of a patient with CRSwNP.

\*\*\*\*\*

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[MS 1022]**

**OCTOBER 2022**

**Sub. Code: 2240**

**M.S. DEGREE EXAMINATION**

**BRANCH IV – OTO-RHINO-LARYNGOLOGY  
PAPER IV – RHINOLOGY, LARYNGOLOGY AND RECENT  
ADVANCES INCLUDING PAEDIATRIC ENT**

***Q.P. Code: 222240***

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss the anatomy of frontal outflow tract and its variations in relation to the Pneumatisation of Anterior Ethmoid.
2. Function Endoscope Sinus Surgery – Anatomy, Indications, Procedure and Complications.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Foreign Body Cricopharynx.
2. Septal Hematoma.
3. Achalasia Cardia.
4. Paediatric Stridor and its Management.
5. Functional MRI in ENT.
6. Brainstem Implants.
7. Complication Rigid Oesophagoscopy.
8. Vasomotor Rhinitis.
9. Polysomnography.
10. Mucocele of Paranasal Sinuses.

\*\*\*\*\*

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[MS 0723]**

**JULY 2023**

**Sub. Code: 2240**

**(MAY 2023 EXAM SESSION)**

**M.S. DEGREE EXAMINATION**

**BRANCH IV – OTO-RHINO-LARYNGOLOGY**

**PAPER IV – RHINOLOGY, LARYNGOLOGY AND RECENT  
ADVANCES INCLUDING PAEDIATRIC ENT**

*Q.P. Code: 222240*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Enumerate causes of Dysphagia. Elaborate on Oesophageal Carcinoma.
2. Enumerate the congenital causes for stridor and describe in detail about Subglottic stenosis in a Child.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Sphenochanal polyp.
2. Recent advances in management of Facial Palsy
3. Navigation system in Head and Neck surgeries.
4. Nerve Monitors in Head and Neck surgeries.
5. Dysphonia.
6. Neurological conditions of esophagus.
7. BERA.
8. Augmentation Rhinoplasty.
9. Nasopharyngeal Tumors.
10. Laryngocele.

\*\*\*\*\*

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

[MS 1223]

**DECEMBER 2023  
(OCTOBER 2023 EXAM SESSION)**

**Sub. Code: 2240**

**M.S. DEGREE EXAMINATION**

**BRANCH IV – OTO-RHINO-LARYNGOLOGY**

**PAPER IV – RHINOLOGY, LARYNGOLOGY AND RECENT  
ADVANCES INCLUDING PAEDIATRIC ENT**

*Q.P. Code: 222240*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss about the indications and various steps of external rhinoplasty. Write briefly about blepharoplasty and surgical rejuvenation of an ageing face.
2. A 6 /M came to ENT OPD with trismus, right sided facial pain, SOM and a mass in the right-side nasopharynx. Discuss about the differential diagnosis and the management for this patient.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Choanal atresia.
2. Mutations causing congenital sensorinerual hearing loss.
3. Contact Endoscopy.
4. Injection Laryngoplasty.
5. Etiology and management of Epistaxis in children.
6. Role of TLM in head and neck cancer.
7. Intratympanic injections.
8. Pediatric Tracheostomy.
9. Robotic surgery in Head and Neck.
10. Acute viral Rhinitis.

\*\*\*\*\*