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

[MS 0524] **MAY 2024** **Sub. Code: 4015**

M.S. DEGREE EXAMINATION

BRANCH IV – OTO-RHINO-LARYNGOLOGY

PAPER III – RECENT ADVANCES IN OTOLARYNGOLOGY AND HEAD NECK SURGERY

Q.P. Code: 224015

Time: Three Hours **Maximum: 100 Marks**

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

1. Discuss about Types and Modes of Radiotherapy, Source of Radiation. Explain about Complications of Radiotherapy and Specific Care during Radiotherapy.

2. Discuss about the Definition, Pathophysiology, Types, Evaluation and Treatment of Obstructive Sleep Apnea. Enumerate the consequences of OSA.

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

1. Indications for INR (Interventional Neuro Radiology) and enumerate the Materials used for Embolization.
2. Uses of PET Scan in ENT.
3. Various Approaches for Petrous Apex Lesions.
4. MERI (Middle Ear Risk Index)
5. Discuss about Brainstem Implant.
6. Cold Methods of Tonsillectomy.
7. Rhinomanometry.
8. Potential Spaces in Larynx and Discuss about the space related to Hemi Larynx Fixity.
9. Laryngo Fissure Approach – Indications and Advantages.
10. Discuss about Denker's Procedure.

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

[MS 1224] **DECEMBER 2024** **Sub. Code: 4015**
(OCTOBER 2024 EXAM SESSION)

M.S. DEGREE EXAMINATION

OTO-RHINO-LARYNGOLOGY

PAPER III – RECENT ADVANCES IN OTOLARYNGOLOGY AND HEAD NECK SURGERY

Q.P. Code: 224015

Time: Three Hours **Maximum: 100 Marks**

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

1. Cochlear Implant candidacy criteria.
2. Phono surgery- Principles, Types and Recent advances.

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

1. Gamma Knife.
2. Contact endoscopy.
3. Middle ear implants.
4. Coblation.
5. Robotic surgery in ENT.
6. A 35-year-old female had a reddish mass behind and impact tympanic membrane. Discuss about the differential diagnosis and lateral skull base approaches.
7. Hypotensive Anesthesia in ENT.
8. Hypoglossal nerve stimulator.
9. Sublingual immunotherapy.
10. Meniett device.

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

[MS 0525] **MAY 2025** **Sub. Code: 4015**

M.S. DEGREE EXAMINATION

OTO-RHINO-LARYNGOLOGY

PAPER III – RECENT ADVANCES IN OTOLARYNGOLOGY AND HEAD NECK SURGERY

Q.P. Code: 224015

Time: Three Hours **Maximum: 100 Marks**

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

1. Auditory Brain Stem implant candidacy criteria, investigation, surgery and follow up.

2. Causes of Bilateral Vocal Cord Paralysis and management. Describe in detail about Type II Thyroplasty and Arytenoidectomy.

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

1. CI (Cochlear Implantation) in Mondini's syndrome.
2. Perceptual speech analysis.
3. Tissue engineering.
4. Paediatric fess.
5. Laryngotracheal stents.
6. Sialorrhea management.
7. Adjuvant treatment for recurrent respiratory papillomatosis.
8. Nerve integrity monitor.
9. Vestibular implant.
10. Fillers in facial aesthetics.

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THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[MS 1025] **OCTOBER 2025** **Sub. Code: 4015**

M.S. DEGREE EXAMINATION

OTO-RHINO-LARYNGOLOGY

PAPER III – RECENT ADVANCES IN OTOLARYNGOLOGY AND HEAD NECK SURGERY

Q.P. Code: 224015

Time: Three Hours **Maximum: 100 Marks**

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

1. Elaborate about Laryngotracheal injuries, classification, evaluation and management.

2. Describe about application of Image guided surgery, Coblation, Laser and Microdebrider in ENT surgeries.

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

1. Wendler Glotti plasty.
2. FEES.
3. Stapes piston types.
4. Transcutaneous bone conduction device.
5. Interventional angiography in skull base tumours.
6. Vidian neurectomy.
7. Bent and Kuhn criteria for AFRS.
8. Manuka honey uses.
9. Piezo electric motor in Ear surgery.
10. Use of Fluoroscopy in CI.

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THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[MS 0526] **MAY 2026** **Sub. Code: 4015**

M.S. DEGREE EXAMINATION

OTO-RHINO-LARYNGOLOGY

PAPER III – RECENT ADVANCES IN OTOLARYNGOLOGY AND HEAD NECK SURGERY

Q.P. Code: 224015

Time: Three Hours **Maximum: 100 Marks**

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

1. Discuss about the principles of action, types, tissue interactions and indications of LASER. Brief about LASER Safety measures.

2. Differential diagnosis for CP Angle tumors. Discuss about Vestibular Schwannoma and its surgical approaches.

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

1. Optical Coherence Tomography (OCT) in ENT.
2. Polysomnography.
3. Electro Physiologic Study of Facial Nerve.
4. Post Laryngectomy Voice Rehabilitation.
5. Coblation and its uses in ENT.
6. Diagnostic Evaluation in Laryngotracheal Trauma.
7. Treatment for Oral Sub Mucosal Fibrosis.
8. Surgical Treatment for Atrophic Rhinitis.
9. Seroma Pinna - Surgical Treatments.
10. Discuss about Cochlear Implant Technique in Malformed Cochlea.

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