

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

**(MCH 0225)**

**FEBRUARY 2025**

**Sub. Code: 1989**

**M.Ch. – HEAD AND NECK SURGERY**

**PAPER IV – RECENT ADVANCES IN HEAD & NECK SURGERY  
AND ONCO-THERAPEUTICS**

*Q.P. Code: 181989*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss the indications and current evidence for Trans oral robotic surgery in oropharyngeal cancers.
2. What is the current role of Immunotherapy in Head & Neck cancers – discuss the current evidence.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Image guidance in Skull base surgery.
2. Hyper fractionated RT.
3. Neoadjuvant chemotherapy in Sino-nasal malignancies.
4. IONM in parotid surgery.
5. Type 3 Laser cordectomy.
6. Super-selective neck dissection - indications, evidence.
7. Expanded endonasal approaches for skull base tumours.
8. Targeted VEGF in Head and Neck cancer.
9. Central compartment neck dissection – indications and complications.
10. RECIST criteria.

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

**(MCH 0126)**

**JANUARY 2026**

**Sub. Code: 1989**

**M.Ch. – HEAD AND NECK SURGERY**

**PAPER IV – RECENT ADVANCES IN HEAD & NECK SURGERY  
AND ONCOTHERAPEUTICS**

*Q.P. Code: 181989*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss the current role of Neoadjuvant chemotherapy in the management of Head and Neck cancers.
2. Discuss the reconstructive options after Mandibular resection for a patient with oral cancer.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Proton therapy – indications, advantages and limitations in Head and neck cancers.
2. Keynote 689 trial – implications for practice.
3. Central compartment neck dissection in thyroid cancer.
4. Management of Bilateral Vocal cord paralysis after thyroidectomy.
5. Minor salivary gland tumors.
6. Sialendoscopy – indications, side effects and limitations.
7. Pembrolizumab in Head and Neck cancer – mechanism of action, indications, side effects.
8. Adjuvant techniques in oral cancer screening.
9. Association of Lichen planus with oral squamous carcinoma.
10. Discuss the role of surgery in nasopharyngeal cancer.

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