

MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH & STUDIES
(Deemed to be University under section 3 of the UGC Act 1956)

Ph.D ADMISSION TEST (MR-PAT)

Ph.D. in Oral and Maxillofacial Surgery

Module 1: Maxillofacial Trauma

- 1.1 Primary Care of Maxillofacial Injuries
- 1.2 Principles of Fracture Management
- 1.3 Surgical Approaches to the Facial Skeleton
- 1.4 Midface Fractures
- 1.5 Mandibular Fractures
- 1.6 Craniofacial, Nasoethmoidal Fractures
- 1.7 Pediatric Maxillofacial Trauma
- 1.8 Ballistic Injuries to the Face and Neck

Module 2: Temporomandibular Disorders

- 2.1 Assessment and Conservative Management
- 2.2 Arthrocentesis and Arthroscopic Management of Temporomandibular Joint
- 2.3 Dislocation
- 2.4 Ankylosis
- 2.5 Temporomandibular Joint Reconstruction

Module 3: Oral Cancer

- 3.1 The Molecular Biology of Head and Neck Cancer
- 3.2 Radiotherapy in Management of Orofacial Cancer
- 3.3 Chemotherapy and Targeted Agents
- 3.4 Principles of Ablative Surgery
- 3.5 Principles of Reconstructive Surgery
- 3.6 Surgical management of Salivary Gland Tumors

Module 4: Pathologies of the Maxillofacial Region

- 4.1 Cyst of the Maxillofacial Region
- 4.2 Benign Odontogenic Tumours
- 4.3 Reactive Lesions of the Maxillofacial Region
- 4.4 Fibro-osseous lesions of the Maxillofacial Region
- 4.5 Vascular Anomalies of the Maxillofacial Region

Module 5: Craniofacial Deformity

- 5.1 Craniofacial Surgery
- 5.2 Surgical Management of Cleft Lip and Palate Patients
- 5.3 Orthognathic Surgery

Suggested Readings:

1. Books
 - Management of Temporomandibular Disorders and Occlusion – Jeffrey P. Okeson
 - Contemporary Oral Oncology – Moni Abraham Kuriakose (Ed.)
 - Neville's Oral and Maxillofacial Pathology – Brad W. Neville
 - Maxillofacial Trauma and Esthetic Facial Reconstruction - Ward Booth
 - Plastic Surgery: Volume 3: Craniofacial, Head and Neck Surgery and Pediatric Plastic Surgery - Neligan
2. Weblinks
 - <https://link.springer.com/book/10.1007/978-981-15-1346-6>
 - https://link.springer.com/chapter/10.1007/978-3-031-63246-4_1?fromPaywallRec=false