

## **MDS in Oral Medicine and Radiology**

Oral medicine is that area of specific competence concerned with the health of and with disease involving the oral and paraoral structures. It includes those principles of medicine that relate to mouth as well as research in biological, pathological and clinical spheres. Oral medicine includes the diagnosis and medical management of diseases specific to orofacial tissues and of oral manifestations of systemic diseases. It further includes management of behavioural disorders and the oral and dental treatment of medically compromised patient.

Oral medicine specialists are concerned with the non surgical medical aspects of dentistry. These specialists are involved in the primary diagnosis and treatment of oral diseases that do not respond to conventional dental or maxillofacial surgical procedures. Radiology of head and neck is also an integral part of this speciality which not only aids in formatting perfect diagnosis but also in assessing the prognosis.

### **OBJECTIVES OF THE COURSE**

Department of Oral Medicine & Radiology is concerned with the diagnosis and comprehensive medical management of diseases localised in the mouth, oral manifestations of systemic diseases and head and neck region. The candidates shall undergo training for 3 academic years. The following objectives are laid out to achieve the goals of the course:

#### **ORAL DIAGNOSIS**

Oral diagnosis is the art of identifying disease, dysfunction, deformity or defect by an organised approach. It includes thorough examination, necessary investigations, recording the cases in prescribed case sheets.

#### **ORAL MEDICINE**

The Department is also actively involved in the prevention, detection and management of oral precancerous lesions and conditions, temporomandibular disorders, diagnosis of traumatic injuries and other bone disorders. In this Department, the students will be trained in the systematic evaluation of the patients. All non surgical cases are treated with various medical therapeutics.

#### **ORAL AND MAXILLOFACIAL RADIOLOGY**

Apart from the routine intra oral, extra oral radiographs, orthopantogram, cephalometric radiographs, training in a Digital Dental Radiology Department equipped with radio visigraphy [RVG] and cone beam computed tomography[CBCT] is a real privilege.

### **COURSE CONTENTS**

- Applied anatomy of head and neck
- Applied physiology
- Pathology
- Microbiology
- Pharmacology

- Research methodology
- Oral medicine and radiology
- Therapeutics and laboratory investigations
- Management of medical emergencies
- Diagnosis of orofacial disorders

### **TRAINING PROGRAMME FOR M.D.S. IN ORAL MEDICINE AND RADIOLOGY**

The candidates undergoing the postgraduate training in oral medicine will be required to fulfil the following requirement before appearing in the qualifying examination

- Training programme in examination of patient
- Training programme in intraoral and extra oral radiographic procedures including digital radiography, RVG and CBCT.
- Training programme in performing procedural skills : biopsy, FNAC and TENS
- Training programme in operative skills: giving intramuscular and intravenous injections, administration of oxygen and lifesaving drugs to patient, performing basic CPR
- Training programme in medical specialities : general medicine, dermatology, ENT, radiology, oncology
- Teaching assignments
- Seminars
- Journal club
- Case presentations
- Pedagogy
- Library dissertation
- University dissertation

### **OTHER PG ACTIVITIES**

- Short term research studies and epidemiological studies
- Developing teaching modules
- Participation in UG teaching programs
- Participation in CDE programmes and National level conferences.