

**DR.M.G.R EDUCATIONAL & RESEARCH INSTITUTE UNIVERSITY**  
**DEPARTMENT OF CONSERVATIVE AND ENDODONTICS**

**OBJECTIVE:**

1. Competent to diagnose all carious lesions.
2. Competent to perform Class I and Class II cavities and their restoration with amalgam.
3. Restore class V and Class III cavities with glass ionomer cement.
4. Able to diagnose and appropriately treat pulpally involved teeth (pulp capping procedures).
5. Able to perform RCT for anterior teeth.
6. Competent to carry out small composite restorations.
7. Understand the principles of aesthetic dental procedures

**SKILLS:**

- To use medium and high speed hand pieces to carry out restorative work.
- Poses the skills to use and familiarize endodontic instruments and materials needed for carrying out simple endodontic treatment.
- To achieve the skills to translate patients esthetic needs along with function.

**ATTITUDES:**

- i). Maintain a high standard of professional ethics and conduct and apply these in all aspects of professional life.
- ii). Willingness to participate in CDE program to update the knowledge and professional skill from time to time.
- iii). To help and participate in the implementation of the national oral health policy.
- iv). He should be able to motivate the patient for proper dental treatment at the same time proper maintenance of oral hygiene should be emphasize which will help to maintain the restorative work and prevent future damage.

**DR.M.G.R EDUCATIONAL & RESEARCH INSTITUTE UNIVERSITY**  
**DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY**

**OBJECTIVE:**

- ⌞ Able to diagnose, manage and treat patients with basic oral surgical problems
- ⌞ Have a broad knowledge of maxillofacial surgery and oral implantology
- ⌞ Should be familiar with legal, ethical and moral issues pertaining to the patient care and communication skills
- ⌞ Should have acquired the skill to examine any patient with an oral surgical problem in an orderly manner
- ⌞ Understand and practice the basic principles of asepsis and sterilisation
- ⌞ Should be competent in the extraction of the teeth under both local and general anaesthesia
- ⌞ Competent to carry out certain minor oral surgical procedure under LA like trans-alveolar extraction, frenectomy, dento alveolar procedures, simple impaction, biopsy, etc.
- ⌞ Competent to assess, prevent and manage common complications that arise during and after minor oral surgery
- ⌞ Able to provide primary care and manage medical emergencies in the dental office
- ⌞ Familiar with the management of major oral surgical problems and principles involved in the inpatient management.

**SKILLS:**

1. A graduate should have acquired the skill to examine any patient with an oral surgical problem in an orderly manner. Be able to understand requisition of various clinical and laboratory investigations and is capable of formulating differential diagnosis.
2. Should be competent in the extraction of teeth under both local and general anesthesia.
3. Should be able to carry out certain minor oral surgical procedures under L.A. like frenectomy, alveolar procedures & biopsy etc.
4. Ability to assess, prevent and manage various complications during and after surgery.
5. Able to provide primary care and manage medical emergencies in the dental office.
6. Understanding of the management of major oral surgical problems and principles involved in patient management

**DR.M.G.R EDUCATIONAL & RESEARCH INSTITUTE UNIVERSITY**  
**DEPARTMENT OF ORAL MEDICINE & RADIOLOGY**

**OBJECTIVE:**

- └ Able to identify precancerous and cancerous lesions of the oral cavity and refer to the concerned specialty for their management
- └ Should have an adequate knowledge about common laboratory investigations and interpretation of their results.
- └ Should have adequate knowledge about medical complications that can arise while treating systemically compromised patients and take prior precautions/ consent from the concerned medical specialist.
- └ Have adequate knowledge about radiation health hazards, radiations safety and protection.
- └ Competent to take intra-oral radiographs and interpret the radiographic findings
- └ Gain adequate knowledge of various extra-oral radiographic procedures, TMJ radiography and sialography.
- └ Be aware of the importance of intra- and extra-oral radiographs in forensic identification and age estimation
- └ Should be familiar with jurisprudence, ethics and understand the significance of dental records with respect to law

**SKILLS:**

(1) Definition and importance of Diagnosis and various types of diagnosis

(2) Method of clinical examinations-General Physical examination by inspection-Oro-facial region by inspection, palpation and other means.To train the students about the importance, role, use of saliva and techniques of diagnosis of saliva as part of oral disease,Examination of lesions like swellings, ulcers, erosions, sinus, fistula, growths, pigmented lesions, white and red patches, Examination of lymph nodes, Forensic examination – Procedures for post-mortem dental examination; maintaining dental records and their use in dental practice and post-mortem identification; jurisprudence and ethics.

(3) Investigations-Biopsy and exfoliative cytology, Hematological, Microbiological and other tests and investigations necessary for diagnosis and prognosis

**DR.M.G.R EDUCATIONAL & RESEARCH INSTITUTE UNIVERSITY**  
**DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY**

**OBJECTIVE:**

1. The different types of pathological processes, which involves the oral cavity.
2. The manifestations of common diseases, their diagnosis & correlation with clinical pathological processes.
3. An understanding of the oral manifestations of systemic diseases should help in correlating with the systemic physical signs & laboratory findings.
4. The student should understand the underlying biological principles governing treatment of oral diseases.
5. The principles of certain basic aspects of Forensic Odontology.

**SKILLS**

1. Microscopic study of common lesions affecting oral tissues through microscopic slides & projection slides.
2. Study of the disease process by surgical specimens.
3. Study of teeth anomalies/polymorphisms through tooth specimens & plaster casts.
4. Microscopic study of plaque pathogens.
5. Study of haematological preparations (blood films) of anaemias & leukemias.
6. Basic exercises in Forensic Odontology such as histological methods of age estimation and appearance of teeth in injuries.

**DR.M.G.R EDUCATIONAL & RESEARCH INSTITUTE UNIVERSITY**  
**DEPARTMENT OF ORTHODONTICS & DENTAL ORTHOPAEDICS**

**OBJECTIVE:**

- └ Understand about normal growth and development of facial skeleton and dentition.
- └ Pinpoint aberrations in growth process both dental and skeletal and plan necessary treatment
- └ Diagnose the various malocclusion categories
- └ Able to motivate and explain to the patient (and parent) about the necessity of treatment
- └ Plan and execute preventive orthodontics (space maintainers or space regainers)
- └ Plan and execute interceptive orthodontics (habit breaking appliances)
- └ Manage treatment of simple malocclusion such as anterior spacing using removable appliances
- └ Handle delivery and activation of removable orthodontic appliances
- └ Diagnose and appropriately refer patients with complex malocclusion to the specialist.

**DR.M.G.R EDUCATIONAL & RESEARCH INSTITUTE UNIVERSITY**  
**DEPARTMENT OF PAEDIATRIC & PREVENTIVE DENTISTRY**

**OBJECTIVE:**

- └ Able to instill a positive attitude and behaviour in children towards oral health and understand the principles of prevention and preventive dentistry right from birth to adolescence.
- └ Able to guide and counsel the parents in regards to various treatment modalities including different facets of preventive dentistry.
- └ Able to treat dental diseases occurring in child patient.
- └ Able to manage the physically and mentally challenged disabled children effectively and efficiently, tailored to the needs of individual requirement and conditions.

**DR.M.G.R EDUCATIONAL & RESEARCH INSTITUTE UNIVERSITY**  
**DEPARTMENT OF PERIODONTOLOGY**

**OBJECTIVE:**

- └ Diagnose the patients periodontal problem, plan and perform appropriate periodontal treatment
- └ Competent to educate and motivate the patient
- └ Competent to perform thorough oral prophylaxis, subgingival scaling, root planning and minor periodontal surgical procedures.
- └ Give proper post treatment instructions and do periodic recall and evaluation
- └ Familiar with concepts of osseointegration and basic surgical aspects of implantology

**SKILLS:**

The student shall acquire the skill to perform dental scaling ,diagnostic tests of periodontal diseases; to use the instruments for periodontal therapy and maintenance of the same.

**DR.M.G.R EDUCATIONAL & RESEARCH INSTITUTE UNIVERSITY**  
**DEPARTMENT OF PUBLIC HEALTH DENTISTRY**

**OBJECTIVE:**

- └ Apply the principles of health promotion and disease prevention
- └ Have knowledge of the organization and provision of health care in community and in the hospital service
- └ Have knowledge of the prevalence of common dental conditions in India.
- └ Have knowledge of community based preventive measures
- └ Have knowledge of the social, cultural and env. Factors which contribute to health or illness.
- └ Administer and hygiene instructions, topical fluoride therapy and fissure sealing.
- └ Educate patients concerning the etiology and prevention of oral disease and encourage them to assure responsibility for their oral health.

**SKILLS AND ATTITUDES:**

- Students shall have require at the skill of identifying health problems affecting the society, conducting health surveys, conducting health education classes and deciding health strategies.
- Students should develop a positive attitude towards the problems of the society and must take responsibilities in providing health.



**DR.M.G.R EDUCATIONAL & RESEARCH INSTITUTE UNIVERSITY**  
**DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE**

**OBJECTIVE:**

- └ Able to understand and use various dental materials
- └ Competent to carry out treatment of conventional complete and partial removable dentures and fabricate fixed partial dentures
- └ Able to carry out treatment of routine prosthodontic procedures.
- └ Familiar with the concept of osseointegration and the value of implant-supported Prosthodontic procedures.