



MDS PROGRAMME SPECIFIC LEARNING OUTCOMES

PROSTHODONTICS

1. Making primary impression of completely edentulous condition with Impression compound and fabrication of special tray
2. Able to perform removable partial and complete denture laboratory works.
3. Able to perform teeth setting for removable partial and complete denture prostheses.
4. Elicit case history for partially and completely edentulous Patients
5. Clinical procedures involving impressions, maxillomandibular relationships, wax trials, denture insertions and recall visits for removable prosthesis and for Fixed Prosthesis
6. Treatment planning and evaluation of diagnostic data.
7. Knowledge on objectives of impression making, materials, techniques & armamentarium
8. Laboratory skills for fabrication of removable prosthesis
9. Knowledge about recent dental materials and rehabilitation techniques

PERIODONTOLOGY

1. Ability to identify the normal structures of the oral cavity
2. Competent to diagnose the common dental and oral diseases
3. Competent in interpreting the radiographic findings
4. Ability to use the proper instruments for a given condition
5. Providing preventive dental care and dental care for medically compromised patients
6. Knowledge about recent advances in dentistry
7. Communication, interpersonal and managerial skills
8. Skills of oral health promotion including Primary and Secondary Prevention
9. The ability to respect community values, including an appreciation of a diversity of backgrounds and cultural values.



ORAL MEDICINE AND RADIOLOGY

1. Diagnosis of pre-malignant and malignant disorders
 2. Able to execute various diagnostic procedures and medications
 3. Case history taking and clinical examination
 4. Formulation of treatment protocol and writing a prescription for dental diseases
 5. Diagnosing and managing bacterial, viral, and fungal oral lesions
 6. Demonstration of techniques of intra oral radiography (IOPA, Occlusal, and bitewing)
- Interpretation of normal radiographic anatomy and the pathology

PEDIATRIC AND PREVENTIVE DENTISTRY

1. Total rehabilitation of early childhood caries in children
2. Student should be competent to treat dental diseases which are occurring in child patient. Student should be able to manage to repair and restore the lost / tooth structure to maintain harmony between both hard and soft tissues of the oral cavity.
3. Student should be able to manage the disabled children effectively and efficiently, tailored to the needs of individual requirement and conditions.
4. Student should be able to create a good oral health in the child with Installing a positive attitude and behavior in children

ORAL AND MAXILLOFACIAL SURGERY

1. Student should be able to identify the tooth indicated for extraction
2. Student should be able to differentiate the primary and permanent teeth
3. Student should be able to interpret the IOPA and OPG radiograph to facilitate diagnosis and treatment planning
4. Student should be able to identify various dental extraction forceps and elevators used for extractions, minor oral surgical procedures
5. Student should be able to select the appropriate quantity of local anesthetic agents and perform the appropriate technique of administration of LA and also able to prescribe post op medications,



6. Student should be able to perform total extraction procedures and manage complications
7. Student will be able to perform extraction for special children and medically compromised patients
8. Student will be able to discuss about the various advanced oral surgical procedures
9. Student should be able to display effective interpersonal communication and managerial skills on patient care

ORAL PATHOLOGY

1. Should have the ability to understand the manifestations of common lesions affecting the oral and para-oral structures
2. Should be able to understand the basic aspects of Forensic Odontology
3. Should be able to identify the microscopic slides of the diseases of oral cavity.
4. An oral pathologist is expected to perform routine histopathological evaluation of specimens relating to oral and perioral tissues, to carry out routine diagnostic procedures including hematological, cytological, microbiological, Immunological and ultra-structural investigations.
5. He/she is expected to have an understanding of current research methodology, collection and interpretation of data, ability to carry out research projects on clinical and or epidemiological aspects, a working knowledge on current databases, automated data retrieval systems, referencing and skilling writing scientific papers.
6. He/she is expected to present scientific data pertaining to the field, in conferences both as poster and verbal presentations and to take part in group discussions.
7. The students should have basic knowledge of biopsy procedure and slide preparation.
8. They would have the basic knowledge on laboratory chemicals and equipment.
9. Student should have learnt to identify and appreciate the microscopic slide and writing are portion oral diseases/lesion.



ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

1. Able to list the indications and components, comprehend the mechanism of action and select appropriate removable orthodontic appliance in any given clinical scenario
2. Able to recall the steps, fabricate the components of Hawley's removable orthodontic appliance and also acrylize Hawley's and habit breaking appliance accurately in a preclinical condition
3. Able to recall the steps, fabricate and insert the appliance, give instructions and follow up in a clinical condition
4. Able to describe the functional development of dental arches and occlusion, growth & development of the jaws
5. Able to classify malocclusion and diagnose using an appropriate classification system
6. Able to elicit history, perform a clinical examination and diagnose the malocclusion in a clinical scenario
7. Able to explain the uses of IOPA, OPG and lateral cephalogram pertaining to orthodontic diagnosis
8. Able to interpret IOPA, OPG and trace / interpret lateral cephalogram pertaining to orthodontic diagnosis
9. Able to select and use appropriate instruments for fabrication of removable orthodontic appliances
10. Able to recall the composition and properties of alginate, dental stone, heat cure & self-cure acrylic and commonly used orthodontic wires
11. Able to demonstrate manipulation of alginate and impression making for a patient
12. Able to manipulate dental stone & self-cure acrylic and perform necessary wire bending
13. Able to explain the malocclusion & treatment plan and give post appliance insertion instructions to patients.



CONSERVATIVE DENTISTRY AND ENDODONTICS

1. Competent to diagnose all carious lesions
2. Adjust patients chair position in relevance to different procedures. Maintain appropriate posture and position during interaction with the patient and performing procedures
3. Demonstrate recommended hand washing techniques and placement of personal protective barriers
4. Provide restorative management for all types of carious lesion with no pulpal involvement with restorative materials such as silver amalgam, glass ionomer cement and composite resins
5. Placement of intermediate restoration at recommended conditions
6. Perform clinical evaluation for deep carious lesions by adopting direct and indirect pulp capping procedure
7. Perform direct midline diastema closure with composite resin layering procedure.
8. Understand the principles of aesthetic dental procedures.
9. Competent to perform restorative management for all types of carious lesion in phantom head models.
10. Competent to manipulate different dental materials.
11. Competent to identify and use dental restorative instruments
12. Competent to perform preclinical root canal treatment in single rooted extracted tooth

PUBLIC HEALTH DENTISTRY

1. Knowledge about various commonly used dental indices
2. Knowledge about various instruments used for recording the indices
3. Recording a comprehensive case history
4. Accurate recordings of the scores of the various indices
5. Diagnosis of common oral findings
6. Formulation of treatment plan based on various levels of prevention.
7. Planning appropriate Community Oral Health Program conducts the program and evaluate at the community level.
8. Develop the planning, implementation, evaluation and administrative skills to carry



ADHIPARASAKTHI DENTAL COLLEGE & HOSPITAL

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Affiliated to The Tamilnadu Dr.M.G.R Medical University

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out successful community Oral Health Programs.

9. To apply ethical and moral standards while carrying out epidemiological researches.