



# MANSAROVAR DENTAL COLLEGE

Mansarovar Campus, Rani Avanti Bai Marg, Village- Hinotia Aalam,

Ward No. 84, Kolar Road, Bhopal (M.P) 462042

Tel: +91-9111777225, 761158888. Website: [www.mansarovardentalcollege.com](http://www.mansarovardentalcollege.com)

## **2.6.1 Relevant documents pertaining to learning outcomes and graduate attributes**



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## LEARNING OUTCOMES AND GRADUATE ATTRIBUTES

At the completion of the undergraduate training programme the graduates shall be competent in the following-

### General Skills

- Apply & skills in day to day practice
- Apply principles of ethics
- Analyze the outcome of treatment
- Evaluate the scientific literature and information to decide on the best course of the treatment.
- Participate and involve in professional organization.
- Self reflective and willing to update knowledge and skill time to time.
- Involvement in simple research projects
- Minimum computer proficiency to enhance knowledge and skills
- Refer patients for consultation and specialized treatment
- Basic study of forensic odontology and geriatric dental problems

### Practice Management

- Evaluate practice location, population dynamics & reimbursement mechanism
- Co-ordinate & supervise the activities of allied dental health personnel
- Maintain all records
- Implement & monitor the infection control and environmental safety programs.
- Practice within the scope of one's competence

### Communication & Community Resources

- Assess patients goals, values and concerns to establish rapport and guide and motivate patient care.
- Able to communicate freely, orally and in writing with all concerned
- Participate in improving the oral health of the individuals through community activities

  
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## Patient Care- Diagnosis

- Obtaining patient's history in a methodical way
- Performing thorough clinical examination
- Selection and interpretation of clinical, radiological and other diagnostic information
- Obtaining appropriate consultation
- Arriving at provisional, differential and final diagnosis

## Patient Care - Treatment Planning

- Integrate multiple disciplines into an individual comprehensive sequence treatment plan using
- diagnostic and prognostic information
- Able to order appropriate investigations

## Patient Care Treatment

- Recognition and initial management of medical emergencies that may occur during
- Dental treatment
- Perform basic cardiac life support
- Management of pain including post operative
- Administration of all forms of local anaesthesia
- Administration of intra muscular and venous injections
- Prescription of drugs, pre operative, prophylactic and therapeutic requirements
- Uncomplicated extraction of teeth
- Transalveolar extractions and removal of simple impacted teeth
- Minor oral surgical procedures
- Management of Oro-facial infections
- Simple orthodontic appliance therapy
- Taking, processing and interpretation of various types of intra oral radiographs
- Various kinds of restorative procedures using different materials available
- Simple endodontic procedures

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## ORAL MEDICINE & RADIOLOGY

- Able to identify potentially malignant disorders of the oral cavity and refer to the concerned specialty for their management.
- Should have an adequate knowledge about routine 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 hazards, radiations safety and protection.
- Competent to take intra-oral radiographs and interpret the radiographic findings
- Gain knowledge of various extra-oral radiographic procedures, TMJ radiography and sialography.
- Be aware of the significance 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
- Able to identify the pathogenic affecting oral cavity, head & neck region.

## CONSERVATIVE DENTISTRY AND ENDODONTICS

- Demonstrate proficiency in diagnosing various carious lesions.
- Students should be capable of formulating comprehensive treatment plans, considering individual patient needs, treatment alternatives, and long-term outcomes.
- To be able to perform preventive modalities like a traumatic restorative treatment, fluoride varnishes, sealants, and preventive resin restorations to prevent dental caries and promote oral health.
- Exhibit competency in performing and restoring Class I and Class II cavities using amalgam.
- Skillfully restore Class V and Class I cavities with Glass Ionomer Cement (GIC).
- Display the ability to diagnose and provide appropriate treatment for pulpal involvement in teeth, including pulp capping procedures.

  
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- Perform Root Canal Treatment (RCT) for anterior teeth with expertise.
- Capable of carrying out small composite restorations efficiently.
- Possess a comprehensive understanding of the principles governing aesthetic dental procedures.
- Possess the expertise to address traumatic injuries of the dentition effectively.
- Provide training with a multidisciplinary approach to treatment planning, fostering a comprehensive understanding of patient care.
- Foster a keen interest in the field of Conservative Dentistry and Endodontics, with a view to pursuing it as a specialization.

## ORAL & MAXILLOFACIAL SURGERY

- Able to apply the knowledge gained in the basic medical and clinical subjects in the management of patients with maxillofacial disease.
- Able to diagnose, manage and skillfully 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 surgical asepsis and sterilization
- 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 transalveolar 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 diagnose (preliminary), provide primary care and manage/ refer medical emergencies in the dental office.
- Familiar with the management of major oral surgical problems and principles involved in the in-patient management

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## PROSTHODONTICS AND CROWN & BRIDGE

- Able to understand and use various dental materials
- Competent to carry out treatment and fabrication of conventional complete and partial removable denture.
- Competent to carry out treatment and fabrication of fixed partial dentures.
- Able to carry out treatment of routine prosthodontic procedures.
- Familiar with the concept of osseointegration and the value of various implant-supported Prosthesis.
- Familiar with the maxillofacial prosthesis for various facial and intraoral defects like obturator, prosthetic eye, ear, nose, cheek etc.

## PERIODONTOLOGY

- To understand the biology of tooth supporting structure completely.
- To diagnose, classify and treat periodontal problem and dosage.
- Clarity of concept for patient education.
- Competency in performing basic/ core periodontal procedures and basic periodontal surgery & long term periodontal maintenance.
- Clarity of concepts of basic implantology & clinical knowledge of implant placement ( basic) and implant maintenance.
- Cultivate interest in the field of periodontics, so as to motivate for further education & specialization in the field periodontology.

## PUBLIC HEALTH DENTISTRY

- 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 environmental Factors which contribute to health or illness.

  
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- 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.

## ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS

- Understand about normal growth and development of facial skeleton and dentition.
- Pinpoint aberrations in growth process both dental and skeletal and plan necessary Treatment.
- Identify the various malocclusions categories.
- Skill to motivate and explain to the patient about the need for treatment.
- Plan and execute preventive orthodontics (space maintainers or space retainers)
- 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.
- Understanding different type of complex malocclusions and refer to the orthodontist.

## PAEDIATRIC & PREVENTIVE DENTISTRY

- Able to instill a positive attitude and behavior 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. (Fillings. Crowns, Pulpectomy, Pulpotomy and other dental procedures).
- Able to manage the physically and mentally challenged disabled children effectively and efficiently, tailored to the needs of individual requirement and conditions.

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