




PMS COLLEGE OF DENTAL SCIENCE & RESEARCH

Sl n o	SUBJECT	SPECIFIC COMPETENCIES	ATTAIN MENT OF THE SPECIFIC COMPETENCIES
1	ORAL MEDICINE & RADIOLOGY	<ul style="list-style-type: none"> Be able to analyse patients systemic conditions those are relevant in treating his/her dental condition. Be able to identify the common dental problems and to plan Treatment judiciously Be able to differentiate the normal variations and oral mucosal lesions .Be able to identify pre-cancerous and cancerous lesions of the oral cavity and refer to the concerned specialty for their management Have an adequate knowledge about common laboratory investigations and interpretation of their results. Have thorough knowledge about Radiographic aids . Have adequate knowledge about radiation health hazards, radiation safety and protection. Be competent to take intra-oral and radiographs and interpret the radiographic findings. Gain adequate knowledge of various extra-oral radiographic procedures, TMJ radiography and sialography. 	<p>Case recording with emphasis on medical history</p> <p>Case recording and documentation. Formulation of comprehensive treatment plan</p> <p>Formulation of clinical differential diagnosis and provisional diagnosis from clinical signs and symptoms</p> <p>Planning of appropriate investigations and proper interpretations</p> <p>Radiographic technique demonstration</p>

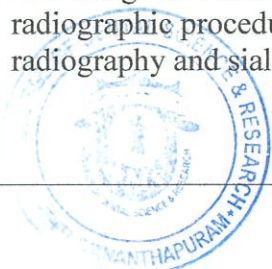




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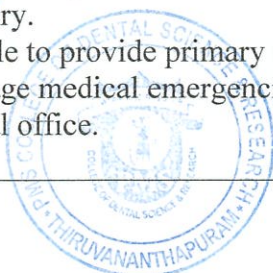



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		<ul style="list-style-type: none"> • Be aware of the importance of intra- and extra-oral radiographs in forensic identification and age estimation. • Be familiar with jurisprudence, ethics and understand the significance of dental records with respect to law 	Orientation classes on humanity, ethics, and medicolegal aspects. Mid class activity and post class evaluation tests.
2	ORAL AND MAXILLOFACIAL SURGERY	<ul style="list-style-type: none"> • Be able to apply the knowledge gained in the basic medical and clinical subjects in the management of patients with surgical problems. • Be able to diagnose, manage and treat patients with basic oral surgical problem • Have a broad knowledge of maxillofacial surgery and oral Implantology. • Be familiar with legal, ethical and moral issues pertaining to patient care and communication skills. • 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 sterilization. • Be competent in the extraction of the teeth under local anesthesia. • Be Competent to carry out certain minor oral surgical procedures under Local Anesthesia like trans-alveolar extraction, frenectomy, Dentoalveolar procedures, simple impaction, biopsy, etc. • Be 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. 	<p>Recording of case history</p> <p>Management of medical emergency -</p> <p>Hands on Training for Minor Oral surgical procedures</p> <ul style="list-style-type: none"> • Suturing on sponges and simulators • Wiring exercises • Incisions on models <p>Observations of Major surgery under GA</p> <p>Knowledge about expected complications of each procedure.</p> <p>Primary care and basic life support</p>



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		<ul style="list-style-type: none"> • Be familiar with the management of major oral surgical problems and principles involved in the in-patient management. • Be able to Certify Death 	Awareness about major surgical procedures-OT visit
3	PERIODONTICS	<ul style="list-style-type: none"> • Be able to diagnose the patient's periodontal problem, plan and perform appropriate periodontal treatment. • Be Competent to educate and motivate the patient. • Be 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. • Be Familiar with concepts of osseointegration and basic surgical aspects of implantology. 	<p>Case history recording procedure and training for treatment planning procedure.</p> <p>Theory classes, seminars (Mid class activity and post class evaluation tests) and clinical training after the procedure.</p> <p>Clinical training under the supervision of staff.</p> <p>Training for enhancing communication skills of students with the patients and to create rapport.</p> <p>Theory classes and clinical training for implant placement and also mid class activity and post class evaluation tests</p>
4	CONSERVATIVE DENTISTRY	<ul style="list-style-type: none"> • Be Competent to diagnose all carious lesions. 	Case recording and planning of appropriate investigations and proper interpretations



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		<ul style="list-style-type: none"> • Be Competent to perform Class I and Class II cavities and their restoration with amalgam. • Be able to restore class V and Class III cavities with glass ionomer cement. • Be able to diagnose and appropriately treat pulpally involved teeth (pulp capping procedures). • Be able to perform RCT for anterior teeth • Be competent to carry out small composite restorations • Understand the principles of aesthetic dental procedures 	<p>Hands on Training using typodont and clinical training under the supervision of staff.</p> <p>Hands on Training using typodont and clinical training under the supervision of staff.</p> <p>Planning of appropriate investigations and proper interpretations to proceed with the treatment.</p> <p>Preclinical training in extracted teeth and clinical training under the supervision of staff</p> <p>Hands on Training using typodont and clinical training under the supervision of staff</p> <p>Theory classes and seminars conducted in the department along with mid class activity and post class evaluation tests.</p>
5	ORTHODONTICS&DE NTOFACIAL ORTHOPEDICS	<ul style="list-style-type: none"> • Understand about normal growth and development of facial skeleton and dentition. 	<p>Educating students through theory classes and seminars.</p>



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		<ul style="list-style-type: none"> • Be able to pinpoint aberrations in growth process both dental and skeletal and plan necessary treatment • Be able to diagnose the various malocclusion categories • Be able to motivate and explain to the patient and parent/guardian about the necessity of treatment • Be able to plan and execute preventive orthodontics (space maintainers or space regainers) • Be able to plan and execute interceptive orthodontics (habit breaking appliances) 	<p>Case recording and documentation. Formulation of clinical diagnosis from the observations.</p> <p>Improving communication skills of students to create rapport with the patients/guardian.</p> <p>Preclinical training in the form of wire bending exercises and clinical practice under staff guidance</p>
6	PUBLIC HEALTH DENTISTRY	<ul style="list-style-type: none"> • 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 	<p>Health education training for disease prevention at primary, secondary and tertiary level.</p> <p>Community camps and training during college hours.</p> <p>Theory classes(mid class activity and post class evaluation tests) and attending seminars and workshops.</p>



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		<ul style="list-style-type: none"> • Have knowledge of community based preventive measures • Have knowledge of the social, cultural and environmental factors, which contribute to health or illness. • Be able to administer hygiene instructions, topical fluoride therapy and fissure sealing. • Be able to educate patients concerning the etiology and prevention of oral disease and encourage them to assure responsibility for their oral health. 	<p>Acquiring knowledge regarding levels of prevention.</p> <p>Theory classes ,seminars etc pertaining to the subject along with mid class activity and post class evaluation tests.</p> <p>Clinical training under the supervision of staff.</p> <p>Organising health education programmes in college and during community camps.</p>
7	PROSTHODONTICS , CROWN & BRIDGE	<ul style="list-style-type: none"> • Be able to understand and use various dental materials. • Be competent to carry out treatment of conventional Simple complete and partial removable dentures and anterior crowns. • Be able to carry out Prosthodontic laboratory procedures. 	<p>Preclinical exercises and orientation classes for manipulation of dental materials</p> <p>Clinical cases are undertaken under the supervision of staff.</p> <p>Preclinical training provides with exposure to laboratory procedures.</p> <p>Theory classes (mid class activity and post class</p>



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		<ul style="list-style-type: none"> • Be familiar with the concepts of osseointegration and the value of implant supported Prosthodontic procedures. • Be able to diagnose and appropriately refer patients requiring complex treatment procedures to the specialist 	<p>evaluation tests)and clinical training for prosthetically driven implant placement.</p> <p>Recording of case history and case discussions with staff .</p>
8	PAEDIATRIC AND PREVENTIVE DENTISTRY	<ul style="list-style-type: none"> • Be able to in still a positive attitude and behaviour in children towards oral health and understand the principles of prevention and preventive dentistry right from birth to adolescence. • Be able to guide and counsel the parents/guardian in regards to various treatment modalities including different facets of preventive dentistry. • Be able to treat dental diseases occurring in child patient. • Be able to manage the physically and mentally challenged / disabled children effectively and efficiently, tailored to the needs of individual requirement and conditions. 	<p>Theory classes pertaining to the subject along with mid class activity and post class evaluation tests and clinical training.</p> <p>Subject knowledge through seminars and theory classes along with mid class activity and post class evaluation tests and enhancement of communication skills during clinical training.</p> <p>Training for taking up case history and treatment planning. Preclinical and clinical training for treating child patients.</p> <p>Clinic based educational activities to make the students competent enough to assess the needs of such patients.</p>



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