



MES Dental College

Malaparamba, Perinthalmanna, Malappuram 679 338

TEL: 04933-298405/258400 (Fax)

E-Mail: mesdentalcollege06@yahoo.com

8.1.8: The Institution has introduced objective methods to measure and certify attainment of specific clinical competencies by BDS students/interns as stated in the undergraduate curriculum by the Dental Council of India

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CERTIFICATE OF THE HEAD OF INSTITUTION



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**Dr. ABDUL SHAMEEM K, MDS.,
PRINCIPAL**

TO WHOMSOEVER IT MAY CONCERN

This is to certify that, our Institution has introduced objective methods to measure and certify attainment of specific clinical competencies by BDS students/interns as stated in the undergraduate curriculum by the Dental Council of India details are given :



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Prof. Dr. SACHIN ASLAM
PRINCIPAL
MES DENTAL COLLEGE
PALACHODE, PERINTHALMANNA
MALAPPURAM- 679 338

Shameem K
Prof. DR. ABDUL SHAMEEM. K
PRINCIPAL
MES DENTAL COLLEGE
PALACHODE, PERINTHALMANNA
MALAPPURAM- 679 338



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REPORT ON THE LIST AND STEPS TAKEN BY THE COLLEGE



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LIST OF COMPETENCIES AND MEASURES TAKEN TO ACHIEVE THEM		
SUBJECT	COMPETENCIES	MEASURES TAKEN
Conservative dentistry and endodontics	<ul style="list-style-type: none"> Competent in diagnosing pulpal and periapical diseases of teeth. Competent to perform amalgam, GIC, composite restorations Competent to perform direct and indirect pulp capping and anterior RCT 	<ul style="list-style-type: none"> Detailed case history and examination of patient. Training given on plaster models, typhodonts and extracted natural teeth on various tooth preparation techniques for different restorations. Patient management and communication skills training given. Endodontic treatment on anterior teeth performed
Oral medicine and radiology	<ul style="list-style-type: none"> Demonstrate knowledge & proficiency in the assessment of common dental problems like acute pain, dental caries & other Odontogenic infections. Demonstrate knowledge & proficiency in the selection of appropriate clinical & laboratory examinations in the diagnosis & 	<ul style="list-style-type: none"> Detailed case history and clinical examination of patients Assessment, diagnosis and giving differential diagnosis as well as final diagnosis of oral lesions. Processing and Interpretation of radiographs.

Prof. Dr. Sachin Aslam
Prof. Dr. SACHIN ASLAM
 PRINCIPAL
 MES DENTAL COLLEGE
 PALACHODE, PERINTHALMANNA
 MALAPPURAM- 679 338



Dr. Abdul Shameem K
DR. ABDUL SHAMEEM. K
 PRINCIPAL
 MES DENTAL COLLEGE
 PALACHODE, PERINTHALMANNA
 MALAPPURAM- 679 338



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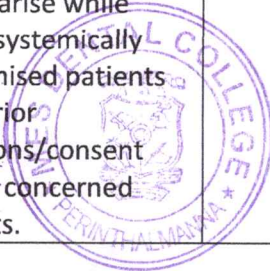
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management of
Orofacial disorders.

- Differentiate the normal variants & oral mucosal lesions.
- Identify pre-cancerous & cancerous lesions of the oral cavity & refer to the concerned specialty for their management.
- Demonstrate expertise in carrying out various chair side investigative procedures like Electric pulp testing, staining for dental caries and vital staining for detecting pre-cancerous lesions.
- Demonstrate knowledge & proficiency in management of patients with special health care needs.
- Demonstrate adequate knowledge about medical complications that can arise while treating systemically compromised patients & take prior precautions/consent from the concerned specialists.

Prof. Dr. SACHIN ASLAM
PRINCIPAL
MES DENTAL COLLEGE
PALACHODE, PERINTHALMANNA
MALAPPURAM- 679 338



Prof. DR. ABDUL-SHAMEEM. K
PRINCIPAL
MES DENTAL COLLEGE
PALACHODE, PERINTHALMANNA
MALAPPURAM- 679 338

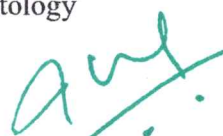


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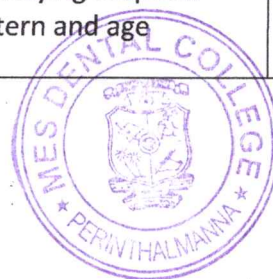
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	<ul style="list-style-type: none"> • Demonstrate expertise in the clinical & pharmacological management of patients with Orofacial conditions. • Demonstrate adequate knowledge about radiation health hazards, radiation safety & protection and radiologic quality assurance. • Understand & apply imaging principles & clinical findings to select an imaging study most appropriate for each diagnostic task. • Demonstrate competency in taking intra oral radiographs & interpreting the radiographic findings. • Given demonstration on specialized radiographs like TMJ radiograph, Sialograph and CBCT. 	
<p>Dental anatomy, embryology and oral histology</p> 	<ul style="list-style-type: none"> • Competent in identifying maxillary and mandibular teeth. • Identifying eruption pattern and age 	<ul style="list-style-type: none"> • Carving of maxillary and mandibular teeth. • Age estimation using casts.

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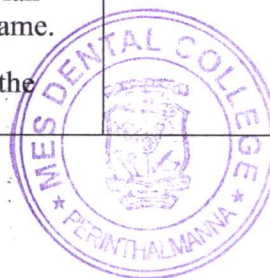
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	<p>estimation.</p> <ul style="list-style-type: none"> Identifying microscopic features of dental tissues. 	<ul style="list-style-type: none"> Demonstration using microscopic slides, study models and tooth specimen. Demonstration of the laboratory procedures in Histopathology lab.
Oral pathology and microbiology	<ul style="list-style-type: none"> Ability to identify different oral lesions through microscopic slides. Identification of anomalies of teeth. Understanding basic concepts in forensic odontology 	<ul style="list-style-type: none"> Demonstration through microscopic slides and slide projections. Demonstration through tooth specimens and plaster casts. Demonstration using lip prints. Age estimation using cast.
Periodontics	<ul style="list-style-type: none"> Acquire the skill of recording case history, clinical examination of the periodontium, specific periodontal diagnosis and determining the prognosis. The students acquire the knowledge and decision making to make appropriate evidence-based treatment plan and execute the same. Students acquire the knowledge about 	<ul style="list-style-type: none"> Training given for taking detailed case history, examination, diagnosis and treatment planning. Oral prophylaxis through hand and ultrasonic scaling and oral hygiene instructions.

Sachin
Prof. Dr. SACHIN ASLAM
 PRINCIPAL
 MES DENTAL COLLEGE
 PALACHODE, PERINTHALMANNA
 MALAPPURAM- 679 338



Shameem
Prof. DR. ABDUL SHAMEEM. K
 PRINCIPAL
 MES DENTAL COLLEGE
 PALACHODE, PERINTHALMANNA
 MALAPPURAM- 679 338



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	<p>importance of long-term maintenance, regular follow ups for the success of periodontal therapy.</p> <ul style="list-style-type: none">• Students are well equipped to use the instruments required to perform periodontal therapy.• Students develop adequate skills to give appropriate Oral Hygiene Instructions required to maintain good oral health.	
<p>Prosthodontics and crown and bridge</p> <p><i>aut.</i></p>	<ul style="list-style-type: none">• Ability to understand and manipulate different dental materials.• Competent to carry out removable and fixed prosthesis on patients.• Understanding the concepts of osseointegration and implant supported prosthesis	<ul style="list-style-type: none">• Preclinical exercises given on manipulation of dental materials, fabrication of dentures as well as tooth preparation for different crowns.• Training given on preparation and delivery of prosthesis on patients• The students are educated about the basic concepts of osseointegration.• The students are well versed in the diagnosis and

Prof. Dr. SACHIN ASLAM
PRINCIPAL
MES DENTAL COLLEGE
PALACHODE, PERINTHALMANNA
MALAPPURAM- 679 338



DR. ABDUL SHAMEEM, K
PRINCIPAL
MES DENTAL COLLEGE
PALACHODE, PERINTHALMANNA
MALAPPURAM- 679 338




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		treatment planning of various prosthodontic cases.
Oral and maxillofacial surgery	<ul style="list-style-type: none">• Able to diagnose, manage and treat patients with surgical problems.• Should be familiar with legal, ethical and moral issues pertaining to the patient care and communication skills.• Competent to perform minor oral surgical procedures and extraction under local anaesthesia.• Able to manage patients with medical emergencies	<ul style="list-style-type: none">• Recording case history, clinical examination and diagnosis.• Performing dental extraction and minor surgical procedures under local anesthesia• Assisting transalveolar extraction and major surgical procedures
Paediatric and preventive dentistry	<ul style="list-style-type: none">• Understanding dental diseases occurring in child patient and its prevention and management.• Competent in managing child patients, non cooperative and medically challenged patients.	<ul style="list-style-type: none">• Detailed case history ,examination, diagnosis and treatment planning of patients.• Identifying and differentiating primary and permanent teeth• Training given for management of non cooperative and medically as well as physically challenged patients


Prof. Dr. SACHIN ASLAM
PRINCIPAL
MES DENTAL COLLEGE
PALACHODE, PERINTHALMANNA
MALAPPURAM- 679 338




Prof. DR. AROON SHAMEEM. K
PRINCIPAL
MES DENTAL COLLEGE
PALACHODE, PERINTHALMANNA
MALAPPURAM- 679 338




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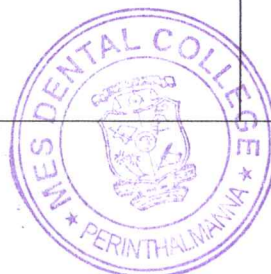
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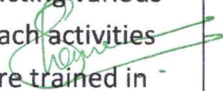
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Orthodontics and dentofacial orthopaedics	<ul style="list-style-type: none">• Diagnosing various malocclusion, growth aberration in dental and skeletal pattern and forming treatment plan.• Plan and execute preventive and interceptive orthodontics.	<ul style="list-style-type: none">• Training given for alginate impression, study model preparation and model analysis.• Preclinical training given for fabrication of removable appliances.• Case history, examination, diagnosis, treatment planning and cephalometric tracings were done.
Public health dentistry	<ul style="list-style-type: none">• Apply the principle of health promotion and disease prevention.• Have knowledge of community based preventive measures.• Have knowledge of the organisation and provision of health care in community and in the hospital service.	<ul style="list-style-type: none">• Students are assigned problem related to health and disease and asked to plan health promotion and disease prevention activities.• Students are trained in various preventive procedures like pit and fissure sealant application and topical fluoride• Students are actively involved in conducting various outreach activities and are trained in diagnosing and


Prof. Dr. SACHIN ASLAM
PRINCIPAL
MES DENTAL COLLEGE
PALACHODE, PERINTHALMANNA
MALAPPURAM-679 338




Prof. Dr. ABDUL SHAMEEM, K
PRINCIPAL
MES DENTAL COLLEGE
PALACHODE, PERINTHALMANNA
MALAPPURAM-679 338



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		<p>providing dental services and health education at the outreach program for the service of community. Important health days are also observed by the students and various programs are planned to observe the important days. Students are also posted at the satellite clinics during their internship so that they get the training in a clinical set up in rural areas.</p>
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Shameem

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