



MALABAR DENTAL COLLEGE & RESEARCH CENTRE

Manoor - Chekannur Road, Mudur P.O, Edappal,

Malappuram Dist, Kerala - 679578

Phone: 0494 – 2697020, 21,22, 23,24,25

www.mdcr.edu.in, info@macity.edu.in

DEPARTMENT OF PERIODONTOLOGY

Dr. MEENU MERRY C. PAUL MDS
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OSCE AND OSPE

Objective Structured Clinical Examination (OSCE) OSCE is an assessment tool in which the components of clinical competence such as history taking, physical examination, simple procedures, patient management problems, communication, and attitude are tested using agreed checklists and rotating the students round Practical Examinations - OSPE, OSCE and Spot 3 a number of stations some of which have observers with check lists. OSCE is applicable to any situation where clinical competencies are to be tested.

Table 2. Differences between OSCE and OSPE

		OSPE	OSCE
1	Domain	Higher level of Knowledge	Psychomotor
2	Tests ability to	Identify structures on cadaver and radiographs and relate it with clinical scenario	Apply structural knowledge to perform examination and procedures
3	Time	2-4 minutes / station	>4 minutes / station
4	Space	One big hall	Isolated small rooms close to each other
5	Examiner	Nonspecific 2-3 personal per hall	Expert examiner for each station
6	Check List	Not required	Required
7	Standardized Patients (SPs)	Not required	Required
8	Observers	Not Required	Required

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OBJECTIVES: The following objectives are laid out to achieve the goals of the course

A) KNOWLEDGE:

- Discuss historical perspective to advancement in the subject proper and related topics. Describe etiology, pathogenesis, diagnosis and management of common periodontal diseases with emphasis on Indian population. Familiarize with the biochemical, microbiologic and immunologic genetic aspects of periodontal pathology
- Describe various preventive periodontal measures
- Describe various treatment modalities of periodontal disease from historical aspect to currently available ones
- Describe interrelationship between periodontal disease and various systemic conditions
- Describe periodontal hazards due to estrogenic causes and deleterious habits and prevention of it. Identify rarities in periodontal disease and environmental/Emotional determinates in a given case
- Recognize conditions that may be outside the area of his/her Speciality/ competence and refer them to an appropriate Specialist. Decide regarding non-surgical or surgical management of the case
- Shall develop knowledge, skill in the science and practice of Oral Implantology

B) SKILLS:

- Take a proper clinical history, thorough examination of intra oral, extra oral, medical history evaluation, advice essential diagnostic procedures and interpret them to come to a reasonable diagnosis. Effective motivation and education regarding periodontal disease maintenance after the treatment
- Perform both non-surgical & education regarding periodontal disease, maintenance after the treatment. Perform both non-surgical and surgical procedures independently
- Provide Basic Life Support Service (BLS) recognizes the need for advance life support and does the immediate need for that.
- Human values, ethical practice to communication abilities.



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Before the start of OSPE, following instructions are given to students:

1. Bring your own pen/pencils and must wear white lab coats
2. Electronic devices like mobile phones, tabs etc. are not allowed in the examination hall
3. Cheating in any respect is strictly prohibited and the regulation of the university will be applied
4. Write your name and ID on each sheet of answer books
5. Upon entering the OSPE examination hall, stand on each station with face opposite to station
6. Encircle the station number in your answer books. This will be your first station and then follow the sequence
7. A bell will ring at the beginning of OSPE marking the start of examination
8. Rotate clockwise around 14 stations including 2 rest stations spending 90 seconds (1.5 minutes) at each station
9. Clear instructions are given at each stations as to what you should do
10. Do not touch or move the models, specimens or plastinated specimen
11. Do not move the microscopic slides, only fine adjustments knobs can be used
12. A bell will ring at the end of examination and remain at your station from where the answer books will be collected



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1. On entering the dental clinic

- i. Did the student greet the patient
- ii. Did the student make the patient comfortable in the dental chair before asking the chief complaint.
- iii. Was the history properly recorded
- iv. Was the instruments properly arranged

PERFORMANCE	SCORE GIVEN
Outstanding	
Good	
Satisfactory	
Unsatisfactory	
Poor	
Bad	

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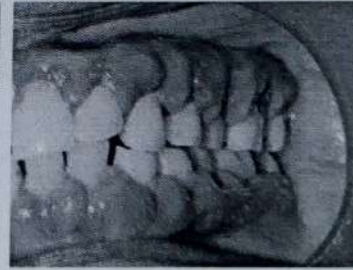
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2. Name : Vanaja
O.P no : 13630/19
age : 49
sex : female
occupation : home maker
phone : 989792976
address : chungathu perumparambu.

Patient complains of swollen gums in the entire upper and lower jaw since 6 years. Patient noticed the swollen gums 6 years back. Initially swelling was noticed in the lower front region which later became generalized. Patient also reported bleeding from gums. No history of pain reported

Medical history

- Hypertensive:- under Amlodipine since 16 years
- Diabetic:- not under medication .



Identify the condition? And its treatment.

PERFORMANCE	SCORE GIVEN
Outstanding	
Good	
Satisfactory	
Unsatisfactory	



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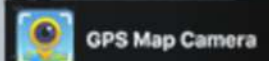
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3. Identify the procedure which is done?



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Outstanding	
Good	
Satisfactory	
Unsatisfactory	
Poor	
Bad	


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4. i. What is the maintenance period for periodontal disease?

ii. What is gingivitis and periodontitis around an implant called?

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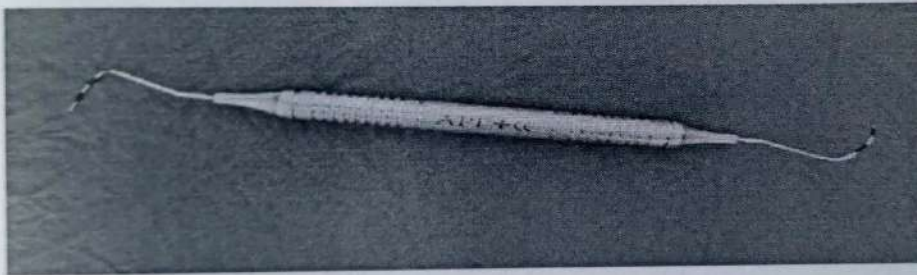
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4. i. Name this probe
ii. What is it use.



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Good	
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Unsatisfactory	



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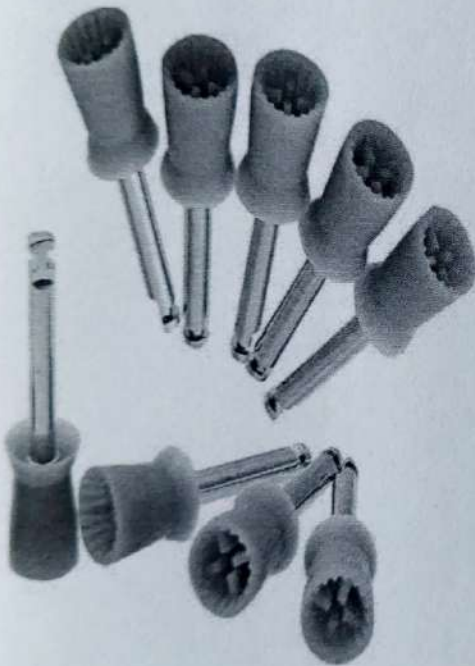
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5. i. What is the name of this instrument

ii. Mention its uses



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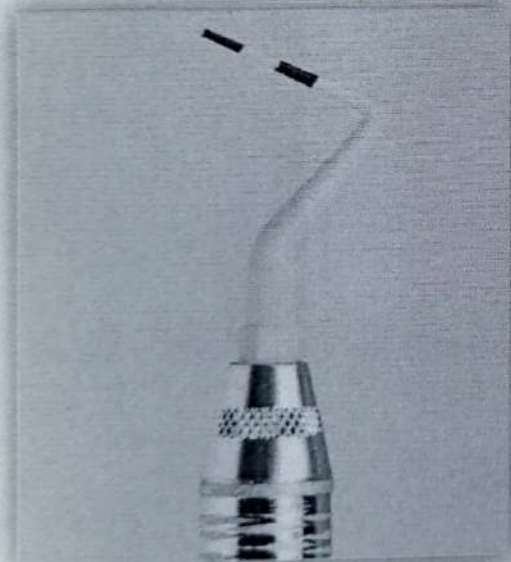
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6. a) .Name the instrument

b) Mention its use



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7. Most important initiative factor for periodontitis is

- A. Dental plaque
- B. Calculus
- C. Trauma from occlusion
- D. Food debris layer

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Outstanding	
Good	
Satisfactory	
Unsatisfactory	
Poor	
Bad	

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8. How to manage a periodontitis patient with a history of cardiac problem .

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Outstanding	
Good	
Satisfactory	
Unsatisfactory	
Poor	
Bad	

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9. a. What is the normal fasting blood sugar level-

b. What is the normal BP Level-

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Outstanding	
Good	
Satisfactory	
Unsatisfactory	
Poor	
Bad	

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10. How do you manage a patient with severe bleeding after scaling?

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Outstanding	
Good	
Satisfactory	
Unsatisfactory	
Poor	
Bad	

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11. Demonstrate modified bass brushing technique in the model given

PERFORMANCE	SCORE GIVEN
Outstanding	
Good	
Satisfactory	
Unsatisfactory	
Poor	
Bad	


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12. Demonstrate hand scaling in the given model.

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Outstanding	
Good	
Satisfactory	
Unsatisfactory	
Poor	
Bad	

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OVERALL SCORING CRITERIA

PERFORMANCE	SCORE GIVEN
Outstanding	5
Good	4
Satisfactory	3
Unsatisfactory	2
Poor	1
Bad	0


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