

Periodontal Re-evaluation: Competency Examination

Discipline Conducting Assessment/Exam:	PERIODONTICS
Course Number the Competency Assessment is Within:	PERI 5902
Usual Semester Assessment/Exam Conducted:	Eighth, Spring

General Information on MCG Competency Assessments/Exams:

Competency Assessments are intended to be capstone experiences that evaluate a student's ability to apply a comprehensive set of knowledge, skills and values to patient care activities. The MCG Competency Assessments are required of **all students**. A student **must pass** all competency assessments within a course to pass the course. In addition, a student **must pass** all Competency Assessments in order to graduate. The student must pass **all** the Competency Assessments **without assistance** from faculty or other students.

MCG Competency Statements:

All the MCG Competency Statements are listed below. The competency statements that are evaluated by this particular Competency Assessment/Exam are indicated **in bold**.

In the care of the child, adolescent, adult, geriatric and medically compromised patient, graduates of the Medical College of Georgia School of Dentistry shall possess the knowledge, skills, and values to be competent to:

1. Apply advances in modern biology to clinical practice and to integrate new medical knowledge and therapies relevant to oral health care
2. **Apply the principles of behavioral science that pertain to patient-centered oral health care**
3. Provide care to a diverse patient population
4. **Communicate with patients, staff and colleagues concerning oral health care matters**
5. Evaluate different models of oral health care management and delivery
6. Understand the basic principles of practice management and have the skills to conduct a contemporary dental practice
7. Recognize and apply the ADA's Principles of Ethics and Code of Professional Conduct and the Laws of Georgia and the Georgia Board of Dentistry's Rules

- 8. Recognize his/her level of skill and knowledge, take steps to improve areas of deficiency and to improve existing skills, and to refer patients when appropriate**
9. Understand medical/dental literature, the application of scientific principles and evidenced-based documentation in order to provide comprehensive patient care
10. Use information technology for professional development and comprehensive patient care
- 11. Obtain and assess diagnostic information from clinical and radiographic procedures**
- 12. Develop ideal sequenced treatment plans and alternatives based on etiologies, prognoses and patient circumstances**
- 13. Educate and treat patients to improve and maintain their oral health**
- 14. Obtain informed consent from a patient, parent, or guardian**
15. Prescribe and administer pharmacological agents for anxiety, pain, infection and caries prevention
- 16. Manage diseases and conditions of the teeth**
17. Manage replacement of teeth for the partially or completely edentulous patient
- 18. Manage periodontal diseases**
19. Manage pulpal and periradicular disease
20. Diagnose and manage orofacial abnormalities and pathology
21. Perform uncomplicated oral surgical procedures
22. Diagnose and manage common orofacial problems that cause patients to seek urgent dental care
23. Assess the dentition to determine the need for orthodontic treatment
- 24. Evaluate the outcomes of treatment**
25. Prevent and manage complications and emergencies arising during dental care and to provide basic cardiac life support if necessary

Knowledge, Skills and Values:

The Periodontal Re-evaluation Competency examination is a test of your ability to use your diagnostic skills in Periodontics to evaluate your patient's response to non-surgical (scaling and root planing) periodontal therapy. It is also a test of your ability to recognize medical, behavioral or local factors which contribute to your patient's periodontal condition and to formulate treatment plans to address these problems. Prior to attempting this examination, students must have passed the Year 3 – Periodontal Diagnosis and Treatment Planning examination, and must have performed a periodontal re-evaluation examination on at least one previous periodontal patient. Students must pass the Periodontal Re-evaluation examination in their Junior year before they can begin their Senior Periodontal Case Competency.

Procedural Requirements:

Patient Selection: Patients for the Junior Periodontal Re-evaluation examination should present with a diagnosis of periodontitis, AAP Case Type II. There should be at least 4 teeth in the mouth with pocket depths in the 4-6mm range. Bone and attachment loss should be minor (1-3mm). Whenever possible, students are encouraged to use the same patient for this examination as was chosen for use as the Periodontal Diagnosis and Treatment Planning examination. The patient chosen for this examination must be approved by a full-time Periodontics Department faculty before the data base examination is initiated. If the patient chosen for this examination is not the same patient used for the Periodontal Diagnosis and Treatment Planning examination, pre-treatment periodontal probing attachment level measurements and assessments of gingival inflammation and dental plaque must be present in the patient's record, and the student must formulate a problem list and treatment plan for faculty approval before initiating the data base examination.

Sequencing and Referring Periodontal Treatment Steps: Students are expected to perform all periodontal treatment procedures on their Periodontal Re-evaluation Competency examination patients. No periodontal treatment step transfers are allowed. In addition, no restorative treatment procedures may be step-transferred before completion of the tissue response and re-evaluation examination. Restorative treatment performed prior to completion of the re-evaluation examination should be limited to those procedures which are associated with contributing local etiological factors (overhangs, etc.).

Periodontal scaling and root planing procedures should be performed by quadrant (or unit). Oral hygiene evaluation and instruction should be provided at each appointment. Tissue responses should be completed and a **complete re-evaluation examination performed no sooner than 4 weeks following completion of all root planing** and tissue responses. In addition, the re-evaluation examination should not be completed later than 3 months following completion of root planing.

Periodontal Re-evaluation Examination: The Periodontal re-evaluation examination consists of a full mouth charting of gingival inflammation, dental plaque, periodontal probing depths and attachment levels, bleeding on probing, mobility, furcation involvements and calculus deposits.

Evaluation of the Patient's Response to Treatment: The patient's response to periodontal treatment is evaluated by comparing the clinical examination data from the Periodontal Re-evaluation Examination with that obtained at the initial examination. The initial problem list should be used to evaluate your success in resolving the patient's periodontal problems. Residual problems should be identified on the Problem List along with treatment recommendations to address these problems. In the space following the problem list, you are also asked to provide your explanations for the presence of any residual periodontal problems identified at the re-evaluation examination and why you do, or do not recommend additional periodontal therapy.

Competency Assessment Criteria and Grading Model:

The **Periodontal Re-Evaluation Competency examination** is evaluated in two parts: First, the clinical examination is evaluated by faculty when the student has completed data collection. Then the outcome assessment and treatment plan are evaluated after the student has completed the case work-up. Examination forms and evaluation criteria are attached.

Multiple Competency Statements being Addressed:

Students must pass all components of this IPE. A failure of any individual evaluation criteria will necessitate repeating the examination.

Remediation:

Failure of this examination will require repeating the examination on either the same patient or a subsequent patient at the discretion of the faculty.

Periodontal Re-evaluation: Competency Examination

Patient: _____ Student: _____

PROBLEM RESOLUTION

#	Initial Problem	Status at Re-Evaluation	Proposed Treatment for Un-resolved Problems
1	Poor Oral Hygiene PI = %	PI = %	
2	Gingival Inflammation GI = %	GI = %	
3	Moderate Pocket Depths #pockets 4-6mm = ____	#pockets 4-6mm = _____	
4	Deep Pocket Depths #pockets ≥7mm = ____	#pockets ≥7mm = _____	
5	Bleeding On Probing # sites =	Bleeding On Probing # sites =	
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

► Each Problem from the Initial Problem List should be re-evaluated. ◀

Periodontal Re-evaluation: Competency Examination

- For each tooth which still has pocket depths ≥ 5 mm, list the site (MB, DL etc.) and circle those sites with bleeding on probing:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
32	31	30	29	28	27	26	25	24	23	22	21	20	18	18	17

- List those factors which have impaired your ability to resolve inflammation and reduce pocket depths to a maintainable level at the above-listed sites in this patient:

- List each tooth which still has a pocket depth ≥ 5 mm and your proposed treatment for each tooth/quadrant.

Tooth or Quadrant	Proposed Treatment:

Periodontal Re-evaluation: Competency Examination

Student: _____ No: _____ Faculty _____ Date _____

PERIODONTAL RE-EVALUATION:	4 points	√	2 point	√	0 points	√
Gingival Inflammation UL UR LR LL	0-3 surfaces		4-6 surfaces		7+ surfaces	
Dental Plaque UL UR LR LL	0-3 surfaces		4-6 surfaces		7+ surfaces	
Calculus remaining	0-3 surfaces		4-6 surfaces		7+ surfaces	
M-BP measurements UL UR LR LL	0-2 errors		3-4 errors		5+ errors	
M-CEJ measurements UL UR LR LL	0-2 errors		3-4 errors		5+ errors	
PAL measurements UL UR LR LL	0-2 errors		3-4 errors		5+ errors	
Furcation involvement	0-1 errors		2-3 errors		4+ errors	
Tooth Mobility	0-1 errors		2-3 errors		4+ errors	
Bleeding on Probing	Yes				No	
Chart identification/date	Yes				No	
EVALUATION TREATMENT RESPONSE:	4 points	√	2 points	√	0 points	√
Identification of non-responding sites	0-2 errors		3-4 errors		5+ errors	
Identifies local causes for non-response	0-1 errors		2 errors		3 errors	
Identifies systemic causes non-response	0-1 errors		2 errors		3 errors	
Appropriate Tx for non-responding sites	0-1 errors		2 errors		3 errors	
Periodontal Problem List	4 points	√	2 points	√	0 points	√
Statement of new/additional problems	All problems identified. Problems stated with enough detail.		Missed 1 problem. Problems not stated with enough detail.		Missed ≥2 problems. Problems not stated with enough detail.	
Evaluation of Problem status at Re-eval	All residual problems identified. Problem status correctly assessed.		Missed 1 problem or problem status incorrect for 1 problem.		Missed ≥2 problems or problem status incorrect for ≥2 problems.	
Method of treatment	Proper treatment method identified for each unresolved problem.		Treatment methods not specific for 1-2 problems		Treatment methods missing and not specific for >2 problems.	
Periodontal Treatment Plan	4 points	√	2 points	√	0 points	√
Oral Hygiene Instructions & Motivation:	OH evaluated at each appt; Included proper devices & technics		OH evaluated at all but 1-2 appts, or with improper technics		OH not evaluated at >2 appts.	
Root Planing:	Root planing performed by quadrant. Minimal supra gingival calculus		Root planing done in 2 appts. Some sub-gingival calculus.		Root planing performed in single appt. Multiple sites of calculus.	
Extractions/ Restorative:	Extractions & overhangs resolved before Re-Evaluation.		Extractions resolved, but not overhangs or caries.		Both extractions and overhangs left unresolved.	
Re-Evaluation:	Re-Evaluation at correct time interval.		Re-Evaluation done ≥ 8 weeks after last unit of root planing.		Re-Evaluation done < 3 weeks or > 3 months after last root planing.	
Surgical (or Additional Non-Surgical) Tx:	4 points	√	2 points	√	0 points	√
Areas requiring additional treatment:	Areas requiring treatmt properly identified		Missed 1 area requiring treatment.		Missed ≥2 areas requiring treatment	
Surgical (Treatment) Objectives	Objectives stated & appropriate		Objectives are inappropriate		No treatment objectives stated.	
Procedure	Procedure stated for all areas is appropriate and consistent with objective		Procedure stated for 1 area is not appropriate for surgical objective		Procedures not listed or inappropriate for ≥2 areas.	
Periodontal Maintenance Treatment	4 points	√	2 points	√	0 points	√
Rx treatment	Prescribed MTx treatment is appropriate		Mtx plan omitted one minor procedure		Mtx plan ignored completely.	
Competency Grade Calculation	4 points X [] =	+	2 points X [] =	+	0 point X [] =	[0] =