

# Periodontal Exam & Diagnosis Skills Assessment – Part A

PCC 104A/B

<b>Course #, Course Name</b> PCC 104A/B Management and Treatment of Periodontal Diseases I		<b>Examiner Name</b>	<b>Exam Date</b>						
<b>Student Name</b>	<b>Student ID</b>	<b>Examiner Signature</b>	<b>Start Time</b>						
<b>Patient EHR # (if applicable)</b>		<b>Final Score</b>							
		<table border="1"> <tr> <td><b>Total:</b></td> <td></td> </tr> <tr> <td>Passing Score:</td> <td>≥102</td> </tr> <tr> <td>Total Possible:</td> <td>145</td> </tr> </table>		<b>Total:</b>		Passing Score:	≥102	Total Possible:	145
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<b>Exam Name</b> Periodontal Exam & Diagnosis Part A SA		<b>End Time</b>							
		<b>This is an individual, high stakes exam.</b>							

Examiner name, exam date/start time, student name/ID, patient EHR# above must be completed before the exam can begin.

<b>CODA Competency</b> 2-10, Critical Thinking and Problem-Solving; 2-17, Treating Diverse Patients; 2-24a, Patient Assess, Tx Planning & Prognosis; 2-24d, Health Promotion & Disease Prevention; 2-24i, Perio Therapy	<b>SOD Competency</b> 1- Ethics and professionalism, 2- Applies course-based knowledge, 3- Critical thinking, 4- Assesses oral health and makes treatment plans emphasizing prevention, and makes appropriate referrals, 10- Communicates respectfully and effectively								
<b>Exam Instructions</b> <input type="checkbox"/> Must complete the Exam & Diagnosis worksheet before beginning CE <input type="checkbox"/> MUST inform examiner and get approval of patient before starting CE <input type="checkbox"/> MUST complete CE without assistance from students or faculty <input type="checkbox"/> MUST be completed in one (1) clinic session <input type="checkbox"/> Examiner does not need to be consistent for Parts A, B, and C; Patient does not need to be consistent for Parts A, B, and C <input type="checkbox"/> MUST meet ALL case selection criteria	<b>Learning Objectives</b> <input type="checkbox"/> Collect data required for periodontal diagnosis and treatment planning <input type="checkbox"/> Identify and explain periodontal diagnosis and prognosis based on the clinical findings <input type="checkbox"/> Communicate the periodontal treatment recommendations with risks, benefits, and alternatives of treatment options effectively to patients								
<b>Outcome if Fail</b> The exam is a 'No Pass' if the score is < 70%, or if there are any critical errors, or if the exam is not completed within the allotted time. The student is encouraged to seek guidance from the faculty examiner and/or course director for re-learning, and then must attempt the exam again, when deemed ready, on another patient as advised by the faculty examiner and their clinical coach.									
<b>Case Selection Criteria</b> <input type="checkbox"/> Minimum of six (6) natural teeth in one quadrant, with at least two (2) adjacent posterior teeth in contact, one of which be a molar <input type="checkbox"/> <b>Minimum of 1 quadrant that qualify for limited quadrant Sc/Rp (i.e. quadrant that qualify needs to have 2 teeth w/ 1 pocket of 5mm or greater) with at least two (2) adjacent posterior teeth in contact, one of which must be a molar</b> <input type="checkbox"/> Patient must not have had previous periodontal treatment at this institution and have no history of nonsurgical or surgical periodontal treatment within past 6 months <input type="checkbox"/> A full mouth assessment or examination must be completed. The following must be completed in AxiUm and the periodontal chart must be printed and attached to this CE form: <table border="0" style="width: 100%;"> <tr> <td>○ Probing Depths</td> <td>○ Diagnosis &amp; Prognosis- for each individual tooth</td> </tr> <tr> <td>○ Furcation</td> <td>○ Plaque</td> </tr> <tr> <td>○ Gingival Margin-Cemento-enamel Junction (GM-CEJ)</td> <td>○ Bleeding on Probing (BOP)</td> </tr> <tr> <td>○ Mobility</td> <td>○ Keratinized Tissue (KT)</td> </tr> </table>		○ Probing Depths	○ Diagnosis & Prognosis- for each individual tooth	○ Furcation	○ Plaque	○ Gingival Margin-Cemento-enamel Junction (GM-CEJ)	○ Bleeding on Probing (BOP)	○ Mobility	○ Keratinized Tissue (KT)
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Exam & Diagnosis Worksheet

<p><b>Factor 1: Medical &amp; Dental History Summary</b></p>	
<p><b>Factor 2: Radiographic Findings</b></p> <ul style="list-style-type: none"> <li>• Is the x-ray series adequate? Why or why not?</li> <li>• Identify items that require Phase 0 or Phase I attention (e.g. periapical lesions, gross caries, fractures, tumors, etc.)</li> </ul> <p><b>Periodontal Related Findings</b></p> <ul style="list-style-type: none"> <li>• Pattern of bone loss: horizontal or vertical</li> <li>• Teeth with bone loss on average:             <ul style="list-style-type: none"> <li>○ &lt;25%</li> <li>○ 25-50%</li> <li>○ &gt;50%</li> </ul> </li> <li>• Vertical defects (tooth # and surface)</li> <li>• Root morphology (average, long, or short roots)</li> <li>• Root resorption</li> <li>• Root proximity</li> <li>• Root trunk (short, average, or long)</li> <li>• Potential furcation indications subject to clinical confirmation (tooth # and surface)</li> </ul>	
<p><b>Factor 4: Etiology/Risk Factors</b></p> <ul style="list-style-type: none"> <li>• Assessment of etiology/primary etiology</li> <li>• Systemic/generalized risk factors</li> <li>• Local risk factors</li> </ul>	
<p><b>Factor 5: Diagnosis</b></p>	
<p><b>Factor 6: Treatment plan options</b></p>	
<p><b>Overall Assessment of Gingiva:</b></p> <ul style="list-style-type: none"> <li>• Color (pink, red, or cyanotic)</li> <li>• Pattern (localized or generalized)</li> <li>• Architecture (normal or not normal, and reason why)</li> <li>• Size (normal, swollen/rolled margins, enlarged)</li> <li>• Consistency (normal/firm, spongy/edematous)</li> <li>• Texture (stippled or not stippled)</li> <li>• Other</li> </ul>	

FACTOR 1: REVIEW OF MEDICAL AND DENTAL HISTORY				
20 – Optimal	15	10	5	0 – Critical errors
<ul style="list-style-type: none"> <li>Provides clear presentation of case:</li> <li>Patient’s Name, Age, Preferred gender</li> <li>Patient of Record or new Patient?</li> <li>Dental history</li> <li>Vitals, MedHx, SurgHx, Meds, Allergies reviewed</li> <li>DentalHx, SocialHx and health related behaviors reviewed</li> <li>Demonstrates complete knowledge and understanding of implications of medical conditions on safe delivery of dental care.</li> <li>Identifies need for medical consult, if appropriate</li> </ul>	<p>Slight deviation from optimal: demonstrates complete understanding of implications to dental care but presentation could be improved</p>	<p>Moderate deviation from optimal: recognizes significant findings, misses some information but minimal impact on patient care</p>	<p>Multiple/Major deviation(s) from optimal:</p> <ul style="list-style-type: none"> <li>Recognized medical conditions but fails to place in context of dental care</li> <li>Unaware of medications or required precautions for dental appointment</li> <li>Lack of information compromises patient care</li> </ul>	<ul style="list-style-type: none"> <li>Lacks current information</li> <li>Endangers patient</li> <li>Does NOT include vital signs</li> <li>Leaves questions regarding medical or dental history unanswered</li> <li>Does NOT identify need for medical consult</li> </ul> <p><b><u>Any critical error will result in automatic failure of the exam.</u></b></p>
Score Awarded:	Comments:			
FACTOR 2: RADIOGRAPHIC FINDINGS				
20 – Optimal	15	10	5	0 – Critical errors
<ul style="list-style-type: none"> <li>Identifies if the X ray series is adequate</li> <li>Identifies and interprets all radiographic findings including pattern of bone loss, calculus, bone defects, root length, root morphology, root trunk length, root proximity, potential furcation</li> <li>Identify items needed immediate attention (i.e. perioapical lesions, deep carious lesions, fractures, tumors, etc.)</li> </ul>	<p>Slight deviation from optimal: identifies and interprets significant radiographic findings</p>	<p>Moderate deviation from optimal: interprets radiographic findings with minor deviations that do NOT substantially alter treatment</p>	<p>Multiple/Major deviation(s) from optimal: misses significant radiographic findings</p>	<ul style="list-style-type: none"> <li>Grossly misinterprets radiographic findings</li> <li>Fails to identify non-diagnostic radiographs</li> <li>Presents with outdated radiographs</li> </ul>
Score Awarded:	Comments:			

# Periodontal Exam & Diagnosis Skills Assessment – Part A

PCC 104A/B

FACTOR 3: COMPREHENSIVE PERIODONTAL DATA COLLECTION (Applies to one quadrant selected by examiner)				
20 – Optimal	15	10	5	0 – Critical errors
Provides accurate assessment of all parameters such as PD, GM-CEJ, Mobility, Furcation, KT in the quadrant	Moderate deviation from optimal: <ul style="list-style-type: none"> <li>• Deviations of pocket depth up to 1 mm</li> <li>• Correctly identifies all furcations</li> <li>• Correctly identifies all tooth mobility</li> <li>• Correctly identifies gingival recession</li> <li>• Correctly identifies area with minimum or no attached gingiva/ keratinized gingiva</li> </ul>	Moderate deviation from optimal: <ul style="list-style-type: none"> <li>• Not more than one deviation of 2 mm or more in pocket depth</li> <li>• Correctly identifies Class II or III furcation involvements</li> <li>• Incorrectly identifies tooth mobility by one step in no more than one tooth</li> <li>• Over/under-estimates gingival recession by &lt; 1 mm on any surface</li> <li>• Recognizes concept of clinical attachment level and differentiate from probing pocket depth</li> </ul>	Multiple/Major deviation(s) from optimal: <ul style="list-style-type: none"> <li>• More than one deviation of 2 mm or more in pocket depth</li> <li>• Fails to correctly identify Class II or III furcation involvement</li> <li>• Fails to identify areas with minimum or no attached gingiva/ keratinized gingiva</li> <li>• Overestimates Class 0 and 1 furcations</li> <li>• Over/under-estimates tooth mobility by two steps on any tooth</li> <li>• Fails to correctly identify Grade 2 or 3 mobility</li> <li>• Over/under-estimates gingival recession by more than 2 mm on any surface</li> <li>• Performs incomplete periodontal examination</li> <li>• Fails to recognize concept of clinical attachment level and differentiate from probing pocket depth</li> </ul>	<ul style="list-style-type: none"> <li>• Performs periodontal examination which has no diagnostic value</li> <li>• Provides inaccurate assessment of key parameters</li> </ul>
Score Awarded:	Comments:			
FACTOR 4: EVALUATE PERIODONTAL ETIOLOGY/RISK FACTORS				
20 – Optimal	15	10	5	0 – Critical errors
Identifies all etiology including primary, systemic, local etiologic and risk factors	Slight deviation from optimal: Misses one risk factor	Moderate deviation from optimal: Misses two risk factors but treatment is NOT substantially impacted	Multiple/Major deviation(s) from optimal: Misses risk factors which compromise treatment planning and patient care	Fails to identify all risk factors
Score Awarded:	Comments:			

# Periodontal Exam & Diagnosis Skills Assessment – Part A

PCC 104A/B

FACTOR 5: COMPREHENSIVE PERIODONTAL DIAGNOSIS						
20 – Optimal		15	10	5	0 – Critical errors	
<ul style="list-style-type: none"> <li>Provides accurate and complete diagnosis consistent with current periodontal classification, based on comprehensive clinical examination and findings</li> <li>Demonstrates comprehensive understanding of periodontal diagnosis</li> </ul>		Slight deviation from optimal: Provides accurate and complete diagnosis based on clinical examination and findings pertinent to the case	Moderate deviation from optimal: <ul style="list-style-type: none"> <li>Differentiates between periodontal health, gingivitis and periodontitis</li> <li>Makes acceptable diagnosis with minimal deviations from ideal but treatment is NOT impacted</li> </ul>	Multiple/Major deviation(s) from optimal: <ul style="list-style-type: none"> <li>Fails to diagnose periodontitis</li> <li>Makes diagnosis with critical deviations from optimal</li> <li>Provides a diagnosis which lacks rationale</li> </ul>	<ul style="list-style-type: none"> <li>Fails to make a diagnosis.</li> <li>Provides diagnosis which is grossly incorrect</li> </ul>	
Score Awarded:		Comments:				
FACTOR 6: TREATMENT PLAN						
20 – Optimal		15	10	5	0 – Critical errors	
Provides comprehensive and clinically appropriate treatment plan including: <ul style="list-style-type: none"> <li>Clear description of etiology,</li> <li>Risks, benefits, and alternatives of proposed treatment</li> </ul>		Slight deviation from optimal: <ul style="list-style-type: none"> <li>Provides clinically appropriate treatment plan, however treatment sequencing is not appropriate</li> <li>Provides adequate descriptions of risks and benefits, but does not include an alternative where an alternative treatment plan could be considered</li> </ul>	Moderate deviation from optimal: <ul style="list-style-type: none"> <li>Provides clinically appropriate treatment plan but fails to address some factors that are unlikely to affect outcome.</li> <li>Does NOT provide clear description of risks and benefits of treatment and alternatives</li> </ul>	Multiple/Major deviation(s) from optimal: <ul style="list-style-type: none"> <li>Provides treatment plan which fails to address relevant factors which are likely to affect outcome.</li> <li>Provides incomplete periodontal treatment plan that is below the standard of care and adversely affects outcome.</li> </ul>	Provides clinically inappropriate treatment plan which could harm the patient.	
Score Awarded:		Comments:				
Factor 1	Factor 2	Factor 3	Factor 4	Factor 5	Factor 6	TOTAL SCORE
___/20	___/20	___/20	___/20	___/20	___/20	___/120

FACTOR A: CRITICAL THINKING							
5	4	3	2	1	0	Score	Comments
Identifies clinical problem; critically interprets available evidence and understands nuance; coherently analyzes and defends clinical choices; synthesizes clinical findings with evidence to provide a persuasive argument for the best option(s); has insight into his/her own reasoning and decision-making.	Identifies clinical problem; gathers and critiques valid evidence; makes inferences about how evidence will relate to patient outcomes; describes the implications of various choices based on evidence; identifies best options based on the above.	Identifies clinical problem; gathers and discusses valid evidence and rejects inferior evidence; describes his/her reasoning process superficially; elaborates some options based on findings the above.	Identifies clinical problem; gathers basic clinical information and scientific evidence to aid in decision-making.	Identifies problem or question of interest, but is unable to reason further.	Learner cannot identify the problem of interest, is unable to gather information that would aid in decision-making, and bases decisions on opinions OR anecdotes rather than evidence.		
FACTOR B: COMMUNICATION & DIVERSE PATIENT POOL							
5	3	0	Score				Comments
Does not turn back to patient. At or below eye level when speaking with patient. Communicates respectfully with patient taking into account health literacy. Recognizes need for and uses interpreter as appropriate. Discusses and incorporates patient's health-related beliefs- as related to culture, religion, etc.- into treatment plan or treatment.	Mostly does not turn back to patient. Mostly is at or below eye level when speaking with patient. Communicates respectfully with patient, taking into account health literacy. Does not recognize need for interpreter OR does not discuss or incorporate patient's health-related beliefs.	ANY of the following will result in a critical error: Overtly disrespectful OR recognizes need for interpreter and does not arrange for interpreter services OR disrespectfully discredits patient's beliefs.					
FACTOR C: INFECTION CONTROL							
5	3	0	Score				Comments
Provider PPE appropriately worn throughout procedure and during cubicle breakdown including mask, gloves, protective eyewear, tied gown, closed shoes. Hair out of working space. Nametag on. Hand hygiene performed. Clean and contaminated areas maintained. No cross- contamination. Sharps are capped when on table.	Provider PPE worn mostly appropriately, but gown untied OR eyewear worn after clean gloves OR eyewear is not fully enclosed OR hair in face but has not touched treatment area	ANY of the following will result in a critical error: Gross cross- contamination including clean items placed in area of trash receptacle. PPE for patient or provider not worn during cubicle breakdown or while instruments are being used. Hair touches treatment area. Nametag not worn. Sharps uncapped on table.					

FACTOR D: PRIDE VALUES AND PROFESSIONALISM					
5	3	1	0	Score	Comments
Treats patient, peers, staff, and faculty with respect & contributes to a positive work environment. Puts patients' needs before own. Punctual and prepared. Displays honesty, integrity, and accountability.	Treats patient, peers, staff, and faculty with respect though may not contribute to a positive environment. Puts patients' needs first. Punctual and mostly prepared. Displays honesty, integrity, and accountability.	Prioritizes own needs ahead of patient care (patient safety is not compromised) or best practices, late or unprepared for patient care, disregards clinic safety measures.	ANY of the following will result in a critical error: Academic dishonesty, unethical behavior OR Treats patient, peers, staff, or faculty with gross disrespect OR Breaches clinic safety measures (start checks, unsupervised practice, unauthorized change of treatment plan, etc).		
FACTOR E: SELF-ASSESSMENT					
5	3	0	Score	Comments	
Accurately assesses MOST strengths and areas for improvement in clinical performance, including patient management, infection control, and professionalism.	Accurately assesses SOME strengths and areas for improvement in clinical performance, including patient management, infection control, and professionalism.	Grossly inaccurate in ability to assess strengths and areas for improvement in clinical performance, including patient management, infection control, and professionalism.			
<b>FACTORS A-E TOTAL SCORE</b>				___/25	

**SUMMARY OF SCORES/SUM OF SCORES:**

Factors 1-7	Factors A-E	TOTAL SCORE
___/120	___/25	___/145
Pass ≥102		

Any critical errors? Yes / No
Exam completed on time? Yes / No
<i>Any critical error or exam not completed on time will result in automatic failure of the exam.</i>

Outcome (circle one)	
PASS	FAIL