

Removable Prosthodontics Removable Partial Denture (RPD) Competency Exam

PCC 108 A/B/CD

Course #, Course Name PCC 108 A/B/CD Clinical Removable Prosthodontics I/II		Examiner Name		Session date, start time, end time, and session completed on time must be completed for EACH session of the exam.
Student Name	Student ID	Examiner Signature		
Patient EHR # (if applicable)		Final Score		
		Total:		This is an individual, high stakes exam.
Exam Name Removable Prosthodontics Removable Partial Denture (RPD) CE		Passing Score:	≥172	
		Total Possible:	245	

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

CODA Competency 2-10, Critical Thinking and Problem-Solving; 2-17, Treating Diverse Patients; 2-24g, Managing Dental Lab Procedures; 2-24g, Managing Dental Lab Procedures; 2-24h, Replacement of Teeth	SOD Competency 1-Ethical & professional behavior; 2- Applies course-based knowledge. 3- Critical thinking and problem-solving; 4- Assessment, diagnosis, treatment planning; 5- Delivers safe and effective care to a diverse patient pool; 10- Communicates respectfully and effectively with patients, staff, faculty & peers; 11- Safe and effective procedural skills
Exam Instructions <input type="checkbox"/> Must have completed 2 arches of complete dentures or removable partial dentures prior to attempting this exam. The following AxiUm codes count as prerequisite arches D5110, D5210, D5130, D5140, D5213, D5214, D5215, D5216 <input type="checkbox"/> Preparation and impression of RPD must be included in one clinic session <input type="checkbox"/> Each clinical step should be completed in the allotted 3.5 hrs. session <input type="checkbox"/> Same examiner for all sessions, unless extreme situation arises, where one switch is permitted <input type="checkbox"/> Treatment must be performed in the sequence described in the treatment plan, or proper justification must be provided for going out of sequence <input type="checkbox"/> Only tissue-borne partials may be used for CE cases	Learning Objectives <input type="checkbox"/> Demonstrate the ability to develop treatment plans for complete and partial removable prostheses within the scope of a general dentist, and identify when to refer a patient for more advanced care <input type="checkbox"/> Perform the clinical steps for fabrication of complete and partial removable prostheses <input type="checkbox"/> Communicate effectively with dental laboratories regarding the different stages of complete and partial removable prosthesis construction <input type="checkbox"/> Mount casts to accurately reflect the patient's maxillo-mandibular jaw relationship <input type="checkbox"/> Evaluate laboratory work products to determine if they are clinically acceptable
Outcome if Fail 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.	
Case Selection Criteria N/A	

EXAM SESSION 1: FACTORS 1, 2, 3		Date: _____ Start Time: _____ End Time: _____ Session completed on time? Yes / No		
FACTOR 1: PATIENT EVALUATION AND DIAGNOSIS				
20 – Optimal	15	10	5	0 – Critical errors
Evaluation and diagnosis is comprehensive and discriminating; recognizes significant diagnostic implications of all findings	Recognizes significant diagnostic implications but misses some findings that do NOT affect diagnosis	Recognized significant findings <u>but</u> there are errors in findings or judgment that do NOT compromise diagnosis	Does NOT recognize significant findings or diagnostic implications; diagnosis is jeopardized	Gross errors in evaluation or judgment; gross errors in diagnosis <u>Any critical error will result in automatic failure of the exam.</u>
Score Awarded:	Comments:			
FACTOR 2: TREATMENT AND SEQUENCING				
20 – Optimal	15	10	5	0 – Critical errors
Presents/formulates all treatment options and understands clinical nuances of each option; presents comprehensive treatment plan based on clinical evidence, patient history, and direct examination; performs risk-based analysis to present appropriate treatment options and prognosis; demonstrates critical thinking as evidenced in steps in treatment plan; no errors in planning and sequencing	Presents/formulates treatment options and understands rationale of each option; treatment plan is appropriate some contributing factors NOT considered; <u>minor</u> errors that do NOT affect planning and sequencing	Presents/formulates appropriate treatment options with less than ideal understanding of chief complaint, diagnosis, and prognosis; <u>moderate</u> errors that do NOT compromise planning and sequencing	Does NOT address patient’s chief complaint; treatment plan NOT based on diagnosis; <u>major</u> errors in evidence based, critical thinking, risk-based, and prognostic assessment; Treatment sequence inappropriate	Treatment plan NOT based on diagnostic findings or prognostic information Treatment plan grossly inadequate. Treatment sequence grossly inappropriate
Score Awarded:	Comments:			
FACTOR 3: PRELIMINARY IMPRESSIONS				
20 – Optimal	15	10	5	0 – Critical errors
Perform and recognize adequate capture of anatomy; Free of distortions and voids	Performs impression with <u>minor</u> errors that do NOT affect final outcome	Performs impression with <u>moderate</u> errors that do NOT compromise final outcome	Performs impression with <u>major</u> errors; <u>or</u> fails to recognize that final outcome is compromised	Inadequate capture of anatomy or gross distortion/voids. Fails to recognize that subsequent steps are impossible
Score Awarded:	Comments:			

STUDENT INDEPENDENTLY POURS UP IMPRESSION AND CREATES AN RPD DESIGN PRIOR TO EXAM SESSION 2

Exam Session 2: FACTORS 4, 5, 6		Date: _____ Start Time: _____ End Time: _____ Session completed on time? Yes / No		
FACTOR 4: RPD DESIGN				
20 – Optimal	15	10	5	0 – Critical errors
Design demonstrates understanding of biomechanical and esthetic principles; casts are surveyed accurately; design is drawn with detail	Recognizes significant diagnostic implications but misses some findings that do NOT affect diagnosis	Recognized significant findings <u>but</u> there are errors in findings or judgment that do NOT compromise diagnosis	Does NOT recognize significant findings or diagnostic implications; diagnosis is jeopardized.	Gross errors in evaluation or judgment; gross errors in diagnosis
Score Awarded:	Comments:			
FACTOR 5: TOOTH MODIFICATION				
20 – Optimal	15	10	5	0 – Critical errors
Parallel guiding plans; Optimal size and location of rest preparations; conservative recontouring of abutment teeth for optimal location of clasp and to optimize occlusal plan; survey crowns as needed.	<u>Minor</u> deficiencies in tooth modification; RPD fit and service unaffected	<u>Moderate</u> deficiencies in tooth modifications; but NO compromise in RPD fit and service	<u>Minor</u> errors in tooth modifications leading to compromised RPD fit and service; tooth modifications may require restorations	Treatment plan NOT based on diagnostic findings or prognostic information; treatment plan grossly inadequate; treatment sequence grossly inappropriate
Score Awarded:	Comments:			
FACTOR 6: BORDER MOLDING				
20 – Optimal	15	10	5	0 – Critical errors
Obtain optimal vestibular extension and peripheral seal; perform and recognize adequate capture of anatomy; impression free of distortions/voids	Border molding and/or impression have <u>minor</u> errors that do NOT affect final outcome	Border molding and/or impression have <u>moderate</u> deviations that do NOT compromise final outcome	Border molding and/or impression have <u>major</u> errors that affect final outcome	Border molding and/or impression do NOT adequately capture of anatomy; gross distortions/voids so that final outcome is impossible
Score Awarded:	Comments:			

Exam Session 3: FACTOR 7		Date: _____ Start Time: _____ End Time: _____ Session completed on time? Yes / No		
FACTOR 7: FRAMEWORK TRY-IN				
20 – Optimal	15	10	5	0 – Critical errors
Perform and recognize functional and occlusal adjustments; complete seating of framework is achieved; determine sequence for establishing denture-base support	<u>Minor</u> deficiencies in ability to recognize and correct minor discrepancies in framework fit; but do NOT affect RPD service	Moderate deficiencies in ability to recognize or correct discrepancies in framework fit; but no significant compromise to RPD service	<u>Major</u> errors in framework fit NOT recognized; errors in judgment regarding sequence of correction	Gross errors in framework fit NOT recognized; unable to determine sequence of correction
Score Awarded:	Comments:			
EXAM SESSION 4: FACTOR 8		Date: _____ Start Time: _____ End Time: _____ Session completed on time? Yes / No		
FACTOR 8: JAW RELATION RECORDS				
20 – Optimal	15	10	5	0 – Critical errors
Smooth record bases with appropriate peripheral extensions/thickness; smoothly contoured wax rim establishes esthetic parameters; vertical dimension is psychologically appropriate; accurately captures centric relation; relates opposing casts without interference	<u>Minor</u> deficiencies in jaw relation records that do NOT adversely affect prosthetic service	<u>Moderate</u> discrepancies in jaw relation records that do NOT compromise prosthetic service; records do NOT require repeating	<u>Minor</u> errors in jaw relation records that adversely affect prosthetic service; records should be redone	Gross errors in jaw relation records with poor; records should be redone
Score Awarded:	Comments:			

EXAM SESSION 5: FACTORS 9, 10		Date: _____ Start Time: _____ End Time: _____ Session completed on time? Yes / No			
FACTOR 9: TRIAL DENTURES					
20 – Optimal	15	10	5	0 – Critical errors	
Recognized optimal <u>esthetics</u> (midline, incisal length, tooth mold and shade, arrangement); <u>occlusal</u> (MIP=CR, VDO<VDR, bilateral posterior contact); <u>speech and contour</u> aspects of trial denture; deviations from the optimal are corrected or managed appropriately	<u>Minor</u> deficiencies in ability to recognize and correct discrepancies in esthetics; vertical dimension; occlusion; phonetics; and contour	<u>Moderate</u> deficiencies in ability to recognize or correct discrepancies in esthetics; vertical dimension; occlusion; and phonetics which do not compromise final outcome	<u>Major</u> errors in ability to recognize or correct discrepancies in esthetics; vertical dimension; occlusion and phonetics which adversely affect final outcome	Demonstrates inability to recognize or correct gross errors which will result in failure of final outcome	
Score Awarded:	Comments:				
FACTOR 10: MANAGING DENTAL LAB PROCEDURES					
20 – Optimal	15	10	5	0 – Critical errors	
<ul style="list-style-type: none"> Evaluates Contacts, Internal Surface, Margins, Occlusion, and Esthetics on die and cast Verifies that restoration meets all accepted criteria Verifies errors in restorations and proposes changes, if needed 	Lack of recognition of slight deviations from accepted criteria and minimal impact on treatment	Lack of recognition of moderate deviations from accepted criteria and minimal impact on treatment. <ul style="list-style-type: none"> Minor scratches, polishable 	Lack of recognition of major deviations from accepted criteria and minimal impact on treatment. <ul style="list-style-type: none"> Internal small, bleb/positive bubble, lack of recognition. 	Require restoration to be redone. Lack of recognition of: <ul style="list-style-type: none"> Voids (negative bubble) in metal Cracks/craze lines in porcelain Grossly loose, rocks, rotations, No occlusion No interproximal contacts 	
Score Awarded:	Comments:				

EXAM SESSION 6: FACTOR 11		Date: _____ Start Time: _____ End Time: _____ Session completed on time? Yes / No									
FACTOR 11: INSERTION OF REMOVABLE PROSTHESIS											
20 – Optimal	15	10	5	0 – Critical errors							
Optimize definitive prosthesis, recognizing errors and correcting if necessary, including the following: <ul style="list-style-type: none"> • Tissue fit • Prosthetic support, stability, and retention • CD extension and bulk • Occlusion; clinical remount required • Phonetics • Contours and polish • Patient home care instructions 	<u>Minor</u> discrepancies in judgment and/or performance of optimizing prosthesis fit and function; no adverse effect on prosthesis service	<u>Moderate</u> discrepancies in judgment and performance of optimizing prosthesis fit/function; no compromise on prosthesis service	<u>Major</u> errors in judgement and performance of optimizing prosthesis fit/function; prosthesis service adversely affected; may require significant correction or prosthesis	Gross errors in judgement and performance results in failure of prosthesis with no possibility to correct; prosthesis must be redone							
Score Awarded:		Comments:									
Factor 1	Factor 2	Factor 3	Factor 4	Factor 5	Factor 6	Factor 7	Factor 8	Factor 9	Factor 10	Factor 11	TOTAL SCORE
___/20	___/20	___/20	___/20	___/20	___/20	___/20	___/20	___/20	___/20	___/20	___/220

FACTOR A: CRITICAL THINKING							Score	Comments
5	4	3	2	1	0			
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							Score	Comments
5	3	0						
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							Score	Comments
5	3	0						
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.			
FACTORS A-E TOTAL SCORE				___/25	

SUMMARY OF SCORES/SUM OF SCORES:

Factors 1-11	Factors A-E	TOTAL SCORE
___/220	___/25	___/245
Pass ≥172		

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