

DEN8738L: Clinical Endodontics 4

Fall 2020

Course Description:

The endodontic clinical curriculum is designed to create a clinician skilled with the scientific knowledge and current, state-of-the-art, techniques to adequately perform endodontic therapy in the twenty-first century.

I. General Information

Course Director:

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Course Credits: 1

Semester: Fall

Contributing Faculty

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II. Course Goals

This course provides the students the opportunity to apply their endodontic foundation knowledge in the evaluation of the pulp and periradicular tissues, to formulate a treatment plan based on the pulpal and periapical diagnosis, and to perform endodontic therapy whenever indicated in the endodontic clinic.

III. Course Overview

					CURRENT SEMESTER	
DN Status	2	3	3	4	4	4
Semester	6 (Summer)	7 (Fall)	8 (Spring)	9 (Summer)	10 (Fall)	11 (Spring)
Course #		DEN 7735L	DEN 7736L	DEN 8737L	DEN 8738L	DEN 8739L
Credit hours		1	1	1	1	2
Competency					Anterior/Premolar Diagnosis and RCT Competency (Patient-based)	
Course expectations	Predoc or Grad Assist	1. Anterior/Premolar RCT (at least 1 case) 2. Complete a minimum of 4 Diag/Tx Plans 3. 180 RVUs (cumulative 180)	1. Anterior/Premolar/ Molar RCT (at least 1 case) 2. Complete a minimum of 4 Diag/Tx Plans 3. 180 RVUs (cumulative 360)	1. Anterior/Premolar/ Molar RCT (at least 2 case points) 2. 180 RVUs (cumulative 540)	1. Anterior/Premolar/ Molar RCT (at least 1 case point) (Total of 5 points must be accumulated by the end of this semester. One of the cases must be a multi-canal posterior tooth) 2. 180 RVUs (cumulative 720) Recall Evaluations	1. Total of 5 case points must be accumulated before competency 2. Minimum of 2 Recall Evaluations 3. 180 RVUs (cumulative 900)
Required Activity						

					(suggested)	
Supplemental Activity (RVUs)		Endo Assist (Predoc/Grad) Caries Control Emergency Therapy/Incomplete RCT Non-Vital Bleaching	Endo Assist (Predoc/Grad) Caries Control Emergency Therapy/Incomplete RCT Non-Vital Bleaching	Endo Assist (Predoc/Grad) Caries Control Emergency Therapy/Incomplete RCT Non-Vital Bleaching	Endo Assist (Predoc/Grad) Caries Control Emergency Therapy/Incomplete RCT Non-Vital Bleaching	Endo Assist (Predoc/Grad) Caries Control Emergency Therapy/Incomplete RCT Non-Vital Bleaching
Minimum RCT per semester		1	1	2	1	1

IV. Course Outline

You are expected to perform endodontic therapy in patients scheduled in the endodontic clinic and be able to gather clinical data (medical and dental histories), perform clinical and radiographic exams, reach pulpal and periapical diagnosis, and elaborate treatment plans for each patient. The SOAP format is encouraged. You will also be expected to exercise high levels of professionalism as well as to manage the organization of their operatories whenever working in the endodontic clinic.

Before providing endodontic treatment, you are expected to present/discuss the following with the attending faculty:

1. Review of the patient's medical history (including records of patient's blood pressure and heart rate)
2. Review of the dental history and chief complaint
3. Clinical examination, tests, and radiographic findings
4. Diagnosis and treatment planning
5. Patient's informed consent for treatment

V. Course Material

- Student must be thoroughly familiar with the instructional material presented in the courses DEN 6430, DEN 6432C and DEN7433, including Preclinical Manual.

- **Required textbook:**
- Endodontics: Principles and Practice by Torabinejad, Walton and Fouad, (5th edition. W.B. Saunders Co. 2015 ISBN:978-1-4557-5410-6).
- **Required equipment:**
- Magnification Loupes
- **Optional resource:**
- HSC Dental Library Guide

VI. Course Objectives

The objective of this clinical course is to provide the students with learning experiences associated with endodontic therapy, which includes:

1. Practice patient management skills in the clinical environment
2. Obtain patient's medical and dental histories
3. Perform endodontic diagnostic tests
4. Interpret clinical and radiographic exams
5. Reach pulpal and periapical diagnosis
6. Elaborate and discuss treatment plans, discussing all aspects of dental care which affect the maintenance of a tooth after endodontic therapy.
7. Recognize the indications and contraindications for root canal therapy.
8. Discuss case selection and case difficulty (treat or refer).
9. Perform endodontic therapy in uncomplicated cases
10. Perform outcome assessments on endodontically treated teeth
11. List and discuss potential advantage and disadvantage of different treatment modalities for non-healing endodontically treated teeth.

VII. Course Competencies

This course contributes to teaching to the following competencies.

Domain I: Professionalism – Apply standards of care in an ethical and medicolegal context to assure high quality patient care, appropriate informed consent, risk management, quality assurance and record keeping and delivered within the scope of the dentist's competence in a patient-centered environment that interfaces with diverse patient populations.

1. Ethical Standards: Apply ethical standards as a professional.
2. Legal Standards: Apply legal standards (state and federal regulations) to professional practice.

Domain II: Health Promotion and Maintenance - Educate patients and the community, based upon scientific inquiry, critical thinking and outcomes assessments, about the etiology of oral disease. Promote preventive interventions and effectively work with patients and other health care professionals to achieve and maintain a state of optimal oral health through evidence-based care.

3. Communication and Interpersonal Skills: Demonstrate culturally sensitive patient-centered communication using the scientific and lay literature and behavioral principles and strategies.
4. Critical Thinking: Apply self-assessment, evidence-based decision making, problem solving skills and biomedical science knowledge in clinical patient care.
5. Assessment of Treatment Outcomes: Analyze the outcomes of patient care, previous treatment appropriate recall and best evidence to improve and maintain oral health.
6. Patient Management: Apply behavioral and communicative management skills during clinical patient care.
7. Community Involvement: Communicate and collaborate with individuals from other professions in the protection, promotion and restoration of oral health of the community.

Domain III: Health Assessment – Recognize systemic diseases, substance and patient abuse and evaluate the patient's medical and oral condition, plan treatment needs and refer, when appropriate.

8. Examination of the Patient: Perform an evidence-based comprehensive patient evaluation to include patient history including medications, chief complaint(s), medical, oral and extraoral conditions, biological, behavioral, cultural, socioeconomic information and consultation(s) to assess the patient's prognosis and treatment risks.
9. Diagnosis: Interpret and correlate findings from the patient history, interview, clinical and radiographic examinations, and other diagnostic tests to accurately assess patients with special needs and for all other patients across the lifespan determine a differential, provisional, or definitive diagnosis.
10. Treatment Planning: Develop properly sequenced treatment and/or referral plan options, as appropriate, to achieve patient satisfaction that includes obtaining informed consent; and modify the accepted plan, when appropriate.
11. Emergency Treatment: Prevent, recognize and manage dental and medical emergencies in the office.

Domain IV: Health Rehabilitation – Using universal infection control guidelines and managing the patient's anxiety and pain, perform procedures and restore the patient to oral health or refer appropriately.

12. Manage conditions requiring surgical procedures of the hard and soft tissues.

13: Prevent, diagnose, and manage pulpal and periradicular diseases.

VIII. Evaluation

Course Expectations:

1. Perform anterior/premolar/first molar root canal therapy

All Endo cases require Endo faculty approval (difficulty assessment form) prior to the patient appointment

Only Completed and paid root canal therapies will receive credit.

Incomplete cases:

If you complete cleaning and shaping and for some reason you are not able to finish the RCT (ex: patient cancellations) 60 RVUs will be credited.

If you are only able to perform access/emergency procedure and do not complete RCT, you will receive 60 RVU's (see below RVU's/Emergency Therapy).

All endodontic teeth, simple endodontic retreatments, and first molar endodontics, must be approved by an Endodontic faculty member (difficult assessment form) prior to the patient being appointed.

Extramural Rotation: Up to two (2) completed root canal therapy cases may be used toward the required activity (5(five) RCTs upon graduation). Present case (notes/forms/radiographs) to endodontic faculty for assessment. A hard copy of the **endodontic case form** should be provided to the department secretary (D10-37) for documentation.

Credit will only be given if treatment appears to be acceptable.

Evaluations are completed based on Daily Endodontic Assessment (axiUm)

You should have a total of four (4) cases at the end of this semester

RCT evaluations based on Daily endodontic assessment (AxiUm)

Daily Endodontic Assessment (AxiUm) 60% of Semester Grade

2. 180 RVUs (720 total)

RVUs will be assigned to the activities below. Procedures must be performed in the Endodontic clinic.

Endodontic Assist (PreDoc or Grad): 60 RVUs

Caries Control: 60 RVUs

Incomplete Endodontic Therapy: 60 RVUs

Emergency Therapy: 60 RVUs

Non-Vital Bleaching: 60 RVUs

RVUs = 40% of Semester Grade

At least 180 RVUs are expected for each semester. Additional RVUs will be carried over to the next semester. Early completion of RVUs are encouraged.

Fall requirement: total of 720 RVUs

Spring requirement: total of 900 RVUs

Same number of RVUs will be granted regardless of which clinic you are assisting (60 RVUs maximum per period/half day). Even though Endo residents see 2 patients, assists should be recorded in axiUm for only one patient.

Assists will only be approved if student stays in the clinic the entire morning or afternoon (or as long as the appointments last). Preference is given to predoc assists.

STUDENTS ARE ENCOURAGED TO WORK AHEAD UP TO ONE SEMESTER ONLY

Recall evaluations are suggested.

Evaluations are completed based on Daily Endodontic Assessment (axiUm) and 30RVUs are credited

Assigning Grades

Students will receive a pass/fail or numerical grade for each expected activity, competency, and/or supplemental activity. The grading scale is from 0 (E) -4.0 (A) with a 2.0 (C) being the minimal passing score for each step. The Daily Evaluation Rubric is posted in the documents section.

720-691 RVUs 4.0

690-661 RVUs 3.5

660-631 RVUs 3.0

630-601 RVUs 2.5

600-571 RVUs 2.0

570-541 RVUs 1.5

<540 RVUs 1.0

Remediation on a Procedure/Task:

If a student receives a failing grade (E) on a procedure or makes a critical error, the student will be assigned individualized remediation by the attending faculty. The critical errors in each graded steps are described in the student clinic manual. If the student makes one critical error, it will result in a failing grade of the entire procedure. The student will need to remediate within the course which could include, but may not be limited to writing a evidence supported paper, performing tasks on extracted tooth in the clinic (using mannequin and typodont), repeating the procedure on another patient etc. A maximum grade of 2.0 will be assigned for the remediated procedure. Failure to remediate at the first attempt will result in an 'E' grade being assigned and the student's name will be sent to SPEC. Further remediation may range from working on another patient to being retracked. The highest grade a student can earn on a remediation after first attempt is a 2.0 (C) and after the second attempt is a 1.0 (D) (UFCD Policy)

"Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://ufl.bluera.com/ufl/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>."

IX. Administrative Practices

Administrative practices for all UFCD courses are universally applied. Exceptions to or deviations from these practices are stated in the individual syllabi by the course director. When not individually stated in the syllabus, course administrative practices default to those identified under "Course Policies" on the DMD Student Website:

<https://dental.ufl.edu/education/dmd-program/course-polices/>

X. Grade Scale

DEN8738L Grade Scale

Method	Letter Grade
Scale	4
Tolerance	0 (Final letter grades within this range will be rounded up.)
A	3.75-4 (93.75 - 100)
A-	3.5-3.75 (87.5 - 93.75)
B+	3.25-3.5 (81.25 - 87.5)
B	3-3.25 (75 - 81.25)
B-	2.75-3 (68.75 - 75)
C+	2.5-2.75 (62.5 - 68.75)
C	2-2.5 (50 - 62.5)
E	0-2 (0 - 50)