

DEN7736L Clinical Endodontics 2

Spring 2021

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:

Course Director: Eleonora Bakiri
Office: D10-40
Email: EBakiri@dental.ufl.edu
Phone: (352) 273-5440
Course Credits: 1
Semester: Spring

Contributing Faculty

James Haddix	(352) 273-8482	JHADDIX@dental.ufl.edu
Clinio Cerrud	(352) 273-5438	CCerrud@dental.ufl.edu
Melissa Marchesan	(954) 599-4314	MMarchesan@dental.ufl.edu
Roberta Pileggi	(352) 273-5437	RPILEGGI@dental.ufl.edu

Support Staff

Katherine J Bratton Administrator	(352) 273-7846	KBratton@dental.ufl.edu	TA / Grade
Connie Darlene Plasters Administrator	(352) 273-5440	CPlasters@dental.ufl.edu	TA / Grade

Valerie Trimble
 Shalini Nair
 Kleada Novak

(352) 273-5950
 (352) 273-5699
 (352) 392-5500

VTrimble@dental.ufl.edu
 shalsnair@ufl.edu
 kleadanovak@ufl.edu

TA / Grade
 TA
 TA

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	3DN	3DN	3DN	4DN	4DN	4DN
Semester	6 (Summer)	7 (Fall)	8 (Spring)	9 (Summer)	10 (Fall)	11 (Spring)
Course #		DEN7735L	DEN7736L	DEN8737L	DEN8738L	DEN8739L
Credits		1	1	1	1	1
Competency						Anterior/Premolar Diagnosis and RCT Competency (Patient-based)
Course Expectations Required Activity	Predoc or Grad Assist	1. Anterior/Premolar or RCT 2. 180 RVUs (cumulative 180) 3. Minimum of 4 Diag/ Tx Plans	1. Ant/ Premolar RCT 2. 180 RVUs (cumulative 360) 3. Min of 4 Diag/ Tx Plans	1. Ant/ Premolar/ Molar RCT 2. 180 RVUs (cumulative 540) Recall Evaluations (suggested)	1. Ant/ Premolar/ Molar RCT (4 cases prior to competency) 2. 180 RVUs (cumulative 720) Recall Evals (suggested)	1. Total of 5 case must be accumulated for graduation, including competency 2. 180 RVUs (cumulative 900) 3. Minimum of 2 Recall Evaluations
Supplemental Activity (RVUs)		Endo Assist(Predoc/Grad) Caries Control Emergency Therapy Non-Vital Bleaching	Endo Assist (Predoc/Grad) Caries Control Emergency Therapy Non-Vital Bleaching	Endo Assist (Predoc/Grad) Caries Control Emergency Therapy Non-Vital Bleaching	Endo Assist (Predoc/Grad) Caries Control Emergency Therapy Non-Vital Bleaching	Endo Assist (Predoc/Grad) Caries Control Emergency Therapy Non-Vital Bleaching

Minimum RCT per semester		1 (Expected, however cases are cumulative)	1 (Expected)	1 (Expected)	1 (Expected)	1 (Expected)
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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

- Students must be thoroughly familiar with the instructional material presented in the courses DEN 6430, DEN 6432C and DEN7433 as well as the required textbook:
TEXT-01:Mahmoud Torabinejad, Richard E. Walton, Ashraf F.Fouad. *Endodontics: Principles and Practice*, 5th ed. Elsevier ISBN 978-1-4557-5410-6
- Magnification Loupes

Dental Lib Guide: <http://guides.uflib.ufl.edu/dental>

VI. Course Objectives

Learning Experiences

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. Anteriors/ Premolars only.
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 teaches the following competencies in the ["Competencies for the New Dental Graduate"](#).

- 1: Evidence-Based Patient Care: Access, critically appraise, apply and communicate scientific and lay literature as it relates to providing evidence-based patient care.
- 2: Apply biomedical science knowledge in the delivery of patient care.
- 3: Appropriate Referral Provide oral health care within the scope of general dentistry to include recognizing the complexity of patient treatment and identifying when referral is indicated.
- 4: Communication Skills: Apply the fundamental principles of behavioral sciences using patient-centered approaches for promoting, improving and maintaining oral health.
- 5: Patient Assessment, Diagnosis, Treatment Planning and Informed Consent: Provide oral health care within the scope of general dentistry to include patient assessment, diagnosis, comprehensive treatment planning, prognosis, and informed consent.
- 6: Assessment of Treatment Outcomes: Provide oral health care within the scope of general dentistry to evaluate the outcomes of treatment, recall strategies and prognosis.
- 7: Patient Management: Provide oral health care within the scope of general dentistry to patients in all stages of life.
- 8: Emergency Treatment: Provide oral health care within the scope of general dentistry to include dental emergencies.
- 9: Provide oral health care within the scope of general dentistry to include local anesthesia and pain and anxiety control.
- 10: Provide oral health care within the scope of general dentistry to include hard and soft tissue surgery.
- 11: Provide oral health care within the scope of general dentistry to include pulpal therapies.

VIII. Evaluation

COURSE EXPECTATIONS:

1. Complete endodontic treatment planning and diagnosis on at least 4 comprehensive care patients.

Treatment planning form on axiUm needs to be **approved by Endodontic Faculty** to receive credit (not a resident or Team leader).

Difficulty assessment and restorative consult must be completed on all teeth that are treatment planned for endodontic therapy prior to the patient appointment in the endodontic clinic.

Treatment plans: 30% of Semester Grade

Evaluations are completed based on Daily Endodontic Assessment (axiUm)

(code D3004)

2. Perform at least one anterior/premolar / first molar root canal therapy

You are expected to have a total of one case at the end of this semester.

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

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

All endodontic teeth with crowns, endodontic retreatments, and molar endodontics, must be approved by an Endodontic faculty member 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), (one per semester). Present case (notes/forms/radiographs) to endodontic faculty for assessment. A hard copy 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)

3. 180 RVUs per semester (Cumulative 360 for Spring semester)

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

Endodontic Assist (PreDoc or Grad): 60 RVUs

Caries Control: 60 RVUs

Incomplete endo therapy: 60 RVUs

Pulpal Debridement: 60 RVUs

Emergency Therapy: 60 RVUs

Non-Vital Bleaching: 60 RVUs

RVUs: 20% 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: a total of 180 RVUs

Spring requirement: a total of 360 RVUs

Summer requirement: a total of 540 RVUs

Fall requirement: a total of 720 RVUs

Spring requirement: a total of 900 RVUs

The 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 a student stays in the clinic the entire morning or afternoon (or as long as the appointments last). Preference is given to predoc assists.

4. Daily Endodontic Assessment (AxiUm) 50% of Semester Grade

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.

0 Tx plan completed: 2.0

1 Tx plan completed: 2.5

2 Tx plan completed: 3.0
3 Tx plan completed: 3.5
4 Tx plan completed: 4.0

0-180 cumulative RVUs: 1.0
181-210 cumulative RVUs: 1.5
211 - 240 cumulative RVUs: 2.0
241 - 270 cumulative RVUs: 2.5
271 - 300 cumulative RVUs: 3.0
301 - 330 cumulative RVUs: 3.5
331 - 360 cumulative RVUs: 4.0

Remediation:

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 evidence supported paper, performing tasks on extracted teeth **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 retracted. 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

DEN7736L Grade Scale

Method Letter Grade
Scale 4
Tolerance 0 (Final letter grades within this range will be rounded up.)

<72	<2.50	E
72-76	2.50-2.79	C
77-80	2.80-2.99	C+
81-84	3.00-3.19	B-
85-88	3.20-3.39	B
89-91	3.40-3.59	B+
92-95	3.60-3.79	A-
96-100	3.80-4.00	A

1-4 Scale	% Scale	Letter Grade
0.0	0	E
0.1	2	E
0.2	6	E
0.3	9	E
0.4	13	E
0.5	16	E
0.6	20	E
0.7	23	E
0.8	27	E
0.9	30	E
1.0	34	E
1.1	37	E
1.2	41	E
1.3	44	E
1.4	48	E
1.5	51	E
1.6	55	E
1.7	58	E
1.8	62	E
1.9	65	E
2.0	67	E
2.1	68	E

2.2	69	E
2.3	70	E
2.4	71	E
2.5	72	C
2.6	73	C
2.7	75	C
2.8	77	C+
2.9	79	C+
3.0	81	B-
3.1	83	B-
3.2	85	B
3.3	87	B
3.4	89	B+
3.5	91	B+
3.6	92	A-
3.7	94	A-
3.8	96	A
3.9	98	A
4.0	100	A