

ENDODONTICS (ADVANCED CERTIFICATE)

NYSED: 00780 HEGIS: 1205.00 CIP: 51.0501

Program Description

The goal of the Advanced Education Program in Endodontics is to graduate students who can practice the specialty of Endodontics and teach the discipline. They will also be able to participate in research and be motivated to include service to disadvantaged populations.

The Advanced Education Program in Endodontics selects highly motivated candidates to receive two years of extensive clinical and biomedical education together with experience in teaching and research. The program accepts 11 students a year with a total of 22 students enrolled in the program. The program is fully accredited by the Commission on Dental Accreditation of the American Dental Association and has consistently attracted outstanding candidates.

Board Certification

Seminars and conferences in endodontics and multidisciplinary dentistry, individual and group case review sessions, as well as mock examinations and oral training, are geared towards preparing our students to be at their highest level of competence in clinical and didactic endodontics at the time of graduation. As a result, at least 50% of our graduating students, in each class, in the past five years have either passed the oral examination segment of the boards, or have become board certified. Although not required for graduation, all students take the written segment of the boards during their second year of residency.

Eligibility for Licensure

Completion of the CODA-accredited Advanced Education Program in Endodontics satisfies the training requirements for eligibility for participation in the board certification process for the American Board of Endodontics. Eligibility for dental licensure is based on pre-professional, professional and post-graduate training and varies by state/jurisdiction. Candidates should check the state/jurisdiction regulations for dental licensure for the state(s)/jurisdiction(s) in which they are seeking licensure in order to ensure that they comply with all requirements.

Accreditation

The Advanced Education Program in Endodontics is accredited by the Commission on Dental Accreditation and has been granted the accreditation status of "approval without reporting requirements." The Commission is a specialized accrediting body recognized by the United States Department of Education.

The Commission on Dental Accreditation can be contacted at (312) 440-4653 or at:

Commission on Dental Accreditation
211 East Chicago Avenue
Chicago, IL 60611

Please visit the Commission's website (<https://coda.ada.org/en/>) for more information.

Educational Visits/Observership Opportunities

NYU College of Dentistry welcomes dentists and dental students who are interested in applying for specialty dental education to visit our programs. Visitors to the Advanced Specialty Education Programs at NYU College of Dentistry may attend lectures/seminars and may observe, but may not participate in, direct clinical patient care.

For additional information and application, interested individuals should email dental.endo.observe@nyu.edu.

Admissions

See Admissions & Application Process (<https://dental.nyu.edu/education/advanced-education-programs/endodontics/admissions.html>) for admissions requirements and instructions specific to this program.

Program Requirements

Didactic Program

The didactic portion of the program consists of basic science and departmental courses. The departmental instruction includes lecture and textbook review (first year), classic literature review (first and second years), current literature review (first and second year), endodontic surgery, and an extensive number of basic sciences. Examinations are conducted in all courses. The didactic portion of the program emphasizes the biological basis of endodontics.

Clinical Program

The clinical component of the program covers an interdisciplinary approach to nonsurgical and surgical endodontics. Case conferences and interdisciplinary seminars are regularly conducted. Varied instrumentation and obturation techniques are taught in the program by faculty members and guest lecturers. During the first year of the program surgical didactic material is presented. Surgical cases of various types are part of the student's clinical experiences. Students take didactic and pre-clinical courses in implant dentistry during their first year and receive clinical instruction in implant dentistry in their second year. Students participate in outreach programs to underserved areas. The Endodontic Postgraduate Clinic is equipped with 22 chairs, 22 students, 22 operating surgical microscopes and two endoscopes. Rotations to different departments as well as the Oral Health Center for People with Disabilities and access to state of the art technology such as CBCT and guided endodontics, augment the student's clinical experience.

Research Program

Research is a requirement for graduation. All students gain experience in research by participating in clinical or basic science research projects. Research advisers are selected from clinical or basic science departments. The research program has received national recognition.

Teaching Program

Teaching experiences are a part of the program and a requirement for all students. Teaching undergraduate dental students provides our post-graduate students with experiences that may be a motivating factor in the inclusion of education as part of their career plans.

Sample Plan of Study

Course	Title	Credits
1st Semester/Term		
DGSCI-DN 9312	Multidisciplinary Seminars Core A	0.5

BASCI-DN 5055	Advanced Education Core Sciences	7
BASCI-DN 7027		1.5
BASCI-DN 5056	Applied Sciences	0.75
BASCI-DN 8043	Clinical Application of Advances in Wound Healing	1.25
DGSCI-DN 9371	Current Concepts in Implant Dentistry & Bone Regeneration IA	1.5
DGSCI-DN 9311	Principles of Endodontics I A	4
DGSCI-DN 9313	Conferences in Endodontics I A	1.75
DGSCI-DN 9310	Advanced Education in Endodontics Clinic I A	16.5
DGSCI-DN 9375	Endodontics Urgent Care Rotation I A	1.25
Credits		36
2nd Semester/Term		
DGSCI-DN 9512		0.5
DGSCI-DN 9374	Principles Essential to the Practice of Endo I	3.75
DGSCI-DN 9513		2
DGSCI-DN 9510		16.5
DGSCI-DN 9575		1.25
Credits		24
3rd Semester/Term		
DGSCI-DN 9312	Multidisciplinary Seminars Core A	0.5
DGSCI-DN 9315	Principles of Endodontics II A	0.5
DGSCI-DN 9316	Conferences in Endodontics II A	1
DGSCI-DN 9314	Advanced Education in Endodontics Clinic II A	16.5
DGSCI-DN 9377	Endodontics Urgent Care Rotation II A	1.25
Credits		19.75
4th Semester/Term		
DGSCI-DN 9512		0.5
DGSCI-DN 9376	Principles Essential to the Practice of Endo II	0.75
DGSCI-DN 9516		1
DGSCI-DN 9514		16.5
DGSCI-DN 9577		1.25
Credits		20
Total Credits		99.75

Learning Outcomes

Upon completion of the postgraduate training in the field of Endodontics, students will:

1. Diagnose, manage and treat pulpal and periradicular disease by non-surgical and surgical treatment methods utilizing the foundational knowledge acquired in the subjects of anatomy (gross and micro) of soft and hard tissues of the head and neck, embryology, infectious and immunologic processes in oral health and disease, pathophysiology, wound healing, oral medicine, oral pathology, pharmacotherapeutics, neuroscience and biomaterials.
2. Develop clinical skills in surgical endodontic treatment and retreatment, provide comprehensive treatment including hard and soft tissue management in the surgical site, and provide appropriate pre-, intra-, and post-operative care and management.
3. Demonstrate proficiency in the use of radiography and other diagnostic imaging technologies, including use of Limited Field of View (LFOV) Cone Beam Computed Tomography (CBCT).
4. Demonstrate proficiency in the use of magnification and illumination instruments and technology including but not limited to the operating microscope or other developing magnification technologies.
5. Work in collaboration with other healthcare professionals in the management of endodontic treatment of medically compromised patients.
6. Exhibit compassion in the management of patients with orofacial pain and anxiety; specific to the emergency treatment of endodontic conditions and traumatic dental injuries.
7. Describe the preparation of space for intraradicular restorations in endodontically treated teeth.
8. Construct and execute vital pulp and endodontic management of developing permanent teeth.
9. Apply evidence-based practice in the areas of revascularization/regenerative endodontics.
10. Execute intracoronal bleaching techniques as clinically applicable.
11. Diagnose and treat periodontal conditions and defects in conjunction with the treatment of the specific tooth undergoing endodontic treatment; treatment will be provided in consultation with the individual specialists who will assume the responsibility for the completion or supervision of any additional periodontal maintenance or therapy.
12. Receive instructions in the placement of intraradicular restorations and cores, implants and extrusions of endodontically treated teeth in consultation with the restorative or other specialty dentist(s).
13. Discuss the history of endodontics and its evolution in the management of medical emergencies and teaching methodologies.
14. Utilize ethical guidelines in practice management that adhere to the highest standards of jurisprudence and risk management.
15. Complete a research project including a critical review of the literature, development of a hypothesis, design of the project combined with the appropriate statistical analysis and interpretation of data concluding with the outcome/findings of the project.

Policies

COVID-19 Vaccine-Related Requirements Mandatory Vaccinations, Boosters, and Records Upload

All members of the NYU community — students, faculty, employees, vendors, affiliates, and campus visitors — are required to be fully vaccinated against COVID-19, to upload proof of their vaccination to NYU's portal, and to have that vaccination documentation accepted by NYU.

NYU Dentistry also must abide by the New York State Department of Health (DOH) regulations "Prevention of COVID-19 Transmission by Covered Entities" (10 NYCRR 2.61).

Note: As of January 13, 2023, the information regarding the applicability and scope of DOH regulations is subject to change, as the regulations are subject to ongoing litigation between the state of New York and a non-NYU party. NYU is monitoring the status of the regulations and this page will be updated prior to matriculation of currently admitted students.

Read the Message to all Admitted Students regarding Proof of COVID-19 Vaccination (<https://dental.nyu.edu/nyudental/en/aboutus/covid19/message-to-admitted-students.html>)

NYU Policies

University-wide policies can be found on the New York University Policy pages (<https://bulletins.nyu.edu/nyu/policies/>).

School of Dentistry Policies

A full list of related academic policies can be found on the School of Dentistry Academic Policies page (<https://bulletins.nyu.edu/graduate/dentistry/academic-policies/>).