

PERIODONTICS (CERTIFICATE)

Overview

The Graduate Periodontics Program begins July 1st of each year and is of 36 months duration. Upon successful completion of the program, the resident is awarded a Certificate in Periodontics and is eligible to take the American Board of Periodontology examination. A Master of Science in Dentistry degree is a requirement of the program, and residents are prepared to defend a Master's Thesis.

The program is planned to be multifaceted and to utilize the extensive facilities and outstanding personnel of the University of Colorado to provide:

- A strong foundation in the basic sciences, including surgical anatomy, cell biology, biochemistry, immunology, research methodology, and others.
- Clinical science courses that include occlusion, oral medicine, oral pathology, dental implantology, interdisciplinary treatment planning, and others.
- An extensive review of the periodontal literature to provide the basis for understanding current philosophies of therapy and to establish a scientific basis for formulating comprehensive treatment plans.
- Exposure to a wide range of periodontal diagnoses requiring a variety of therapeutic procedures. Residents are encouraged to utilize a variety of materials and clinical techniques as long as there is evidenced-based research to support their clinical decision-making.
- Research opportunities in either basic science or clinical areas to enable the resident to accomplish a meaningful original research project.
- Experience in conscious sedation training and management of special care needs patients.
- Teaching experience in both the classroom and clinic to communicate those principles and skills acquired during training.

Admission Requirements

The University of Colorado Graduate Periodontics Program **DOES NOT** participate in ADEA/PASS or MATCH Programs. To apply, please follow the guidelines below.

The number of applicants accepted varies each year based upon positions available and Commission on Dental Accreditation limitations. Candidates should possess strong academic credentials. The application cycle opens on March 1st. Applicants must submit a completed application by July 1st in order to be considered for admission for the next year. The application process is forever evolving during this time and you will be notified after July 1st of the next steps. Upon acceptance, a \$3,000 deposit is required to hold your position. This deposit will be applied toward tuition.

Please note at this time our program cannot provide externships. Once your application is in, you will be assigned to a 2nd-year resident where specific questions can be answered.

Application Requirements:

- Completed Postgraduate Periodontics Program Application (https://dental.cuanschutz.edu/docs/librariesprovider253/prospective-student-uploads/periodontics-admissions-application_082023.pdf?sfvrsn=239404bb_2)

- Regents Questionnaire (https://dental.cuanschutz.edu/docs/librariesprovider253/prospective-student-uploads/board-of-regents-questionnaire-2008-2009.pdf?sfvrsn=87ddc9b9_2)
- Official transcript in a sealed envelope from each college/university attended. International transcripts must be evaluated by an accredited foreign credentialing service. If your college/university can send official transcripts via email, these will be accepted going forward.
- National Board Examination scores (official report or certified copy), can be sent via email.
- Curriculum vitae
- Three (3) letters of recommendation. Recommendation letters can be sent via email (alyssa.russo@cuanschutz.edu) from the person who is recommending you.
- Application fee of \$50.00 paid online (https://isis-cs.prod.cu.edu/psc/csprod/EMPLOYEE/HRMS/c/CU_SELFSRV_PUB.CU_APPFEE_PAYMENT.GBL?INSTITUTION=CUDEN).

More detailed information can be found on the American Academy of Periodontology (AAP) website (<https://www.perio.org/education/CO-UCO.htm>).

Additional Documents Required (If Applicable):

- Graduate Record Examination (GRE) scores: Required for all applicants who graduated from a dental school not accredited by the Commission on Dental Accreditation or schools that do not rank or provide grades. GRE scores taken more than five (5) years before the application date will not be accepted. For GRE scores, please use the institution code 7209.
- Test of English as a Foreign Language (TOEFL) scores: Required for international applicants. TOEFL tests taken more than two (2) years prior to the date of application will not be accepted. For TOEFL scores, please use the institution code B785.
- Permanent Resident Green Card: If an applicant is now a permanent resident of the United States, the applicant must provide their full, legal name as it appears on immigration documents and a certified copy of the front and back of their federal Green Card.

Applications can be sent via email

(angelica.maez@cuanschutz.edu) (preferred method) or mailed to:

University of Colorado School of Dental Medicine
Postdoctoral Program in Periodontics
Mail Stop F-850
13065 E. 17th Avenue (For FED-EX/UPS, include Room 104D)
Aurora, CO 80045

Applications will be updated in your file at the beginning of every month as long as we have your application in hand. We will reach out by the 5th of each month leading to the deadline to verify that your application is complete or if there is anything missing. If we do not have your application, no update will be given. Thank you for your patience on this.

Questions? Please contact Angelica Maez at 303-724-6243 or angelica.maez@cuanschutz.edu.

Curriculum

Over the course of 36 months, residents' time is allocated in the following manner:

- Clinical – 62%
- Didactic - 34%
- Research – 3%
- Teaching – 1%

Requirements for Graduation:

- Maintain a "B" (3.0 on a 4.0 scale) overall Grade Point Average (GPA)
- Successful completion of all required courses or their appropriate substitutes
- Attendance at all classes and clinics assigned
- Successful completion of exams
- Demonstrate clinical proficiency in Periodontics
- Be a Student Member of the American Academy of Periodontology
- Be a Student Member of the American Dental Association

First Year Courses

Code	Title	Hours
DPER 6209	Surgical Anatomy and Osteology	.1-11
DPER 7100	Periodontics Specialty Clinic 1	.1-11
DPER 7101	Periodontal Current Literature	.1-11
DPER 7103	Periodontal Literature Review Seminar I	.1-11
DPER 7110	Advanced Radiology and Radiographic Interpretation	.1-11
DPER 7111	Advanced Periodontal Concepts	.1-11
DPER 7113	Oral Medicine and Clinical Diagnosis	.1-11
DPER 7114	Physical Diagnosis	.1-11
DPER 7115	Interdisciplinary Course 1A	.1-11
DPER 7120	Advanced Periodontal Biology	3
DPER 7200	Periodontics Specialty Clinic 2	.1-11
DPER 7201	Periodontics Current Literature 1A	.1-11
DPER 7203	Periodontal Literature Review Seminar 1A	.1-11
DPER 7204	Periodontal Case Presentations Seminar 1A	.1-11
DPER 7210	Advanced Periodontal Biology	.1-11
DPER 7211	Pain Control & Sedation/Comprehensive Pain Management	.1-11
DPER 7212	Postgraduate Dental Implantology Seminar 1B	.1-11
DPER 7215	Interdisciplinary Course 1B	.1-11
DPER 7216	Pharmacology 1	.1-11
DPER 7219	Dental and Medical Emergency Management	.1-11
DPER 7220	Research and Methodology and Biostatistics I	2.5
DPER 7300	Periodontics Specialty Clinic 3	.1-11
DPER 7301	Periodontics Current Literature 1B	.1-11
DPER 7302	Periodontics Treatment Planning 1B	0.5
DPER 7303	Periodontal Literature Review Seminar 2	.1-11
DPER 7304	Periodontal Case Presentations Seminar 1B	.1-11
DPER 7305	Periodontal Research 1	.1-11
DPER 7308	Ethics, Financial and Practice Management 1	.1-11
DPER 7315	Interdisciplinary Course 1C	.1-11
DPER 8106	Anesthesiology	.1-11

DPER 7316	Pharmacology II	.1-11
DPER 7317	Implant Provisionalization for the Periodontal Residen	.1-11
DPER 7320	Research Methodology and Biostatistics 2	.1-11
DPER 8116	Management of Orofacial Pain	.1-11
DPER 8317	Advanced Oral & Maxillofacial Pathology for Periododon	.1-11
DPER 8120	Head and Neck Anatomy	.1-11

Second Year Courses

Code	Title	Hours
DPER 8100	Periodontics Specialty Clinic 4	.1-11
DPER 8101	Periodontal Current Literature 2	.1-11
DPER 8102	Periodontal Literature Review Seminar 2	.1-11
DPER 8105	Periodontal Research 2	.1-11
DPER 8106	Anesthesiology	.1-11
DPER 8115	Interdisciplinary Course 2A	.1-11
DPER 8200	Periodontics Specialty Clinic 5	.1-11
DPER 8201	Periodontal Current Literature 2A	.1-11
DPER 8203	Periodontal Literature Review Seminar 3	.1-11
DPER 8204	Periodontal Case Presentations Seminar 2A	.1-11
DPER 8205	Periodontal Research 3	.1-11
DPER 8215	Interdisciplinary Course 2B	.1-11
DPER 8216	Pharmacology III	.1-11
DPER 8219	Dental and Medical Emergency Management	.1-11
DPER 8222	Periodontic/Orthodontic Treatment	.1-11
DPER 8300	Perio Specialty Clin 6	.1-11
DPER 8301	Periodontics Current Literature 2B	.1-11
DPER 8302	Pero Treatment Plan 2B	0.5
DPER 8303	Perio Lit Rev Seminar 4	.1-11
DPER 8304	Perio Case Pres Sem 2B	.1-11
DPER 8305	Perio Research 4	.1-11
DPER 8308	Ethics, Financial and Practice Management 2	.1-11
DPER 8311	Adv Immu/ Microbiology	.1-11
DPER 8315	Interdisciplinary Course 2C	.1-11
DPER 8316	Pharmacology IV	.1-11

Third Year Courses

Code	Title	Hours
DPER 9015	Interdisciplinary Course 3A	.1-11
DPER 9017	Scientific Writing and Evaluation	.1-11
DPER 9100	Perio Specialty Clin 7	.1-11
DPER 9101	Periodontal Current Literature 3A	.1-11
DPER 9102	Periodontal Literature Review Seminar 5	.1-11
DPER 9105	Peridontal Research 5	.1-11
DPER 9200	Perio Specialty Clin 8	.1-11
DPER 9201	Periodontal Current Literature 3B	.1-11
DPER 9203	Periodontal Literature Review Seminar 6	.1-11
DPER 9204	Perio Case Pres Sem 3A	.1-11
DPER 9205	Periodonal Research 6	.1-11
DPER 9215	Interdisciplinary Course 3B	.1-11
DPER 9216	Pharmacology V	.1-11
DPER 9219	Dental and Medical Emergency Management	.1-11

DPER 9300	Perio Specialty Clin 9	.1-11
DPER 9301	Periodontal Current Literature 3C	.1-11
DPER 9303	Periodontal Literature Review Seminar 7	.1-11
DPER 9304	Perio Case Pres Sem 3B	.1-11
DPER 9305	Periodontal Research 7	.1-11
DPER 9308	Ethics, Financial and Practice Management 3	.1-11
DPER 9315	Interdisciplinary Course 3C	.1-11
DPER 9316	Pharmacology VI	.1-11

Certificate Requirements

Requirements for Graduation:

- Maintain a "B" (3.0 on a 4.0 scale) overall Grade Point Average (GPA)
- Successful completion of all required courses or their appropriate substitutes
- Attendance at all classes and clinics assigned
- Successful completion of exams
- Demonstrate clinical proficiency in Periodontics
- Be a Student Member of the American Academy of Periodontology
- Be a Student Member of the American Dental Association

Student Learning Outcomes

Mission Statement:

The primary objective of the Periodontics Residency Program is to produce outstanding clinical periodontists who engage in a broad scope of periodontal procedures and who are capable of engaging in research, teaching and leadership activities. We hope to produce the most well trained clinical periodontists coming out of residency programs in the U.S., so that they can offer the highest quality of care to their patients, provide for their families, and give back to the community and the profession.

This is accomplished by focusing on the following goals and objectives:

Goal 1

- Provide comprehensive training that assures resident knowledge and proficiency in periodontics.

Objectives:

- Demonstrate foundational didactic knowledge and insight in the biomedical sciences.
- Demonstrate a high level of clinical skill in a comprehensive variety of periodontal and dental implant treatment modalities.
- Demonstrate knowledge of classic and current periodontal and Implant literature; including interpretation, analysis, and critical evaluation.
- Demonstrate knowledge of systemic/medical considerations impacting patient periodontal status and provision of care.
- Demonstrate knowledge of pathogenesis/management of oral mucosal pathoses.
- Demonstrate knowledge of and clinical skills in multidisciplinary patient care (prosthodontic, orthodontics, TMD, endodontics).
- Demonstrate knowledge of and clinical skills in methods of adjunctive anxiety and pain control including conscious sedation using intravenous, oral and inhalation routes. Emphasis will be placed on IV sedation.

- Prepare residents for practice following graduation by introduction to principles of practice management.
- Demonstrate professional/ethical behavior in all aspects of residency training and patient care.

Goal 2

- Provide instructional skills that will enable residents to effectively communicate/transmit knowledge of periodontics and related subjects.

Objectives:

- Demonstrate knowledge of organizing, leading and presenting lectures, case presentations and seminars.
- Demonstrate ability to teach clinical periodontal evaluation, diagnosis and therapy to other oral health care providers.

Goal 3

- Prepare residents for specialty board certification.

Objectives:

- Successfully challenge the AAP In-Service Examination.
- Successfully evaluate case scenarios using ABP guidelines.
- Obtain specialty board certification by program graduates.

Goal 4

- Create an atmosphere of scientific inquiry and scholarship.

Objectives:

- Develop an understanding of the scientific method, hypothesis testing and use of evidence-based methodologies. Demonstrate active engagement in research leading to Master of Science of Dentistry degree by the conclusion of residency.
- Present research findings at local/national levels. Publish in scientific journals.

Goal 5

- Maintain rigorous evaluation of the residency program.

Objectives:

- Evaluation of the residency program by program graduates.
- Evaluation of faculty effectiveness by residents and Program Director.
- Provide frequent formal resident feedback.
- Evaluate goals, objectives and outcomes of the program annually.