

Clinical Preceptorship in ORAL & MAXILLOFACIAL RADIOLOGY

An Eleven-Month Continuing Education Program
(Includes information on 5½ and 3-Month Programs)

OVERVIEW

This program is specifically designed for the dentist who wishes to gain a scientific background and additional training in the practice of Oral & Maxillofacial Radiology. The program will focus on all aspects of Oral & Maxillofacial Radiology (OMFR) such as intraoral and extraoral imaging, diagnostic radiology of jaws, neck and orofacial region including salivary glands. It will also emphasize the identification and evaluation of sites for implant placement and will give necessary knowledge to evaluate root form implants radiographically.

PROGRAM DESIGN/OBJECTIVES

Since knowledge of Oral & Maxillofacial Radiology is essential for diagnosis and success of any treatment plan, a thorough knowledge of anatomy and pathology of the oral and maxillofacial structures is crucial. To become competent in the practice of Oral and Maxillofacial Radiology, the clinician must perform a proper assessment of patients including history taking and physical examination, obtain appropriate radiographs and develop a management plan. The management plan must be evidence-based and consistent with standards of care set forth by the scientific literature.

The program is designed to provide participants with the necessary background for practice of Oral and Maxillofacial Radiology. Although the focus will be on OMFR, participants will be exposed to several areas including medicine, laboratory diagnostics, oral pathology, oral oncology, orofacial pain, pharmacology, nutrition and geriatric dentistry as well as management of medical emergencies in a dental setting through didactic/clinical exposure at the Rutgers School of Dental Medicine. Based on this philosophy, participants will have a challenging opportunity to integrate and synthesize basic science and clinical knowledge and apply this information in diagnostic work up, medical risk assessment for dental care and management of dental patients.

EDUCATIONAL REQUIREMENTS

The OMFR program offers participants a collegial environment to accomplish their personal objectives. The curriculum is comprised of didactic assignments, clinical experience, intramural rotations, teaching responsibilities. The didactic learning experiences include seminars, lectures, workshops, and self-study activities. Although there is considerable flexibility in the selection and sequencing of the didactic and clinical components, each participant is required to attend didactic sessions designed to provide the necessary background for management of radiology patients. An important part of the program is the clinical experience that comprises nearly half of scheduled activities commencing in the first quarter and continuing across the entire program. Included is the option of attendance in basic science and oral biology courses designed to give the student a strong science and analytical foundation applicable to care of radiology patients. Participants are also encouraged to complete a paper of publishable quality for submission to a refereed scientific journal on a topic to be mutually determined by the participant and program director. Participants are encouraged to attend, and preferably present a paper, at least

one annual session of the American Academy of Oral and Maxillofacial Radiology conference. Participants also have the opportunity to participate in research projects conducted within the department. The Clinical Preceptorship in OMFR may be combined with a Master's program over a two to three year period.

SCHEDULE

- The eleven-month Clinical Preceptorship starts on July 1 each year; it runs from Mondays through Fridays, from 8 a.m. to 5 p.m. each day. Participants are allowed eight (8) additional days off for personal or sick days.
- The five and one-half (5½) month program starts either July 1 or January 2 each year. Participants are allowed four (4) additional days off for personal or sick days. *This program may be converted into an eleven-month program. See tuition information for details.*
- The three (3) month program has start dates of January 2, March 1, July 1 or September 1. Participants are allowed two (2) additional days off for personal or sick days. *This program may be extended for up to an additional three months. See tuition information for details.*
- Holidays and vacations coincide with the post-graduate schedule.
- The school may also close for severe weather events.

CRITERIA FOR SELECTION

Applicants should be dental professionals seeking to expand their experience and knowledge in the discipline of Oral and Maxillofacial Radiology. A demonstrable interest in the diagnostic sciences is desirable. All candidates should be available for an in-person interview prior to acceptance. A telephone interview will be granted if travel would impose a hardship. *(See Admissions Requirements on page 6.)*

COURSE COMPONENTS/DISCIPLINES

The curricular content for the Clinical Preceptorship in Oral and Maxillofacial Radiology are listed below and each requirement is briefly described on the following pages. Although a specific time period is allocated for each educational activity, the actual time listed is subject to change.

Dent 5010	Foundation of Oral Biology (selective/elective)
Dent 5020	Advanced Biomedical Sciences (selective/elective)
OM 8501	Oral Medicine Seminar Series
OM 8502	Oral Pathology Seminar Series
OFP 701	Orofacial Pain Seminar Series
DSCI 8305	Oral Radiology Clinic - Room C 735, OMFR Clinic CONTACT HOURS: Clinic: 60 (Varies by participant) Days & Time: Monday AM/Tuesday/Wednesday/Thursday/Friday 10 AM - 1 PM, 2 PM - 4:45 PM
OM 8505	Oral Pathology rotation
DSCI 8412	Oral Radiology – Advanced Imaging Techniques REQUIRED TEXTS: Oral Radiology, 5th Edition, White & Pharoah, CV Mosby & Co, St. Louis.

**Dent 5010 and 5020: Foundation of Oral Biology and
Advanced Biomedical Science for Dentistry (82 hours):**

These courses, which are a requirement for all postdoctoral graduate students, are given over a two-year period. Because the program is only 11-months or shorter, students have the option of auditing any of the courses listed below depending upon scheduling and possible conflicts. Listed below are a few of the postgraduate courses particularly relevant to the field of OMFR. Tuesdays 8:00 am to 10:00 am (September to June)

Head and Neck Anatomy	12 hours
Pathobiology	18 hours
Oral Pathology	20 hours
Orofacial Pain Disorders	8 hours
Clinical Pharmacology & Therapeutics	14 hours
Embryology & genetics	10 hours

OM-8501: Oral Medicine Seminar Series

This series will focus on reinforcing knowledge of topics within the field of Oral Medicine. The curriculum is designed to review fundamentals of Oral Medicine including oral mucosal lesions, salivary gland disease, and medically complex patient issues. Emphasis will be placed on applying this information to clinical practice. Attendance is mandatory for all OMFR AEP participants

OM-8502: Oral Pathology Seminar Series

This series provides a comprehensive review of oral and maxillofacial pathology and consists of introductory presentations, clinical pathologic conferences and histopathologic sessions using a multi-headed microscope. Topics covered in the introductory lectures include evaluation and management of oral mucosal diseases, and evaluation and management of hard tissue conditions affecting maxillofacial region, principles of radiographic interpretation and differential diagnosis of jaw lesions. Attendance in this seminar series is mandatory for all OMFR AEP participants

OFP-701: Orofacial Pain Seminar Series

This series is offered by the Division of Orofacial Pain and focuses on reinforcing knowledge of topics within the field of Orofacial Pain and its application to clinical practice. The curriculum is designed to review fundamentals of Orofacial Pain including temporomandibular disorders, musculoskeletal conditions, chemosensory disorders and neuropathic pain disorders. Attendance is mandatory for all OMFR preceptorship participants.

Medically Complex Clinic

Participants will have the opportunity to observe patients in the Medically Complex clinic that provides comprehensive oral/dental care for patients with cardiovascular, renal, immune or hematologic compromise, organ transplantation or head and neck malignancy. The participant will attend at least one clinical session per week

Orofacial Pain Clinic

Participants will have the opportunity to attend orofacial pain clinic where patients with temporomandibular joint problems, acute and chronic orofacial pain and orofacial neurosensory disorders are evaluated and treated. Participants will attend at least one clinical session per week

OM-8505: Oral Pathology Rotation

Participants will receive advanced training in oral pathology and enhance their diagnostic skills by participating in the oral pathology service at the RSDM. The Participant will also learn about tissue processing procedures and slide preparation. The Oral Medicine/Oral Pathology Microscope Conference is held complementary to Oral Pathology Seminar Series and is a forum for microscopic review of biopsies submitted to RSDM biopsy service as well as interesting cases presented for learning and discussion of histopathology. The goal is to enhance participant's skills in microscopic interpretation and reaching a definitive diagnosis of diseases affecting oral and maxillofacial region.

The Oral Pathology Quality Assurance and Consensus Conference meet weekly to microscopically review and discuss the challenging cases that have been accessioned in the RSDM Biopsy Service. The participants closely examine the lesions of inflammatory, immune mediated and neoplastic nature as well as other relevant cases for consensus and educational purposes. This educational program will serve to enhance the knowledge of the Oral Pathology and mucosal lesions

DSCI 8305: Oral Radiology Clinic

Participants will receive training in diagnostic head and neck imaging and enhance their ability to utilize the broad scope of imaging modalities including oral radiographs, panoramic radiology, plain films, digital, tomography, sialography, computed tomography, magnetic resonance imaging and Scintigraphy. The purpose of this clinic experience is to gain clinical experience and didactic knowledge in standard and advanced oral and maxillofacial imaging techniques and interpretation. The clinic experience will provide participants with an extensive review of image selection, interpretation, and radiographic technique with particular emphasis on radiographic manifestations of local and systemic diseases in the head and neck region.

Academic Activities and Research in The Division of Oral and Maxillofacial Radiology:

In addition to didactic core program, Participants will have the opportunity to attend in a variety of academic activities offered by the Division of Oral & Maxillofacial Radiology.

Division of Oral Medicine Literature Review (Journal Club)

The journal club is a dynamic forum for critical thinking and examination of pertinent, current scientific literature. Residents and C.E. Participants in the division of oral medicine will meet regularly month to discuss and critique an assigned article with focus on evidence-based practice of dentistry and medicine. Presentations are made by each participant on a rotating schedule.

Tumor Board

A multidisciplinary forum where, otolaryngology/head & neck surgery, radiology, pathology, radiation/hemato-oncology, oral medicine and dentists meet to discuss comprehensive management of

current patients with head and neck cancer. During this multidisciplinary approach, discussion will focus on diagnosis and treatment modalities.

Case Presentation

Residents, faculty and participants in the Division of Oral Maxillofacial Radiology actively participate in case presentation sessions. This is an opportunity for students to present documented cases related to the diagnostic challenges in medically complex patients as imaging is an integral part of the management

Treatment Planning Seminar

Through small group discussions and case-based learning, residents, participants and faculty discuss comprehensive oral/dental management of medically complex patients referred to the Oral Medicine Clinic. The participant will also have the opportunity to attend the weekly treatment planning seminars offered through the Division of Oral Diagnosis aimed at reinforcing relevant concepts to clinical practice.

Advanced topics in Dental Medicine

A series of post-graduate seminars relevant to medical and dental science are presented by the division faculty or invited speakers. Advanced topics focused on clinical dentistry including Endodontics, Periodontics, Prosthodontics and implant dentistry are presented and discussed in an open forum.

EVALUATION OF PARTICIPANT

For satisfactory completion of the program, the Participant must:

- Complete attendance requirements of the program.
- Demonstrate didactic and clinical knowledge in Oral & Maxillofacial Radiology as determined by the director and attending faculty in the Division of Oral & Maxillofacial Radiology.

FACULTY

Department of Diagnostic Sciences

STEVEN R. SINGER, DDS - Program Director

Professor and Chair,
Department of Diagnostic Sciences
Acting Director, Division of Oral and
Maxillofacial Radiology

MEL MUPPARAPU, DMD, MDS, Diplomate ABOMR

Clinical Professor,
Division of Oral & Maxillofacial Radiology

ADRIANA CREANGA, BDS, MS, Diplomate ABOMR

Assistant Professor,
Division of Oral & Maxillofacial Radiology

MAXINE STRICKLAND, DMD, MPH

Associate Professor,
Division of Oral & Maxillofacial Radiology

FACILITIES

The Rutgers School of Dental Medicine is located on the Rutgers Biomedical and Health Sciences Newark Campus. The medical and dental schools, graduate school of biomedical sciences, and University Hospital are grouped together on an attractive campus with convenient private parking.

ADMISSION REQUIREMENTS

- Have a DDS/DMD degree or its equivalent from an accredited dental school.
- Payment of non-refundable applicant fee of \$200 U.S. (*This can be paid online, see website for link.*)
- Submission of a completed application form, including:
 - Documentation of your Objectives and Goals (see page 3 of the form).
 - Curriculum Vitae (attach or insert a small photo if available).
- Verified copies from your dental school of your Transcript and Dental School Diploma.
- Two to three original Letters of Recommendation (see page 4 of this form).
- Applicants with foreign degrees will be considered based upon an evaluation of their academic credentials. Submit an original Evaluation Report from one of the following:
 - Educational Credential Evaluators (ECE - preferred) –or- World Education Services (WES).
 - We recommend you request a report showing a breakdown by courses.*
- Applicants with English as a second language must attain a TOEFL score of 80 or higher; or an International English Language Testing System (IELTS) overall score of 6 or greater.
 - Submit an original report.
- Graduate Record Examination (GRE) and National Board scores are not required, but may be submitted in support of the application.
- Attend a personal interview when possible.
- Be a citizen or a permanent resident of the United States, or a foreign national with a visa status acceptable to the CE program.

Deadline for submission of application: See website.

Further Requirements

Upon notification of preliminary acceptance into the program, the applicant will also be required to:

- Pay a non-refundable deposit within 10 business days of notification. The formal acceptance letter is sent when the deposit is received. *See "Tuition" on next page for more details.*
- Submit Health and Immunization Forms per University policy ("Student Immunization and Health Requirements.") Due three months prior to start date of program.
- Submit Cardio Pulmonary Resuscitation (CPR) certification for BLS that will be valid for duration of program.
- Be cleared by a Background Check; an additional fee is required for this.
- Provide proof of Health Insurance from a U.S. based company. Insurance must remain active for full duration of the program.
- Licensed U.S. Dentists provide proof of Liability Insurance.

Due to time constraints and other obligations, all correspondence from us is done by email.

If you need to contact us, please use our email address: cde@sdm.rutgers.edu.

TUITION (for Academic Year 2021-2022)

- ♦ For all programs the balance of tuition is due one month prior to the start date of that program.

The eleven month Clinical Preceptorship tuition will be a total of \$30,000 (US). Some additional fees and expenses may be applicable. A non-refundable deposit of \$3,500 is required to hold your place in the program; payment must be received within 10 business days of the pre-acceptance notification.

The 5½ month program tuition will be a total of \$15,300 (US) for the initial five and one-half months. Some additional fees and expenses may be applicable. A non-refundable deposit of \$2,000 is required to hold your place in the program; payment must be received within 10 business days of the pre-acceptance notification. *With permission from the program director, this program may be converted into an eleven-month program; tuition will be \$15,100 (US) for the additional 5½ months.*

The 3 month program tuition is a total of \$8,600 (US). A non-refundable deposit of \$1,500 is required to hold your place in the program; payment must be received within 10 business days of the pre-acceptance notification. *If space is available, With permission from the program director, this program may be extended on a month-by-month basis at the prorated amount of \$2,875 (US) a month, for up to a maximum of three additional months.*

CANCELLATION POLICY

To participate in this program you must be pre-registered with the Office of Continuing Dental Education. No refunds of any tuition paid will be made after program has started.

CREDIT

The **eleven-month Clinical Preceptorship** offers a unique opportunity for didactic and hands-on clinical experience in the Department of Diagnostic Sciences. It is a non-matriculated, continuing dental education program. If participant completes the program as designed, they will earn 1,430 continuing education (C.E.) credit hours.

The **5½ and 3-month programs** offer the same opportunities but on a reduced level due to the shorter duration. Upon satisfactory completion of the program, Participants in the 5½ month program will earn 715 C.E. credit hours. Participants in the 3-month program will earn 390 C.E. credit hours.

HOW TO APPLY

Submit completed application to:

Rutgers School of Dental Medicine
Continuing Dental Education
110 Bergen Street, B701
Newark, NJ 07103

Email: cde@sdm.rutgers.edu

Website: <https://cde.sdm.rutgers.edu/clinical-preceptorship-programs/>
(Link to the **Application Form** can be found on this webpage)