

Welcome to the Dentistry Residency Program

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MISSION STATEMENT

It is the goal of Hennepin County Medical Center's General Practice Residency Program to produce general dentists with advanced skills in order to better serve a diverse community and practice as a part of a total health care team.

ADMISSION CRITERIA

The admission criteria for the General Practice Residency program conforms to Hennepin County Medical Center's regulations and federal law regarding discrimination.

Applicants for the program must meet the following criteria:

- 1) Must be a graduate of an ADA-accredited Dental School.
- 2) Must be eligible for a resident's license in the State of Minnesota.

Applicants are not required to have passed regional boards.

Applications must be made through the PASS (Postdoctoral Application Support Service) program. Completed applications must be submitted by December 1. Upon review of the application package, the applicant may be invited for an interview. Selected candidates are required to interview in person on designated interview days. Exact dates of interviews will be determined at a later time.

KEY CONTACTS

Information for the General Practice Residency Program may be obtained by contacting:

Meagan McCabe, Resident Coordinator

Phone: 612-873-8513

Meagan.McCabe@hcmcd.org

The Dentistry Service Office for observation opportunities:

Joni Egan, Senior Administrative Assistant

Phone: 612-873-6275

Joni.Egan@hcmcd.org

Erin Gunselman, DDS; General Practice Residency Assistant Program Director

Erin.Gunselman@hcmcd.org

HOURS

Clinic Hours are 8:00am – 5:00pm

CALL: The department of dentistry maintains on call services in the hospital at all times. Call is split between the general practice residents and the OMFS residents that are currently rotating at HCMC.

1. Call is taken In House (i.e., resident must stay in the hospital) for the first 2 months of the program. After this initial training period, residents may be allowed to take call from home on non-trauma weeks (every other week). A call room is provided for the resident on call.
2. During July, call is taken along with an OMFS resident, who will orient the new residents to the hospital and emergency procedures.

3. During the remainder of the year, call will be taken on average five times per month.
4. Duties on call include coverage of Emergency rooms, care of dental and oral surgery inpatients, and consultations from other services needed before the next clinic day.

GENERAL OBJECTIVES

1. Serve as a primary oral health care professional with improved skill and confidence in providing patient focused emergency and comprehensive oral health care.
2. Serve their community by understanding the oral health needs of a diverse community and by acting as a primary oral health care provider for diverse patient groups including those with special needs.
3. Manage delivery of oral health care by applying the concepts of patient and practice management and quality improvement that are responsive to a dynamic health care environment.
4. Function effectively in a hospital setting, and practice as part of a collaborative multidisciplinary health care team.
5. Apply scientific principles to learning and oral health care. This includes critical thinking, evidence or outcomes-based clinical decision-making, and technology-based information retrieval systems.
6. Utilize the values of professional ethics, lifelong learning, patient centered care, adaptability, community service, and acceptance of cultural diversity in professional practice.

COMPETENCIES

GENERAL PRACTICE MANAGEMENT

- Act as a primary oral health care provider by delivering emergency and multidisciplinary comprehensive health care in a patient-centered manner.
- Evaluate scientific literature and apply the information to make clinical evidence based decisions.
- Function effectively within interdisciplinary health care teams, including appropriate consultation and referral.
- Provide and coordinate patient-focused oral health care.

DIAGNOSIS AND PREVENTION OF DISEASE

- Assess, diagnose, and plan for the provision of multidisciplinary oral health care for a wide variety of patients including those with special needs.
- Develop and implement prevention and management strategies for oral disease including caries (caries risk) and periodontal disease (periodontal risk) in all populations.
- Perform a medical and dental history, physical evaluation, and assess social history to establish a risk assessment for use in the development of a dental treatment plan.

TREATMENT PLANNING OF ORAL DISEASE

- Develop and carry out dental treatment plans for patients in a patient centered manner that considers and integrates those patients' medical, psychological, cultural, and social needs.

- Understand the process and obtain informed consent for dental treatment by discussing with patients, parents, guardians, or families, the following: findings, diagnosis, risks, benefits, alternatives, and process of various treatment options.
- Integrate multiple disciplines into patient centered, comprehensive, sequenced treatment plans.
- Modify the treatment plan, if indicated, based on therapeutic outcomes, unexpected circumstances, or the patient's individual needs.

GENERAL DENTISTRY AND HOSPITAL DENTISTRY

- Treat patients with a broad variety of acute and chronic system disorders and health disparities including patients with special needs.
- Provide control of pain and anxiety through the use of behavior management techniques, local anesthesia, and nitrous oxide conscious sedation techniques.
- Provide dental treatment in an operating room.
- Provide comprehensive management and care for inpatients or same-day surgery patients.

ORAL AND MAXILLOFACIAL SURGERY AND MEDICAL AND DENTAL EMERGENCIES

- Treat patients with uncomplicated intra-oral emergencies and infections.
- Evaluate and initially manage patients with extra-oral and complex intraoral emergencies and infections.
- Evaluate, diagnose, and manage oral mucosal lesions.
- Perform biopsies of oral tissues.
- Perform simple and uncomplicated surgical extraction of teeth.
- Perform extraction of uncomplicated impacted wisdom teeth.
- Recognize the manifestations of systemic disease and how the disease and its management may affect the delivery of dental care.
- Evaluate and manage intra-oral hard and soft tissue lesions of traumatic origin.

MANAGEMENT OF ORAL AND FACIAL PAIN

- Understand the contributing social, physical, and psychological factors associated with temporomandibular disorders and oral facial pain.
- Assess and manage patient's oral and facial pain.
- Diagnose and non-surgically treat uncomplicated temporomandibular disorders.

RESTORATIVE DENTISTRY AND PROSTHODONTICS

- Restore teeth using a functionally acceptable range of materials and methods, taking into account risk management and individual needs.
- Treat patients with missing teeth requiring removable restorations.
- Treat patients with missing teeth requiring fixed restorations.
- Understanding the indications, evaluate, and treat patients with missing teeth using uncomplicated dental implant restorations.

ENDODONTICS

- Diagnose and treat pain of pulpal origins.
- Perform nonsurgical endodontic therapy on single and multi-rooted teeth.
- Treat uncomplicated endodontic complications.

PEDIATRIC DENTISTRY

- Understand and apply eruption and exfoliation sequence, infant oral health guidelines, anticipatory guidance, and management of the developing dentition.
- Provide age-appropriate treatment plans.
- Appropriately modify drug dosages for pediatric patients (including local anesthetics, antibiotics, analgesics, and fluoride).
- Restore intra- and extra-coronal defects in the primary dentition.
- Perform pediatric pulpal therapy.

PERIODONTICS

- Diagnose & treat early and moderate periodontal disease using surgical and nonsurgical procedures.
- Diagnose and manage advanced periodontal disease.
- Evaluate the results of periodontal treatment and establish and monitor a periodontal maintenance program.

ROTATIONS

ANESTHESIA

During this 4-week rotation, the resident gains experience in induction of general anesthesia, airway management, intubation, IV sedation, and patient monitoring. The resident works one-on-one with a Certified Registered Nurse Anesthetist in the main operating room suites of the hospital.

GENERAL DENTISTRY

This rotation provides residents with an incredible educational opportunity to plan treatment and provide comprehensive dental care to patients with complex medical and dental disease. The clinic is staffed by experienced general dentists and specialists dedicated to teaching.

The rotation includes advanced experience in all aspects of dentistry including: Prosthodontics, Pediatric Dentistry, Endodontics, Periodontics, and management of patients with TMD and Craniofacial Pain. As part of this rotation, residents are assigned to the operating room with General Dentistry and Pediatrics.

EMERGENCY MEDICINE

One week is spent in the Emergency Department observing and assisting in the management of various medical emergencies, including allergic reactions, acute MI, cardiac arrest, and trauma. The resident will spend one evening riding along in an ambulance.

MEDICINE

During this 2-week rotation the resident will be part of an internal medicine team. They will have the opportunity to observe the physical manifestations of various diseases. The resident will also gain experience taking medical histories and doing physical examinations.

ORAL AND MAXILLOFACIAL SURGERY

The resident will gain experience doing routine extractions, third molar extractions, biopsies of soft tissue lesions, pre-prosthetic surgery, and managing odontogenic infections. In addition, the residents assist in the Operating Room with treatment of maxillofacial trauma, odontogenic infections, and orthognathic surgery.

CONFERENCES & RESEARCH

In addition to clinical experience and hospital rotations, residents will be participating in a variety of courses and seminars throughout the residency year. The courses and seminars supplement the clinical experience in order to assure that the program's purpose and objectives are achieved. Residents are required to attend didactic lectures on dental traumatology, maxillofacial trauma, prosthodontics, implants, intravenous sedation, dental office

emergencies, and management and treatment of pediatric and medically compromised patients. Endodontic and periodontic consultants lecture, demonstrate, and supervise clinical procedures on a regular basis.

Residents are also required to attend a History and Physical course given at the University of Minnesota. They may attend several CE courses outside the facility as part of their curriculum.

Residents may elect to complete the curriculum required for conscious sedation certification in the State of Minnesota but are not guaranteed this unless they are completing a 2nd year.

EVALUATIONS

Residents are evaluated based on the program competencies listed, as well as general attributes such as clinical judgment, team work, patient management skills, professionalism, and patient centered care.