



UNIVERSITY OF DETROIT MERCY SCHOOL OF DENTISTRY

AEGD COURSE DESCRIPTIONS YEAR 1

The AEGD curriculum is designed to meet program goals and objectives and to lead to the development of program competencies by providing both didactic and clinical learning opportunities to residents. This document provides descriptions of program courses which are correlated to overall program goals as indicated. Please refer to AEGD 1 term schedules for timing of courses in the program.

COURSE AND SEMINAR DESCRIPTIONS:

Advanced General Dentistry Seminar

The goal of this course is to cover a broad range of topics related to general dentistry and to provide information that will help residents develop skills in providing comprehensive patient-centered oral health care for their patients. It will focus on clinical care as well as practice management, information technology, ethical decision making, advanced treatment modalities and community service. This course will address issues of patients with special needs and understanding complex medical conditions and their effect on dental care. It will cover treatment planning and sequencing and will stress the role of oral health care providers and acting in a team approach to promote prevention of disease and total body health. This is a yearlong course which will also address disciplines of general dentistry that are not represented in other program courses including endodontics, prosthodontics, pediatric dentistry, orthodontics, emergencies, oral medicine, oral pathology, oral surgery, therapeutics, pharmacology, esthetic dentistry, preventive dentistry, dental materials and laboratory procedures. Guest lecturers who are experts in these disciplines will be utilized for many lectures.

Residents will participate in Oral Pathology Seminar with Ascension OMFS residents. The first half of the year will focus on learning the basics of surgical pathology/oral & maxillofacial pathology. These initial sessions will have a lecture at the beginning followed by related clinicopathologic cases. During the second half of the year, each session will be strictly clinicopathologic cases with some sessions incorporating a literature review as needed. These cases will allow the resident to develop clinical and radiographic differential diagnosis skills, understand what various pathologic processes look like microscopically, comprehend how the microscopic appearance of these pathologies and the clinical/radiographic changes are related, and discuss treatment options.

This portion of the curriculum provides time for patient care and treatment planning conferences. Residents present patient cases they are currently treating. Residents will take clinical photographs and provide case histories and review pertinent literature prior to presentation. Presentations will focus on diagnosis, treatment planning, progress of clinical treatment and treatment outcomes. Specific aspects of the case may be assigned by the program director such as ethics, patients with



special needs, health promotion/disease prevention, aspects of practice management or use of an advanced treatment modality. *This seminar supports AEGD program goals 1, 2, 3, 4.*

Advanced Periodontics Seminar

The goal of this course is to focus on the clinical periodontal literature related to periodontal examination, diagnosis, prognosis and treatment including surgical and non-surgical therapy and implant dentistry. Residents will be required to read background material for each session which will then be discussed and moderated by the course director. While the sessions will predominately use clinical slides in somewhat of a lecture format, residents are encouraged to actively participate in the discussions. *This seminar supports AEGD program goals 1, 2, 3.*

Evidence-Based Dentistry Seminar

This course provides residents with information regarding the role of scientific inquiry and evidence in clinical decision making and includes literature reviews and discussion regarding clinical topics. Methods of scientific inquiry, the role of science versus experience in clinical dentistry, ways to conduct literature reviews and collect evidence and guidelines for the assessment of the quality of published articles will be discussed. The importance of life-long learning will be emphasized. Residents will conduct literature reviews and lead discussions related to topics representing many aspects of clinical dentistry and oral health care delivery. *This seminar supports AEGD program goals 1, 2.*

Head and Neck Anatomy Seminar

The goal of this course is to study the structure and function of the tissues of the human head and neck. The course assumes the residents will have basic knowledge of human anatomy however the following areas will receive special emphasis in this course: the skull, injection sites, the muscles of mastication and of facial expression, cranial nerves, the oral cavity with emphasis on its neurovascular supply, submandibular space, pharynx, autonomic nervous system as it pertains to the face, lymphatic drainage of facial structures and spread of infection and fascial planes. This course will also give residents the opportunity to place implants in cadaver heads as a hands-on experience prior to clinical experiences. *This seminar supports AEGD program goals 2.*

Dental Management of Medically Compromised Patients Seminar

This course will provide residents with information regarding oral medicine with a focus on current issues affecting the practice of dentistry, including the needs of underserved populations who are medically complex. The importance of life-long learning will be emphasized. Residents will conduct literature reviews of topics in oral medicine that have relevancy to clinical dentistry and oral health care delivery. Most discussions will be case based and a review of patients currently receiving care in the AEGD clinic. The residents will present the conclusions in a seminar and participate in discussions facilitated by the course directors. *This seminar supports AEGD program goals 1, 2, 3, 4.*

Periodontal Case Review

This portion of the curriculum provides time for residents to present patient cases they are currently treating with an emphasis on periodontal therapy and/or advanced treatment modalities. Resident case presentations include clinical photographs, medical and dental histories, clinical data, diagnosis, treatment planning and treatment outcomes. Residents are required to include relevant scientific literature in these presentations to support treatment planning and treatment techniques. Residents are encouraged to lead discussions during the presentations. *This supports AEGD program goals 1, 2, 3, 4.*

Ethics and Professional Responsibility

The purpose of this seminar is to review ethical concepts as a foundation and resource for an ethical decision-making model that applies ethical principles to frequently encountered dilemmas in private practice, specifically within dental specialties and general practice. In addition, legal principles including tort, contract and regulatory concepts are introduced and discussed to enhance the resident's understanding of their application to resolving or responding to issues encountered in private practice, education, and research. Dilemmas analyzed and discussed will include those related to the academic environment, research, patient care and practice management. Current issues impact general dentistry and specialty practice are highlighted. *This supports AEGD program goals 1, 2, 3, 4.*

TMJ Lecture Series

This lecture series will present the resident with an overview of current-day philosophy regarding the diagnosis and management of temporomandibular dysfunction problems. Included in this series will be information regarding TMJ anatomy, evaluation, etiologic factors, and diagnosis. In addition, management of muscle and intracapsular disorders, non-odontogenic tooth, neurovascular and neuropathic pain will be discussed. This series will finish with recommendations on how and when to refer as well as case presentations to demonstrate possible modalities of treatment. *This supports AEGD program goals 1, 2.*