



SCHOOL OF DENTISTRY

AEGD Program - Course Descriptions

Year 1

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** - *supports AEGD program goals 1, 2, 3, 4, 5, 6 and 7.*

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, ethics, 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 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.

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.

- **Advanced Periodontics Seminar** - *supports AEGD program goals 1, 4 and 5.*

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.

- **Evidence-Based Dentistry Seminar** - *supports AEGD program goals 3, 4, 5 and 6.*

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.

- **Head and Neck Anatomy Seminar** - *supports AEGD program goals 1 and 4.*

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.

- **Dental Management of Medically Compromised Patients Seminar** - *supports AEGD program goals 1, 2, 3, 4, 5 and 6.*

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.

- **Oral Pathology Seminar** - *supports AEGD program goals 1, 2, 4 and 5.*

Residents will learn how to critically evaluate the literature while determining the differential diagnosis, definitive diagnosis, management of oral lesions and systemic conditions affecting dental medicine. This seminar incorporates lectures and resident case presentations.

- **Periodontal Case Presentation** - *supports AEGD program goals 1, 2, 4 and 5.*

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.