

# ADVANCED EDUCATION IN GENERAL DENTISTRY (AEGD)

The AEGD program is a one-year experience with a major emphasis in clinical general dentistry designed to provide the resident with training beyond that received in the pre-doctoral curriculum.

Formal courses, seminars and literature review, as well as one week of "on call" per month, enhance the resident's ability to handle dental and medical emergencies encountered in everyday practice.

The AEGD program provides the resident the opportunity to deliver the highest quality of comprehensive dental care to the broadest range of the population with a knowledge, comfort, and ease in treating the high risk patient and under-served segment of the population including: HIV/AIDS, medically compromised, physically handicapped, and geriatric populations with considerable experience in implantology and full mouth rehabilitation.

The AEGD program enables the resident to become proficient in diagnosis and treatment planning for the more challenging and complex cases to identify and treat many medical and/or dental emergencies encountered in every day dental practice. The AEGD program introduces the resident to the basic concepts of hospital dentistry and help them interact with their medical colleagues and other health care providers to integrate medical and dental

## Goals and Objectives

- To provide the residents with the didactic knowledge and clinical experience to deliver multi disciplinary comprehensive oral health care to a wide range of the population beyond the level of predoctoral education. (This includes providing community services through the management of the medically and/or immunocompromised patient, the physically handicapped patient, as well as the geriatric and the under served segment of the population.)
- Enable the residents to identify and treat the most common medical and/or dental emergencies encountered in every day dental practice.
- To develop in the residents the values of professional ethics, and acceptance of cultural diversity in the practice of dentistry.
- To develop the skills of self evaluation and critical thinking.
- To provide the residents with experience to improve their ability to interact, function and communicate effectively with other health care professionals in the delivery of comprehensive treatment.
- To encourage the resident to continue the process of life long learning through continuing education, professional meetings, and review of literature.
- To provide the residents with training in patient, practice and risk management in order to manage a private dental practice.

## Admission

Information about admission to the AEGD Program (<http://dental.case.edu/aegd>) can be found on the School of Dental Medicine website.

The didactic component of the AEGD program is conducted in both the formal courses as well as the departmental seminars.

## Formal Courses

- Management of Medical Emergencies

- Pharmacology
- Orthodontic
- Interdisciplinary Seminars
- Occlusion
- Correlative Medical Sciences

## Seminars

- Literature review
- Case Presentation
- Endodontics
- Periodontics
- Oral Surgery
- Implantology
- Oral Diagnosis and Treatment Planning
- Preventive Dentistry
- Pain and Anxiety Control in the Conscious Patient
- Geriatric Dentistry
- Special Care Patients including the Medically Compromised
- Asepsis and Infection Control
- Pediatric Dentistry
- Operative Dentistry
- Fixed and Removable Prosthodontics
- Oral Medicine
- Practice Management

## Clinical Component and Rotations

Month	Resident #1	Resident #1	Resident #3
August	Clinic - Geriatrics	Clinic	Clinic
September	Clinic - Geriatrics/ Pediatrics	Clinic	Clinic
October	Clinic - Geriatrics/ Pediatrics	Clinic	Clinic
November	Clinic - Pediatrics	Clinic - Geriatrics	Clinic
December	Clinic	Clinic - Geriatrics/ Pediatrics	Clinic
January	Clinic	Clinic - Geriatrics/ Pediatrics	Clinic
February	Clinic	Clinic - Geriatrics/ Pediatrics	Clinic
March	Clinic	Clinic - Geriatrics	Clinic - Geriatrics/ Pediatrics
April	Clinic	Clinic	Clinic - Geriatrics/ Pediatrics
May	Clinic	Clinic	Clinic - Geriatrics/ Pediatrics
June	Clinic	Clinic	Clinic - Geriatrics

## Service: Pediatric Rotation

- Length of Rotation or Experience (in weeks): 12
- Number of Hours per week: 4

Objectives:

1. To provide residents with both clinical and didactic training in pediatric dentistry beyond that received in the pre-doctoral curriculum.

2. To improve the resident's ability in diagnosis, treatment planning, oral examination, and physical evaluation of the pediatric patient.
3. To improve the resident's ability to use non-pharmacologic management techniques to appropriately manage and guide the behavior of the child patient to accept needed treatment and to provide advice or guidance to the parent to enhance the child's acceptance.
4. To assist the resident in developing a working knowledge of preventive and corrective dental procedures relating to the growth and development of the stomatognathic system.
5. To increase both the confidence and competence of residents in meeting the general oral health needs of the pediatric patient.

### Service: Geriatric Dentistry

- Length of Rotation or Experience (in weeks): 16
- Number of Hours per week: 8

Objectives:

1. See the variability of patient disability/ability/cognitive impairment in a diverse patient population.
2. Apply the principles of rational treatment planning to patients with limited access to dental care.
3. Practice behavioral management techniques for patients who are uncooperative.
4. Learn how to manage institutionalized patients and coordinate care with staff of the long-term care facilities.
5. Know how to deal with treatment of patients who cannot give informed consent.
6. Realize how much dental care is needed by older patients, and you will know what a significant positive impact that your work can have on the quality of life of older individuals.
7. Become a patient, empathetic caregiver.

### Plan of Study

First Year	Units	
	Fall	Spring
Multidisciplinary Seminar (DENT 698)	0 - .5	
Clinical Pharmacology (DENT 550)	0 - 1	
Behavioral Considerations in Oral Health Care (DENT 518)	0 - 1	
Management of Medical Emergencies (DENT 555)	0 - 1	
AEGD Residency Training (DENT 699)	1 - 8	
Correlative Medical Science (DENT 502)		0 - 2
Multidisciplinary Seminar (DENT 698)		0 - .5
AEGD Residency Training (DENT 699)		1 - 8
Year Total:	1-11.5	1-10.5
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Total Units in Sequence:	2-22	