

# Curriculum Goals and Objectives

## Operative Dentistry

1. Residents shall gain an understanding and demonstrate proper restorative technique and selection.
2. Residents shall gain an understanding and demonstrate proper material selection and handling.
3. Residents shall learn how to modify restorative treatment plans as a result of unexpected circumstances or patient individual needs.
4. Residents shall gain clinical efficiency with regard to time, speed and dental auxiliary utilization.
5. Residents shall gain an understanding of proper restoration of endodontically treated teeth.

## Restoration of the Edentulous Space

1. Residents shall gain an understanding of treatment of patients with missing teeth requiring fixed prosthetics.
2. Residents shall gain an understanding and demonstrate basic principles in fixed prosthodontics, including proper tooth preparation/design.
3. Residents shall gain an understanding of and demonstrate appropriate material selection and its limitations and usage.
4. Residents shall gain an understanding of appropriate RPD designs.
5. Residents shall treat patients with missing teeth requiring removable restorations including full and partial dentures.
6. Residents shall learn how to communicate case design with laboratory technicians and evaluate the resultant prostheses.
7. Residents shall learn how to treatment plan complex fixed and removable cases including exposure to alternate treatment modalities.

## Periodontics

1. Residents shall gain clinical experience in treating gingivitis, early, moderate, severe and refractory periodontitis.
2. Residents shall gain clinical experience in initial periodontal therapy techniques consisting of root planing and scaling.
3. Residents shall gain experience in treatment planning advanced periodontal therapies.
4. Residents shall assist or perform various periodontal surgical techniques and to be exposed to different treatment philosophies.

## **Endodontic Therapy**

1. Residents shall perform nonsurgical root canal treatment on anterior teeth.
2. Residents shall perform nonsurgical root canal treatment on posterior teeth.
3. Residents shall be exposed to endodontic retreatment techniques.
4. Residents shall demonstrate competence in evaluating endodontic pathology via radiographs, CBCT, electric pulp testing and clinical diagnostic testing.
5. Residents shall be exposed to treatment planning surgical endodontic procedures.

## **Oral Surgery**

1. Residents shall gain an understanding of treatment planning uncomplicated and complicated oral surgical procedures.
2. Residents shall gain the ability to assess and manage the medically compromised patient.
3. Residents shall gain an understanding as to when to request a medical consultation in addition to learning how to communicate with the medical community with regard to patient medical compromise and treatment modifications based on that compromise.
4. To become knowledgeable as to the scope of the specialty by exposure to complicated surgical procedures.
5. To gain confidence to perform routine dentoalveolar procedures in the office.
6. To be able to admit patients, write orders, ask for proper consults and be comfortable performing dentistry in the operating room.
7. Residents shall gain the ability to perform uncomplicated oral surgical procedures.

## **Evaluation and treatment of dental emergencies**

1. To recognize, anticipate and manage emergency problems related to the oral cavity.
2. To differentiate between those symptoms arising from disease of dental origin and those arising from other tissues using proper diagnostic tests.
3. When potential or actual pulpal pathosis has been identified, the resident should be able to determine its probable cause, determine its severity, select and execute the proper treatment regimen.

4. To gain the skill and knowledge to **recognize, anticipate and manage** primary care for acute infection of dental origin.
5. To gain the skill and knowledge to **recognize, evaluate, and manage** primary care of acute oral pathological conditions.
6. To gain the skill and knowledge to **recognize, evaluate and manage** traumatic injuries to the oral cavity and dentoalveolar structures.

### **Pain and anxiety control utilizing behavioral and/or pharmacological techniques**

1. To properly manage the anxious patient (using a stress reduction protocol).
2. To use behavioral and pharmacological modalities beyond local anesthesia.
3. To understand how to use **oral** premedication for the anxious patient.
4. To properly use **inhalation** nitrous oxide analgesia.
5. To understand the use of **IV** sedation.
6. To properly use local anesthesia technique.

### **Medical Emergencies**

1. To gain knowledge and/or skill to review a medical history to recognize factors which predispose a patient to systemic emergency during dental treatment.
2. To gain skill and/or knowledge to anticipate systemic emergencies by preoperative evaluation and management.
3. To gain knowledge and/or skill to manage the primary systemic abnormalities in a patient with a medical emergency.
4. To gain knowledge and/or skill to manage a patient's respiration and/or circulation when required because of systemic collapse.
5. To gain knowledge and/or skill to evaluate and manage seizure and sudden loss of consciousness in a patient.
6. To gain knowledge and/or skill to manage allergic reactions encountered in the course of dental treatment.
7. To gain knowledge and/or skill to manage proper wound debridement and wound closure.
8. To gain knowledge or skill to manage dental and alveolar fractures as well as the initial management of fractures of facial bones.

### **Implants**

1. Residents shall understand and/or gain knowledge in the treatment planning and management of dental implant placement.
2. Residents shall learn how to manage the surgical aspects of implant placement.
3. Residents shall learn how to manage the prosthetic restoration of implants.

### **Oral Mucosal Diseases**

1. To recognize and manage diseases of the soft tissues.
2. To perform and/or manage biopsies of oral tissues and follow up with the patient when the results are confirmed and make appropriate referrals.

### **Temporomandibular Disorders and**

1. To recognize and **manage** temporomandibular disorders.

### **Orofacial pain**

1. To recognize and **manage** typical orofacial pain.
2. To recognize and **manage** atypical orofacial pain.

### **Occlusal Disorders**

1. To diagnose and **manage** a patient's occlusion.
2. To gain the knowledge of current concepts of occlusal relationships including centric relation and centric occlusion.
3. To gain the knowledge to **manage** anterior guidance and posterior disclusion in function.
4. To gain the knowledge to **manage** treatment modalities including occlusal splint therapy and occlusal equilibration.
5. To gain the knowledge to **manage** of the proper mounting of models and its value.

### **Consultations**

1. To provide dental care as a part of an interprofessional healthcare team such as that found in a hospital.
2. To use proper hospital protocol when treating and managing patients in a hospital environment.

3. To perform dental consultations and request medical consultations for hospitalized patients and patients in other health care settings.
4. To request and respond to requests for consultations from physicians and other health care providers.
5. To understand and utilize an inpatient hospital chart and to coordinate the dental treatment with other departments in the hospital.

### **Physical Evaluation and Medical Evaluation**

Formal instruction in physical evaluation and medical assessment is provided, including:

1. Taking, recording, and interpreting a complete medical history.
2. Understanding the indications of and interpretations of laboratory studies and other techniques used in the diagnosis of oral and systemic diseases.
3. Understanding the relationship between oral health care and systemic diseases.
4. Interpreting the physical evaluation performed by a physician with an understanding of how it impacts on proposed dental treatment.

### **The PROGRAM provides instruction in Practice Management**

1. Instruction in the principles of practice management including the management of allied dental professionals and other office personnel.
2. Instruction in starting a practice.
3. Instruction in maintaining a practice.
4. Instruction in becoming an associate.
5. Instruction in business management and practice development.
6. Knowledge and experience in performance improvement (quality management).
7. Instruction in risk management.

### **Hospital Organization**

#### **The PROGRAM**

1. Provides student/residents with an understanding of hospital organization, functioning, and credentialing process.
2. Provides an opportunity to interact with other health professionals.
3. Provides an understanding of consultations of a dental origin.

4. Provides an understanding of the application process and experience in hospital-based records.

### **Inpatients or same-day surgery patients:**

The **PROGRAM** provides the resident with training and experience in the management of inpatients or same-day surgery patients, including:

1. Reviewing medical histories and physical examinations.
2. Prescribing treatment and medication.
3. Providing care in the operating room.
4. Preparing the patient record, including notation of medical history, review of physical examination, pre- and post-operative orders, and description of surgical procedures.

### **Other:**

The **PROGRAM** provides

1. Structured patient care conferences held at least twelve (12) times a year.
2. Students/Residents assignments that require critical review of relevant scientific literature.
3. develop overall program goals and objectives that emphasize:
  - a) general dentistry,
  - b) student/resident education,
  - c) patient care, and
  - d) community service
  - e) training students/residents to provide oral health care in a hospital setting.

### **Ethics and Professionalism**

1. To demonstrate the application of the principles of ethical reasoning, as they pertain to the academic environment, research, patient care, and practice management.
2. To demonstrate the application of the principles of ethical decision making as they pertain to the academic environment, research, patient care, and practice management.
3. To demonstrate the application of the principles professional responsibility as they pertain to the academic environment, research, patient care, and practice management.

## **Orthodontics**

1. Diagnose malocclusions
2. Gain knowledge of interceptive treatment
3. Gain knowledge of orthodontic preventive treatment
4. Gain knowledge of corrective treatment
5. Gain knowledge of removable (ortho) appliances
6. Gain knowledge of fixed (ortho) appliances