

Introduction and Overall Goals and Objectives of the General Practice Residency Program

The General Practice Residency in Dentistry is an educational program designed to provide clinical, didactic, and hospital experience at the postdoctoral level.

The overall goals and objectives of the one year program prepares residents to:

- (1) Manage total oral health care by providing instruction and experience in the delivery of care to a wide range of ambulatory and hospitalized patients.
- (2) Understand the relationship between oral and systemic diseases, to develop the ability to function in the hospital environment with other health professionals, and to pursue areas of interest under close supervision of attending staff.
- (3) Refine and advance knowledge and clinical skills in the practice of dentistry.
- (4) Understand the process of self-assessment and peer review. (Quality/Performance Improvement)
- (5) Participate in Community Outreach activities, such as health fairs, school or community based oral health education programs, etc.

The overall goals and objectives of the second year option prepares residents to:

- (1) Gain continuing, in-depth experience and proficiency in many of the first-year goals and objectives, including medical assessment of patients.
- (2) Gain experience and develop confidence in the teaching and supervision of first-year postgraduate general practice residents in preparation to assume a future role as clinical faculty
- (3) Gain experience and develop confidence in hospital-based dental administration
- (4) Explore a specialty service of choice.

The goals and objectives of the General Practice Residency are accomplished through the means:

- (1) Seminars, lectures, conferences, journal and video clubs, and other didactic activities.
- (2) Ongoing patient care evaluation with review of patient charts, treatment planning, management, and complications.
- (3) Rounds of hospitalized patients.
- (4) Management and treatment of patients in outpatient, inpatient and/ or ambulatory surgery environments, along with rotations through hospital services and designated elective time(for 2nd year resident).

The educational program consists of both clinical and didactic aspects. The clinical training is designed to provide experience with procedures accepted as good clinical practice. Residents will be given the opportunity to treat adults and children with increasingly complex problems, such as patients with systemic disorders (incl. psychiatric), and other special needs.

**Goals and Objectives by disciplines/clinical areas
for adults and children**

- Patient assessment and diagnosis
- Restoration of Teeth
- Promotion of oral and systemic health and disease prevention
- Pulpal therapy
- Hard and soft tissue surgery
- Replacement of teeth utilizing fixed and removable appliances, including occlusal disorders and dental implants
- Anesthesia
- Pain and anxiety control (including sedation)
- Medical risk assessment
- Emergency dental care
- Emergency Medicine
- Dental inpatient/Same day surgery/Ambulatory surgery Care
- Applied pharmacology
- Hospital organization and function
- Oral pathology
- Planning and providing comprehensive multidisciplinary oral health care
- Practice management
- Primary Care Medicine
- Risk Management
- TMJ disorders/orofacial pain

DISCIPLINE/SUBJECT AREA: Patient assessment and diagnosis

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- integrate medical and dental histories
- perform proper regional exam of the Head and Neck
- conduct physical examination
- take and record vital signs
- recognize the presence of pathology
- order and interpret oral radiographs
- determine patient diagnosis
- recognize the need for specialty referral
- develop comprehensive treatment plans

DISCIPLINE/SUBJECT AREA: Restoration of teeth

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- improve clinical skills, speed and judgement
- experience and utilize current techniques and materials
- become more proficient in performing restorative procedures
- confirm the utilization of varied restorative approaches based on an understanding of a desired clinical outcome

DISCIPLINE/SUBJECT AREA: Promotion of oral and systemic health and disease prevention

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- understand the importance of preventive oral health
- understand the importance of preventive systemic health, ie tobacco cessation, diet
- demonstrate the effects of proper oral hygiene
- motivate the patient in preventive aspects of dental caries and periodontal disease
- instruct patients to accept responsibility for their oral health

DISCIPLINE/SUBJECT AREA: Pulpal therapy

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- to review and update basic endodontic principles
- to advance learned skills and techniques in endodontic therapy
- to develop an increased expertise in the treatment of multi-rooted teeth
- diagnose and manage emergency situations
- understand the indication for endodontic surgery
- diagnose and manage dental infections

DISCIPLINE/SUBJECT AREA: Hard and Soft Tissue Surgery

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- enhance hard and soft tissue surgical skills and techniques recognized as being commonly and routinely performed by the general practitioner
- reinforce learning in diagnosis, emergency care and their application to hard and soft tissue surgery
- provide emergency treatment for acute dentoalveolar/ gingival/ periodontal diseases
- evaluate the patient with orofacial trauma
- diagnose and manage oral infections
- recognize pathological lesions
- diagnose orofacial trauma
- conduct an extensive and comprehensive intra-oral hard and soft tissue examination, including the periodontium
- provide effective postoperative care, follow-up and maintenance
- understand the relationship of restorative dentistry to intra-oral hard and soft tissues

DISCIPLINE/SUBJECT AREA: Replacement of teeth utilizing fixed and removable appliances

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- improve and refine his/her present skills and familiarize himself/herself with new techniques in the areas examination, diagnosis, treatment planning and problem solving
- reinforce the resident's skills in tooth preparation, temporization and impression techniques
- reinforce the resident's skills in full/ partial removable denture design, tooth preparation and impression techniques
- reinforce the resident's understanding and skill in the diagnosis, treatment planning and restoring of dental implants
- understand the importance of soft tissue management
- have an expanded understanding of occlusion and occlusal forces including restoring vertical dimension and use of transitional appliances.
- provide effective written and verbal communication with the dental laboratory
- improve/refresh their ability to reline/ rebase utilizing hard and soft line material
- use current dental materials

DISCIPLINE/SUBJECT AREA: Anesthesia

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- receive "hands on" patient care as an active participant in the delivery of the general anesthetic component of a surgical effort under direct supervision
- enhance the residents knowledge and experience in this hospital based discipline and be able to perform the anesthetic procedure with qualified supervision
- receive training in the use, applications and administration

of various pharmacologic agents associated with local, regional and general anesthetic procedures and assess their effects

- gain experience in anesthetic induction, intubation and extubation procedures
- gain experience in venipuncture techniques
- gain experience in airway management
- become familiar with the use and applications of various machines, disposable and accessory monitoring devices employed in anesthesiology in patient monitoring
- become familiar with the preoperative evaluation of the patient about to undergo the anesthetic procedure
- become familiar with the post-operative care of these patients in the recovery room
- experience anesthetic emergencies and/ or ways to prevent them

DISCIPLINE/SUBJECT AREA: Pain and Anxiety Control

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- become familiar and comfortable with the various modalities utilized, including local anesthesia, behavior management, N2O, inhalation analgesia and conscious/ deep sedation and general anesthesia
- perform a pre-operative evaluation of the patient's needs for anxiety management
- determine the need and request for consultation with other medical staff personnel, when necessary
- gain experience in the overall management of the anxious patient
- become familiar with the pharmacological agents used in pain and anxiety control
- perform histories and physical examinations
- develop a medical risk assessment
- provide dental care in outpatient and operating room venues
- dictate an operative report
- learn one's limitations and make appropriate referrals

DISCIPLINE/SUBJECT AREA: Medical Risk Assessment

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- obtain an accurate medical history
- perform a physical examination
- order and interpret laboratory data
- recognize significant deviations from normal
- interpret the medical record, evaluate the patient's medical status, make a medical risk assessment(ASA classification) and appreciate the need for consultation when necessary prior to beginning treatment
- learn management of a medical emergency

DISCIPLINE/SUBJECT AREA: Emergency Dental Care

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- gain experience in the diagnosis and treatment of odontogenic and non-odontogenic emergency problems related to the oral and maxillofacial region
- enhance skills and knowledge to diagnose and manage acute infections, oral pain and traumatic injuries to dental and maxillofacial structures.
- determine if admission is necessary
- perform wound debridement and suturing
- perform dentoalveolar surgery

DISCIPLINE/SUBJECT AREA: Emergency Medicine

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- recognize deviations from normal health status that may affect dental management.
- recognize common medical emergencies i.e. seizures, allergic reactions, cardiac arrest, syncope, asthma, etc.
- utilize techniques of inspection, palpation, percussion, auscultation
- become familiar with the operation of an emergency room
- gain insight into how acutely ill patients are managed
- gain experience in the management of head and neck trauma including wound debridement and suturing
- apply BLS when necessary

DISCIPLINE/SUBJECT AREA: Inpatient/Same-day Sx/Amb Sx Care

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- admit and discharge patients
- manage inpts., same-day sx, amb sx pts
- obtain medical histories and perform physical examinations
- provide routine daily inpatient care
- maintain a hospital chart, including pre-and post operative notes and orders, discharge notes
- participate in daily rounds

DISCIPLINE/SUBJECT AREA: Applied Pharmacology

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- develop and expand his/her knowledge of pharmacological therapies routinely used in dental medicine
- develop a knowledge of the indications, contraindications, adverse reactions and possible drug antagonistic and synergistic interactions
- use references such as online or PDR resources as pertaining to medications and other pharmacologic agents

DISCIPLINE/SUBJECT AREA: Hospital Organization

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- understand the role of the dental service in the hospital environment
- understand the chain of command and table of organization within the hospital
- understand the responsibilities of the hospital dentist
- gain sufficient understanding of the hospital management structure, enabling one to become a member of the hospital medical /dental staff

DISCIPLINE/SUBJECT AREA: Oral Pathology

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- reinforce and supplement their knowledge of oral pathology
- learn a systematic approach in formulating a differential diagnosis for primary oral lesions and the oral manifestations of systemic diseases

DISCIPLINE/SUBJECT AREA: Ambulatory Sx/ Same-day Sx/ O.R.

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- admit and discharge patients
- maintain an inpatient/ same day / ambulatory surgery chart
- utilize medical history and perform physical exam, if necessary
- interpolate med hx, lab data and physical exam findings
- know O.R. protocol
- develop pre-op skills
- perform dental procedures in the O.R.
- develop post-op management skills
- dictate an Operative Report

DISCIPLINE/SUBJECT AREA: Inpatient/Same-day Sx/Amb Sx Care

- admit and discharge patients
- manage inpts., same-day sx, amb sx pts
- obtain medical histories and perform physical examinations
- provide routine daily inpatient care
- maintain a hospital chart, including pre-and post operative notes and orders, discharge notes
- participate in daily rounds

DISCIPLINE/SUBJECT AREA: Planning and providing comprehensive multidisciplinary oral health care

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- present clinical findings
- present radiographic findings
- interpret radiographs
- develop alternative treatment plans
- integrate multiple disciplines of dentistry
- develop comprehensive treatment plans
- recognize the need for specialty referral
- provide broad scope of general dentistry
- understand relationship of oral and systemic diseases when providing dental care

DISCIPLINE/SUBJECT AREA: Practice Management

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- move into the private practice and/ or academic sector
- understand medical malpractice coverage
- understand practice options
 - associate
 - partnership
 - solo practice
 - group practice
 - location of practice
- understand office finances
 - capital for setting up a new office
 - operating costs
 - equipment costs and options
 - liability insurance
 - insurance coverages and third party nomenclature
 - staffing
- understand need for life and disability insurance
- investments for the professional

DISCIPLINE/SUBJECT AREA: Primary Care Medicine

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- Refine skills in medical assessment
- Further develop diagnostic skills learned in physical diagnosis course
- Relate the basic sciences to medical treatment
- Attain increased understanding of the interrelationship between medical and dental health
- Attain an increased understanding of the indications for and interpretation of laboratory studies and other techniques used in the diagnosis of systemic disease.
- Become familiar with common pharmacological agents and their use

- Become more familiar with the techniques of physical examination: inspection, palpation, percussion, and auscultation

DISCIPLINE/SUBJECT AREA: Risk Management

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- understand risk management in providing care
- understand general consent
- understand informed consent
- recognize the need for complete and legible documentation of the patient medical record
- understand medico-legal issues, including malpractice

DISCIPLINE/SUBJECT AREA: TMJ disorders/orofacial pain

Objectives/Outcomes of Training: Instruction in this discipline will enable the resident to:

- understand and provide non-surgical management of TMJ disorders, including anatomical and myofacial components there of
- understand the relationship of occlusion to TMJ health
- understand and construct night guards
- manage acute TMJ/orofacial pain with palliative measures, including use of pharmacological agents