

RESIDENT TRAINING GOALS AND OBJECTIVES

STATEMENTS

Evaluation and treatment of dental emergencies

- **Recognize, anticipate and manage emergency problems related to the oral cavity.**
- **Differentiate between those symptoms arising from disease of the pulp and those arising from other tissues using proper diagnostic tests.**
- **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**
- **Gain the skill and knowledge to recognize, anticipate and manage primary care for acute infection of oral origin**
- **Gain the skill and knowledge to recognize, evaluate, and manage primary care of acute oral pathological conditions**
- **Gain the skill and knowledge to recognize, anticipate and manage primary care of hemorrhage of the oral cavity,**
- **Gain the skill and knowledge to recognize, evaluate and manage traumatic injuries to the dentoalveolar structures**

Periodontal therapy

- **Have an advanced knowledge of periodontal treatment planning and its interrelationship with restorative dentistry.**
- **Treatment plan complex periodontal cases**
- **Diagnose and treat early and moderate periodontal disease using non-surgical and surgical procedures.**
- **Manage advanced periodontal disease.**
- **Evaluate the results of periodontal treatment and establish and monitor periodontal maintenance program.**
- **Manage the surgical component of dental implant system**

Operative Dentistry

- **Understand and demonstrate proper restorative technique and selection.**
- **Understand and demonstrate proper material selection and handling**

- Be able to modify restorative treatment plans as a result of unexpected circumstances or the patient's individual needs.
- Place Complex restorations and perform techniques to enhance patient's facial esthetics.
- Increase efficiency and utilization of time and personnel.
- Restore endodontically treated teeth.

Endodontic Therapy

- Differentiate between those symptoms arising from disease of the pulp and those arising from other tissues, using proper diagnostic tests.
- Appreciate the factors which affect the complexity of treatment in each endodontic case and distinguish between those cases which are within his/her capabilities and those which are likely to require referral
- Perform a thorough clinical examination including appropriate pulp tests
- Use various rotary and non-rotary endodontic preparation techniques
- Utilize microscope for complicated endodontic treatments
- Perform nonsurgical root canal treatment on anterior teeth
- Perform nonsurgical root canal treatment on posterior teeth

Oral Surgery

- Manage the surgical component of dental implant systems
- Perform surgical and non-surgical extraction of teeth
- Perform initial treatment and management of extra-oral and intra-oral hard and soft tissue lesions of traumatic origin.
- Treats intra-oral hard and soft tissue lesions of traumatic origin
- Perform biopsies of oral tissues and follow up with the patient when the results are confirmed.
- Treat patients with post operative complications related to intra-oral surgical procedures
- Perform uncomplicated pre-prosthetic surgery

Orthodontia

- Rationale for orthodontic screening and examination at early age
- Interdisciplinary orthodontic treatment and limited orthodontic treatment to enhance restorative treatments.

- **Treatment of malocclusion and rationale for extraction versus non-extraction treatment.**
- **Treatment of impacted teeth and the use of temporary anchorage devices.**
- **Congenitally missing teeth and opening and closing spaces**

Replacement of teeth using fixed and removable prosthodontics

- **Treat patients with missing teeth requiring fixed restorations**
- **Understand and demonstrate basic principles in fixed prosthodontics, including proper tooth preparation/design**
- **Understand and demonstrate appropriate material application and its limitations and usage**
- **Understand and demonstrate specific case design in RPD**
- **Treat patients with missing teeth requiring removable restorations**
- **Communicate case design with laboratory technicians and evaluates the resultant prostheses**
- **Treatment plan complex fixed and removable cases including alternate treatment plans**

Implants

- **Understand and/or gain knowledge in the treatment planning and management of dental implants**
- **Manage the surgical aspect of implants**
- **Manage the prosthetic aspect of implants**
- **Understanding and/or gain knowledge implant concepts and design**

Oral Mucosal Diseases

- **Recognize and manage diseases of the soft tissues**
- **Perform biopsies of oral tissues and follow up with the patient when the results are confirmed.**

Temporomandibular Disorder and Orofacial pain

- **Recognize and manage temporomandibular disorders**
- **Recognize and manage typical orofacial pain**
- **Recognize and manage atypical orofacial pain**

Occlusal Disorders

- Diagnose and manage a patient's occlusion
- Gain the knowledge of current concepts of occlusal relationships including centric relation and centric occlusion.
- Gain the knowledge to manage anterior guidance and posterior disocclusion in function
- Gain the knowledge to manage treatment modalities including
- Occlusal splint therapy and occlusal equilibration
- Gain the knowledge to manage of the proper mounting of models and its value.

Pain and anxiety control utilizing behavioral and pharmacological techniques

- Properly manage the anxious patient (using a stress reduction protocol) including the pediatric patient
- Use behavioral and pharmacological modalities beyond local anesthesia
- Understand how to use oral premedication for the anxious patient
- Properly use inhalation nitrous oxide analgesia
- Understand the use of IV sedation
- Properly use local anesthesia technique

Medical Emergencies

- Gain knowledge and/or skill to review a medical history to recognize factors which predispose a patient to systemic emergency during dental treatment
- Gain skill and/or knowledge to anticipate systemic emergencies by preoperative evaluation and management
- Gain knowledge and/or skill to manage the primary systemic abnormalities in a patient with a medical emergency
- Gain knowledge and/or skill to manage a patient's respiration and/or circulation when required because of systemic collapse
- Gain knowledge and/or skill to evaluate and manage seizure and sudden loss of consciousness in a patient
- Gain knowledge and/or skill to manage allergic reactions encountered in the course of dental treatment
- Gain knowledge and/or skill to manage proper wound debridement and wound closure

- Gain knowledge or skill to manage dental and alveolar fractures as well as the initial management of fractures of facial bones

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Manage: Coordinate the delivery of care using a patient-focused approach within the scope of their training. Patient-focused care should include concepts related to the patient's social, cultural, behavioral, economic, medical and physical status.

Inpatients or same-day surgery patients:

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

- reviewing medical histories and physical examinations;
- prescribing treatment and medication;
- providing care in the operating room; and
- Preparing the patient record, including notation of medical history, review of physical examination, pre- and post-operative orders, and description of surgical procedures.

Consultations

- Provide dental care as a part of an inter-professional health care team such as that found in a hospital.
- Use proper hospital protocol when treating and managing patients in a hospital environment.
- Perform dental consultations and request medical consultations for hospitalized patients and patients in other health care settings.
- Request and respond to requests for consultations from physicians and other health care providers.
- Understand and utilize an inpatient hospital chart and to coordinate the dental treatment with other departments in the hospital

Anesthesia Rotation

Anesthesia rotation will provide supervised practical experience in the following:

- preoperative evaluation;
- assessment of the effects of behavioral and pharmacologic techniques;

- venipuncture technique;
- patient monitoring;
- airway management and intubation;
- administration of pharmacologic agents;
- prevention and treatment of anesthetic emergencies; and
- Assessment of patient recovery from anesthesia.

Medicine Rotation

The rotation provides supervised practical experiences, to include:

- Obtaining and interpreting the patient's chief complaint, medical, and social history, and review of systems;
- Obtaining and interpreting clinical and other diagnostic data from other health care providers;
- Using the services of clinical, medical, and pathology laboratories;
- Performing a history and physical evaluation and collect other data in order to establish a medical assessment

Physical Evaluation and Medical Evaluation

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

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

The PROGRAM provides in Practice Management

- Instruction in the principles of practice management including the management of allied dental professionals and other office personnel and retirement planning.

- **Instruction in starting a practice**
- **Instruction in maintaining a practice**
- **Instruction in becoming a associate**
- **Instruction in business management and practice development**
- **Knowledge and experience in performance improvement (quality management)**
- **Instruction in risk management.**
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Other examples can include: principles of peer review; principles of professional ethics, jurisprudence; alternative health care delivery systems; informational technology; and managed care

The PROGRAM provide in Hospital Organization

- **Residents with an understanding of hospital organization, functioning, and credentialing process.**
- **Opportunity to interact with other health professionals**
- **Understanding of consultations of a dental origin**
- **Understanding of the application process and experience in hospital-based records.**

The PROGRAM provides

- **Structured patient care conferences held at least twelve (12) times a year.**
- **Students/Residents assignments that require critical review of relevant scientific literature.**