

## **PROGRAM'S SPECIFIC GOALS AND OBJECTIVES**

The four year Oral and Maxillofacial Surgery residency program is an educational program designed to provide clinical, didactic, and hospital experience at the postdoctoral level in OMFS. The NYMC sponsored OMFS Manhattan-Westchester consortium program maintains "Accreditation without Reporting Requirements" at this time. The program gives the residents the knowledge, skills and judgement necessary to qualify for certification by the American Board of Oral and Maxillofacial Surgery. Emphasis is placed on board certification following training in order to impress on the residents the significance of certification as a measure of their competency and dedication to the field of Oral and Maxillofacial Surgery. In addition to training in minor and major Oral and Maxillofacial Surgery, the residents rotate through the Departments of Anesthesiology, Emergency Medicine, Internal Medicine, and Surgery. Standards for Advanced Specialty Education program in Oral and Maxillofacial Surgery of the American Dental Association are the underlying basis for the OMFS program.

### **The program allows the resident to:**

- Coordinate the graduate training in the biomedical sciences and the clinical education in the art and science of oral and maxillofacial surgery.
- Develop a sense of responsibility to the patient, the community and the profession.
- Develop the concept of continuing education and participation in educational programs upon completion of training.
- Meet and developing needs of OMFS including reconstructive and/or plastic procedures.
- Develop an appreciation and understanding of the interaction of OMFS related disciplines of dentistry including endodontics, orthodontics, periodontics, prosthodontics, and reconstructive dentistry.

### **The goals of the Oral and Maxillofacial Surgery program are accomplished through the means of:**

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. Outpatient, inpatient and ambulatory surgery activities.
5. Surgery and Elective rotations
6. Rotation to Medicine for two months
7. Rotation to Anesthesia for four months
8. Emergency room on-call while on OMFS service.
  - **covering Westchester Medical Center, and Metropolitan Hospital Center**

### **Discipline/Subject Area: Orthognathics**

Goals and Objectives of Training: Instruction in this discipline will enable the resident to:

- Diagnose and treat dentofacial deformities.  
\*this includes compiling a database  
\*preparation of study models and cephalometric tracings
- Utilize the database, study models and tracings to plan the orthodontic and surgical treatment for the dentofacial deformity.
- Preoperatively manage, including informed consent, discussion of complications, H and P, laboratory workup, autologous transfusions
- Surgically manage the deformity including, maxillary, mandibular, symphyseal and subapical osteotomies.
- Evaluate and manage intraoperative and postoperative status of the airway, vital signs, and complications.

### **Discipline/Subject Area: Dentoalveolar Surgery**

Goals and Objectives of Training: Instruction in this discipline will enable the resident to:

- Improve clinical skills, speed and judgement
- Diagnose and surgically manage periapical infections, including apicoectomies, removal of cysts, removal of teeth, correction of bony irregularities, and periodontal problems.
- Diagnose and surgically treat impacted teeth including exposure, repositioning, and removal.
- Remove fractured and displaced apices in the submandibular space, infrateporal space and maxillary sinus.

### **Discipline/Subject Area: Trauma**

Goals and Objectives of Training: Instruction in this discipline will enable the resident to:

- Evaluate the maxillofacial patient including, injuries to the head, neck, chest and abdomen
- Order and interpret appropriate laboratory and radiological studies
- Initially surgically treat the OMF injury
- Plan and execute definitive treatment of the OMF injury in a sequential manner, including open and closed reductions of the maxilla, mandible, zygomatico-maxillary complex, nose, naso-orbital-ethmoidal region as well as soft tissue injuries of the oro-facial areas.

**Discipline/Surgery Area: Reconstructive Surgery**

Goals and Objectives of Training: Instruction in this discipline will enable the resident to:

- Diagnose and treat of hard and soft tissue disorders that require grafting, plating, including harvesting of the bone or reconstruction
- Perform treatment of facial and palatal clefts, vestibuloplasty, augmentation, insertion of implants and esthetic surgery

**Discipline/Surgery Area: Ambulatory General Anesthesia and Deep Sedation**

Goals and Objectives of Training: Instruction in this discipline will enable the resident to:

- Be familiar, experience and capable of administering ambulatory techniques for general anesthesia and deep sedation to adults and children for OMFS procedures
- Participate in a longitudinal and progressive experience in the management of pain and anxiety control including behavioral management, local anesthesia, inhalation analgesia, conscious sedation, general anesthesia and deep sedation.

**Discipline/Surgery Area: Physical Diagnosis**

Goals and Objectives of Training: Instruction in this discipline will enable the resident to:

- Take a complete medical history
- Perform a complete physical examination
- Order, review and evaluate laboratory and radiographic studies
- Recognize deviation from normal health status
- Arrive at a medical assessment
- Pass the written and clinical portion of Physical Dx. Course at NYMC

Responsible faculty: Karen Edwards, M.D., NYMC

**Discipline/Surgery Area: Pathology**

Goals and Objectives of Training: Instruction in this discipline will enable the resident to:

- Diagnose and treat lesions, cysts, tumors (malignant or benign), maxillary sinus disease, head and neck infections, salivary gland and duct disease, injuries to branches of the fifth and seventh nerve, temporomandibular joint disease.

### **Discipline/Surgery Area: Pain Management**

Goals and Objectives of Training: Instruction in this discipline will enable the resident to:

- Become familiar with and utilize the various modalities of pain control, including behavioral management, local anesthesia, inhalation analgesia and anesthesia, and IV and IM conscious/unconscious/deep sedation
- Perform a preoperative evaluation of the patient's need for pain and anxiety control
- Gain experience in the overall management of the anxious patient (adult and pediatric)
- Perform history and physical examination on the ambulatory anesthetic patient
- Develop a medical risk assessment

### **Discipline/Surgery Area: Applied Pharmacology**

Goals and Objectives of Training: Instruction in this discipline will enable the resident to:

- Develop and expand his/her knowledge of pharmacological therapies routinely used in oral and Maxillofacial surgery
- Develop a knowledge of the indications, contraindications, adverse reactions and drug antagonistic and synergistic interactions

### **Discipline/Surgery Area: Applied Physiology**

Goals and Objectives of Training: Instruction in this discipline will enable the resident to:

- apply clinical physiology in patient assessment, medical and surgical management, such as in the areas of pulmonary, cardiovascular, hepatic and renal functions.

### **Discipline/Surgery Area: Surgical Anatomy**

Goals and Objectives of Training: Instruction in this discipline will enable the resident to:

- Review head and neck anatomy
- Perform specific surgical procedures in the OMF region on a cadaver

Responsible faculty: M. Pravitz, Ph.D., Dept of Anatomy and Cell Biology, NYMC

### **Discipline/Surgery Area: Microscopic Anatomy (Oral Pathology)**

Goals and Objectives of Training: Instruction in this discipline will enable the resident to:

- Correlate clinical and microscopic features of oral pathological lesions of the OMF regions
- Ability to provide diagnosis of pathological slides

Responsible faculty: Stanley Kerpel, D.D.S.  
Harry G. Sacks, D.D.S., J.D.  
New York Institute of Clinical Oral Pathology

**Discipline/Surgery Area: Greater N.Y. OMFS Lecture Series**

Goals and Objectives of Training: Instruction in this discipline will enable the resident to:

- Have additional didactic exposure to basic sciences such as physiology, microbiology, pharmacology
- Have exposure to ongoing lectures on topics such as cosmetic surgery, management of head and neck tumors, pediatric pathology, ambulatory anesthesia, cleft lip-palate deformities, use of lasers, advances implants and bone grafting, TMJ disease, rigid fixation

**Discipline/Surgery Area: Orthodontic – Orthognathic conferences**

Goals and Objectives of Training: Instruction in this discipline will enable the resident to:

- Diagnosis and treat dentofacial deformities
- Correlate orthodontic diagnoses to orthognathic surgery
- Evaluate a cephalometric radiograph and provide an analysis
- Appropriately utilize study casts in the diagnosis and treatment of dentofacial deformities

Responsible Faculty: M. Diamond, DDS  
R. Faber, DDS -Long Island Jewish Medical Center

**Discipline/Surgery Area: Radiology**

Goals and Objectives of Training: Instruction in this discipline will enable the resident to:

- Utilize various modalities in radiographic imaging including ultrasound radioactive isotope, computerized tomography, dentscans, conventional radiography
- Evaluate imaging for diseases of the cardiovascular, pulmonary, head and neck, oral and Maxillofacial and temporomandibular joint areas







