



UNC DIVISION OF PLASTIC AND RECONSTRUCTIVE SURGERY

OMFS ROTATION: COMPETENCY-BASED GOALS AND OBJECTIVES

MEDICAL KNOWLEDGE

Goal: The resident will achieve a detailed knowledge of the techniques and practice of oral and maxillofacial surgery.

Objectives:

1. Discuss the embryology of the head and neck.
2. Recite the tenets of growth of the craniofacial skeleton.
3. Draw the anatomy of the head and neck with particular concern to the jaws and craniofacial skeleton.
4. Discuss the principles of odontogenesis
5. Recite the principles of and infiltration techniques of local anesthesia used in the head and neck.
6. List the principles of bone fixation and bony healing.
7. Discuss the general evaluation of the facial trauma patient.
8. Recite the techniques of the treatment of facial fractures, including:
 - a. frontal sinus fractures
 - b. orbital fractures
 - c. nasal fractures
 - d. NOE fractures
 - e. midface and maxillary fractures
 - f. mandibular fractures
 - g. management of teeth in fractures
9. Discuss the unique treatment of pediatric facial fractures.
10. Describe the cephalometric analysis of maxillofacial surgery patients.
11. Discuss the common diagnoses in maxillofacial surgery and their management, including:
 - a. retrogenia
 - b. mandibular excess and deficiency
 - c. vertical maxillary excess
 - d. maxillary deficiency
12. Discuss the different kinds of occlusion, including:
 - a. overjet
 - b. overbite
 - c. Angle classification
 - d. crossbites
13. Discuss the use of distraction osteogenesis in maxillofacial surgery.

14. Discuss maxillofacial surgery in the cleft patient.
15. Describe the acquired diseases of the TMJ and their management.
16. Describe the use of dento-facial prosthetics.

PATIENT CARE

Goal: The resident will provide patient care that is compassionate, appropriate, and effective for the treatment of surgical problems.

Objectives:

1. Perform the various local anesthetic facial blocks for procedures done in oral and maxillofacial surgery.
2. Perform with graduated surgical independence bony fixation of the craniofacial skeleton.
3. Perform the head and neck exam in the facial trauma patient.
4. Perform the facial evaluation for orthognathic surgery patients.
5. Participate in the cephalometric analysis, prediction tracing, and preoperative surgical planning of maxillofacial surgery patients.
6. Perform a face-bow transfer.
7. Participate in preoperative model surgery.
8. Participate in common maxillofacial surgical procedures, including:
 - a. facial fractures
 - b. genioplasties
 - c. sagittal split mandibular osteotomies
 - d. maxillary LeFort I osteotomies
 - e. bimaxillary osteotomies
9. Participate in the creation and application of dental splints in maxillofacial surgery.

PRACTICE BASED LEARNING AND IMPROVEMENT

Goal: The resident will investigate and evaluate his or her own patient care practices, appraise and assimilate scientific evidence, and improve patient care practices.

Objectives:

1. Uses information technology to prepare for cases, bringing to the OR the knowledge of current modalities of care and the scientific evidence for that care.
2. Routinely analyzes the effectiveness of own practices in caring for surgery patients.
3. Improves own practices in the care of patients by integrating appropriately gathered data and feedback.
4. Educates medical students and other healthcare professionals in the practices of oral and maxillofacial surgery.
5. Functions independently with graduated advancement and appropriate faculty supervision.
6. Uses library sources to perform research and perform literature searches.
7. Understands the principles of clinical research and the application off biostatistics.

INTERPERSONAL AND COMMUNICATION SKILLS

Goals: The resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

Objectives:

1. Educates patients and families in post oral and maxillofacial surgery care.
2. Demonstrates compassion for patients and families.
3. Provides adequate counseling and informed consent to patients.
4. Listens to patients and their families.
5. Assimilates data and information provided by other members of the health care team.
6. Charts and records accurate information.

SYSTEM BASED PRACTICE

Goal: The resident will demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively call on system resources to provide care that is of optimal value.

Objectives:

1. Coordinates all aspects of the oral and maxillofacial surgery care for patients.
2. Demonstrates knowledge of cost-effective oral and maxillofacial surgery care.
3. Advocates for patients within the health care system.
4. Refers patients to the appropriate practitioners and agencies.
5. Facilitates the timely discharge of same day surgery patients
6. Works with primary care physicians, and other consultants such as cardiologists, toward the safe administration of anesthesia.

PROFESSIONALISM

Goal: The resident will demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.

Objectives:

1. Develops a sensitivity of the unique stresses placed on families under care for surgical diagnoses.
2. Exhibits an unselfish regard for the welfare of surgical patients.
3. Demonstrates firm adherence to a code of moral and ethical values.
4. Is respectful to patients and their families especially in times of stress to the family unit.
5. Respects and appropriately integrates other members of the health care team.
6. Provides appropriately prompt consultations when requested.
7. Demonstrates sensitivity to the individual patient's profession, life goals, and cultural background as they apply to health care.
8. Is reliable, punctual, and accountable for own actions in the OR and clinic.
9. Understands the concepts of autonomy, beneficence, nonmaleficence, justice, and respect for life.
10. Maintains patient confidentiality.