



# Curriculum Outline for Oral and Maxillofacial Surgery

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**SURGICAL COUNCIL ON RESIDENT EDUCATION**

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# INTRODUCTION

## EXPLANATION OF THE CURRICULUM OUTLINE

The **SCORE Curriculum Outline for Oral and Maxillofacial Surgery** is a list of maxillofacial surgery patient care topics to be covered in an Oral and Maxillofacial surgery training program. It is designed to be relevant to six-year integrated training programs, as well as four-year certificate programs.

The outline has been created with input from the American Board of Oral and Maxillofacial Surgery and the American Association of Oral and Maxillofacial Surgeons Committee on Education and Training.

Please note that the topics below may not directly match the current modules available on the SCORE Portal ([www.surgicalcore.org](http://www.surgicalcore.org)). This document is forward-looking, reflecting the latest updates. There has also been an effort to consolidate topics wherever possible, which will be reflected on the portal as the development and updating of modules continues.

### Category 1: Medical Knowledge and Anesthesia

#### Medical Knowledge

- Cardiovascular
- [Gastrointestinal/Genitourinary Considerations for Oral Maxillofacial Surgery](#)
- [Medical Assessment and Management of the Surgical Patient: Hematology and Coagulopathy](#)
- Nervous System / Muscular
- [Respiratory System](#)

### Category 2: Anesthesia and Pain Control

#### Medical Knowledge

- [Anesthetic Monitoring, Instrumentation, and Equipment](#)
- Anesthetic Technique and Pharmacology
- [Office-Based Anesthesia Complications and Emergency Management](#)
- [Patient Safety in Oral and Maxillofacial Surgery](#)
- [Perioperative Airway Management](#)

### Category 3: Dentoalveolar

#### Diseases/Conditions

- [Dentoalveolar Injuries and Splinting](#)
- [Infections, I&D, and Medical Management](#)
- [Medication-related Osteonecrosis of the Jaw and Osteoradionecrosis](#)

- Odontogenic Fascial Space Infections
- Postoperative Complications
- Surgical Extraction of Nonimpacted Teeth

### **Operations/Procedures**

- Alveoloplasty
- Bone and Soft Tissue Healing
- Coronectomy
- Exposure and Bonding of Impacted Teeth and Coronectomy
- Extraction Site Preservation

## **Category 4: Craniomaxillofacial Trauma**

### **Diseases/Conditions**

- Management of Mandibular Fractures
- Midface and Upper Face Injuries
- Pediatric Craniomaxillofacial Trauma
- Principles and Assessment of the Trauma Patient
- Soft Tissue Injuries

## **Category 5: Orthognathic / Cleft Lip and Palate/ Obstructive Sleep Apnea**

### **Diseases/Conditions**

- Classification of Dentofacial Deformity
- Computer Assisted Surgery
- Craniofacial Syndromes: Airway Considerations
- Epidemiology and Etiology of Cleft Lip and Palate
- Facial Assessment
- Growth and Development
- Orthodontics for Orthognathic Surgery
- Patient Evaluation, Assessment, and Treatment Planning for Orthognathic Surgery: Diagnostic Imaging
- Velopharyngeal Dysfunction

### **Operations/Procedures**

- Airway Considerations
- Bone Grafting the Cleft Maxilla and Palate
- Cleft Lip and Palate: Orthognathic
- Cleft Lip Closure
- Cleft Palate Closure
- Cleft Rhinoplasty
- Cranial Vault Reconstruction
- Mandibular Osteotomies: Complications
- Mandibular Osteotomies: Operative Treatment (General Concepts)
- Mandibular Osteotomies: Surgical Techniques

- Maxillary Osteotomies: Complications
- Maxillary Osteotomies: Surgical Techniques
- Maxillary Osteotomies: Velopharyngeal Dysfunction
- Midface Surgical Techniques
- Nonsurgical Treatments for Obstructive Sleep Apnea
- Obstructive Sleep Apnea: Diagnosis and Management
- Orbital Surgical Techniques
- OSA Pathophysiology and Medical Comorbidities
- Secondary Cleft Procedures: Managing the Cleft Maxilla/Secondary Alveolar Bone Grafting
- Surgical Treatment for Obstructive Sleep Apnea

## Category 6: Cosmetic Facial Surgery

### Diseases/Conditions

- Patient Evaluation and Selection for Facial Cosmetic Surgery

### Operations/Procedures

- Cosmetic Procedures of the Midface, Lower Face, and Neck
- Facial Volume Correction Using Alloplastic Implants
- Forehead, Brow, and Periorbital Lift
- Injection of Filler
- Injection of Neurotoxins
- Rhinoplasty

## Category 7: Temporomandibular Disorders / Facial Pain

### Diseases/Conditions

- Arthrocentesis and Arthroscopy
- Arthroplasty
- Diagnosis of Temporomandibular Disorders
- Headache
- Neuralgia of the Head and Neck
- Nonsurgical Management of Temporomandibular Disorders
- Total Joint Reconstruction

## Category 8: Head and Neck Pathology

### Diseases/Conditions

- Benign Lesions of Hard Tissue
- Benign Lesions of Soft Tissue
- Malignant Lesions Hard Tissue
- Malignant Lesions of Soft Tissue
- Oral Mucosal Lesions
- Salivary Gland Pathology

## Category 9: Head and Neck Reconstruction

### Operations/Procedures

- Free Fibula Flap
- Nonvascularized Hard Tissue Grafting
- Nonvascularized Soft Tissue Grafting
- Pedicled Flaps

## Category 10: Oral and Craniofacial Implants

### Diseases/Conditions

- Biology and Treatment Planning: Edentulous Implant Cases
- Biology and Treatment Planning: Partial Edentulous Implant Cases
- Craniofacial Implants
- Implant Complications
- Implants Following Dental Extractions
- Implants in Irradiated Bone
- Implants in Patients with Alveolar Cleft
- Single Tooth Implants

### Operations/Procedures

- Bone Grafting the Sinus and Nasal Floor
- Implants in Conjunction with Bone Grafts
- Inferior Alveolar Nerve Lateralization and Transposition
- Maxillofacial Prosthetics
- Onlay Bone Grafting
- The Zygoma Implant