New to this Edition:

- NEW! Full color design provides a more vivid depiction of pathologies, concepts and procedures.
- NEW! Expert Consult website includes all of the chapters from the print text plus "classic" online-only chapters and an expanded image collection, references linked to PubMed and periodic content updates.
- NEW! Thoroughly revised and reorganized content reflects current information and advances in OMS.
- NEW! New chapters on implants and orthognathic surgery cover the two areas where oral and maxillofacial surgeons have been expanding their practice.
- NEW! Digital formats are offered in addition to the traditional print text and provide on-the-go access via mobile tablets and smart phones.

Περιεχόμενα:

Volume I

Section 1: Profession and Practice of OMS

- 1. Professionalism and Ethics
- 2. The Philosophical Basis of a Successful Surgical Practice
- 3. Oral and Maxillofacial Surgery Career Alternatives to Private Practice
- 4. OMS Practice Transition: Decisions for the New Surgeon and the Established Surgeon
- 5. Performing Oral Surgery from the Sitting Position
- 6. Business Management of the Oral and Maxillofacial Surgery Practice
- 7. Risk Management in Oral and Maxillofacial Surgery
- 8. Coding, Insurance and Third-Party Payers
- 9. Accreditation of Outpatient Surgery Facilities
- 10. Marketing of the Oral and Maxillofacial Surgery Practice
- 11. Challenges of Retirement
- 12. Boundary Violations and Physical and Mental Impairments

Section 2: Anesthesia and Pain Control

- 1. Preoperative Evaluation
- 2. Monitoring for the Oral and Maxillofacial Surgery Patient
- 3. Local Anesthetics
- 4. Pharmacology of Drugs in Ambulatory Anesthesia
- 5. Anesthetic Concepts and Techniques
- 6. Concepts in the Management of Acute Postoperative Pain
- 7. Pediatric Pharmacosedation and General Anesthesia

Section 3: Dentoalveolar Surgery

- 1. Pediatric Dentoalveolar Surgery
- 2. Basic and Complex Exodontia and Surgical Management of Impacted Teeth
- 3. Complications of Dentoalveolar Surgery

- 4. Skeletally Based Implant Assisted Orthodontics
- 5. Lasers in Oral and Maxillofacial Surgery
- 6. Trigeminal Nerve Injuries

Section 4: Implant Surgery

- 1. Esthetic Implant Dentistry: Diagnosis and Treatment Planning
- 2. Immediate Implants
- 3. Bone Grafting Techniques and Materials
- 4. Bone Graft Histology
- **5.** Autogenous Bone Grafting for Dental Implants
- 6. Guided Tissue Regeneration in Implant Dentistry
- 7. Contemporary Sinus-Lift Subantral Surgery and Graft
- 8. Osteoperiosteal Flaps/Distraction Osteogenesis
- 9. Peri-Implant Soft Tissue Augmentation
- 10. Zygomatic Implant: A Graftless Approach for Treatment of the Edentulous Maxilla
- 11. Fixed Restoration of the Edentulous Maxilla
- 12. Mandibular Immediate Loading with the Complete Arch Provisional Prostheses
- 13. Contemporary Options for Implant-Supported Restorations
- 14. Implant Overdentures
- 15. Implants in Congenital and Acquired Defects
- **16.** Three-Dimensional Imaging and Digital Workflow Protocols for Dental Implants and Bone Grafting
- 17. Peri-Implant Disease and Restorative Aspects of Dental Implants
- 18. Peri-Implant Disease

Volume 2

Section 1: Trauma

- 1. Initial and Post-Operative Management of the Craniomaxillofacial Trauma
 Patient
- 2. Airway and Anesthetic Management for the Traumatized Patient
- 3. Imaging in Maxillofacial Trauma
- 4. Soft Tissue Injuries of the Face, Head and Trunk
- 5. Diagnosis and Management of Trigeminal and Facial Nerve Injuries
- 6. Diagnosis and Management of Dentoalveolar Injuries
- 7. Diagnosis and Management of Mandibular Injuries
- 8. Nasal Fractures
- 9. Management of Zygomatic Fractures
- 10. Diagnosis and Management of Midface Fractures
- 11. Diagnosis and Management of Frontal Bone Injuries
- 12. Assessment and Management of the Injured Child
- 13. Pediatric Cranio-Maxillofacial Trauma and Management
- 14. Reconstruction of Avulsive Injuries of the Craniomaxillofacial Region
- 15. Treatment of Maxillofacial Gunshot Wound Injuries

Section 2: Surgical Pathology

1. Oral and Maxillofacial Pathology: Available Diagnostic Techniques and Surgical Interactions

- 2. Cysts of the Oral and Maxillofacial Region
- 3. Odontogenic Tumors
- 4. Benign Non-Odontogenic Lesions of the Jaws
- 5. Salivary Gland Disease
- 6. Diagnosis and Management of Medication-related Osteonecrosis of the Jaws
- 7. Langerhans Cell Histiocytosis
- 8. Vascular Anomalies of the Oral and Maxillofacial Region
- 9. Vesiculobullous Diseases
- 10. Osteomyelitis and Osteoradionecrosis
- 11. The Molecular Biology of Cancer
- 12. Sarcomas of the Jaws
- 13. Squamous Cell Carcinoma of the Oral and Maxillofacial Region
- 14. Melanoma
- 15. Lymphoma
- 16. Non-Melanoma Skin Cancer of the Head and Neck
- 17. The Use of Radiation Therapy in Treatment of Head and Neck Cancer
- 18. Principles of Medical Oncology in the Management of Head and Neck Cancer

Section 3: Tempormandibular Disorders

- 1. History of Temporomandibular Surgery
- 2. Structure and Function of the Temporomandicular Joint
- 3. Assessing Temporomandibular Disorders
- 4. Imaging of the Tempormandibular Joint
- 5. Pathology of TMJ
- 6. Nonsurgical Management of Temporomandibular Joint Disorders
- 7. Arthrocentesis of the Temporomandibular Joint
- 8. Arthroscopy of the Temporomandibular Joint
- 9. Surgery for Internal Derangement of the Temporomandibular Joint
- 10. Temporomandibular Joint Replacement
- 11. Chronic Facial Pain: Evaluation, Differential Diagnosis and Management Strategies
- 12. Temporomandibular Muscle Disorders: Diagnosis and Management Considerations

Volume 3

Section 1: Orthognathic Surgery

- 1. The History of Orthognathic Surgery
- 2. Treatment Planning in Orthognathic Surgery
- 3. Virtual Treatment Planning for Orthognathic Surgery
- 4. Orthognathic Model Surgery
- 5. Common Mandibular Ramus Osteotomies: Sagittal Split Ramus Osteotomy (Ssro) And Intraoral Vertical Ramus Osteotomy (Ivro)
- 6. Genioplasty
- 7. Inverted L Osteotomy of the Mandible
- 8. Endoscopically Assisted Mandibular Osteotomies
- 9. LeFort I
- 10. LeFort I Segmental
- 11. Combined Maxillary and Mandibular Osteotomies

- 12. Intraoral Distraction Osteogenesis
- 13. Concomitant TMJ Total Joint Prosthetic Reconstruction and Orthognathic Surgery
- 14. Surgery for Accelerated Orthodontic Movement
- 15. Orthognathic Surgery for Sleep Apnea
- 16. Perioperative Management of the Orthognathic Patient
- 17. Mandibular Surgery: Complications, Prevention and Management

Section 2: Esthetic Surgery

- 1. Rhytidectomy
- 2. Laser Surgery
- 3. Rhinoplasty
- 4. Blepharoplasty
- 5. Forehead and Brow Lift
- 6. Liposuction and Fat Transfer
- 7. Hair Transplantation
- 8. Botulinum Toxin and Facial Chemical Peels for Skin Enhancement
- 9. Otoplasty
- **10. Facial Implants in Cosmetic Surgery**

Section 3: Cleft and Craniofacial Surgery

- 1. Orofacial Embryogenesis: A Framework for Understanding Clefing Sites
- 2. Comprehensive Management of Facial Clefts
- 3. Cleft Lip Repair
- 4. Cleft Palate Repair
- 5. Presurgical Infant Orthopedic Treatment for Patients with Cleft Lip and Palate
- 6. Evaluation and Management of Speech Disorders for the Patient with Cleft Palate
- 7. Management of the Cleft Maxilla
- 8. Cleft Orthognathic Surgery
- 9. Revision Surgery for Cleft Malformations
- 10. Craniomaxillofacial Surgery in the Pediatric Patient: Growth and Development Considerations
- 11. Nonsyndromic Craniosynostosis: Diagnosis and Contemporary Surgical Management
- 12. Craniofacial Dyostosis Syndrome: Evaluation and Staging of Reconstruction
- 13. Oculoauriculovertebral Spectrum: Staged Reconstruction
- 14. Treacher Collins Syndrome: Evaluation and Staging of Reconstruction
- 15. Craniofacial Pathology in the Pediatric Patient
- 16. Distraction Osteogenesis of the Craniomaxillofacial Skeleton