Fractures Of The Mandibular Condyle Basic Considerations And Treatment

Fractures of the mandibular condyle fractures produce the best results. It would be beneficial to critically analyze past studies that have directly compared the two methods in an attempt to answer this question. A Medline search for articles using the keywords 'mandibular condyle fractures' and 'mandibular condyle fractures surgery' was performed. The articles chosen for the meta-analysis contained data on at least one of the following: postoperative maximum mouth opening, lateral excursion, protrusion, deviation on opening, asymmetry, and joint pain or muscle pain. Several common statistical methods were used to test for differences between open and closed surgery, including the weighted average method for fixed and random effects as well as the Mantel-Haenszel method for fixed effects. Some of the outcome variables were found to be statistically significant but were interpreted with caution because of the poor quality of the studies assessed. There is a need for more standardized data collection as well as patient randomization to treatment groups. This issue of the Atlas of the Oral and Maxillofacial Surgery Clinics, edited by Dr. Martin Steed, focuses on Advances in the Management of Mandibular Condylar Fractures. Articles will feature Classification Systems for Condylar Process and Diacapitular Fractures; Anatomy and Biomechanics of Condylar Fractures; Matching Surgical Approach to Condylar Fracture Type; Soft Tissue Trauma in the TMJ Region Associated with Condylar Fractures; Plating Options for Fixation of Condylar Neck and Base Fractures; Management of Pediatric/Adolescent Condylar Fractures; Virtual Surgical Planning and Intraoperative Imaging in the Management of High Velocity Ballistic Facial and Condylar Injuries; The Biology of Open versus Closed Treatment of Condylar Fractures; The Role of Intra-articular Surgery in the Management of Mandibular Condylar Fractures. Articles will feature Classification Systems for Condylar Process and Diacapitular Fractures; Anatomy and Biomechanics of Condylar Fractures; Matching Surgical Approach to Condylar Fracture Type; Soft Tissue Trauma in the TMJ Region Associated with Condylar Fractures; Plating Options for Fixation of Condylar Neck and Base Fractures; Management of Pediatric/Adolescent Condylar Fractures; Virtual Surgical Planning and Intraoperative Imaging in the Management of High Velocity Ballistic Facial and Condylar Injuries; The Biology of Open versus Closed Treatment of Condylar Fractures; The Role of Intra-articular Surgery in the Management of Mandibular Condylar Head Fractures; Secondary Treatment of Malocclusion/Malunion Secondary to Condylar Fractures; and more! This issue of the Atlas of the Oral and Maxillofacial Surgery Clinics, edited by Dr. Martin Steed, focuses on Advances in the Management of Mandibular Condylar Fractures. Articles will feature Classification Systems for Condylar Process and Diacapitular Fractures; Anatomy and Biomechanics of Condylar Fractures; Matching Surgical Approach to Condylar Fracture Type; Soft Tissue Trauma in the TMJ Region Associated with Condylar Fractures; Plating Options for Fixation of Condylar Neck and Base Fractures; Management of Pediatric/Adolescent Condylar Fractures; Virtual Surgical Planning and Intraoperative Imaging in the Management of High Velocity Ballistic Facial and Condylar Injuries; The Biology of Open versus Closed Treatment of Condylar Fractures; The Role of Intra-articular Surgery in the Management of Mandibular Condylar Head Fractures; Secondary Treatment of Malocclusion/Malunion Secondary to Condylar Fractures; and more! The incidence of fracture involving the mandibular condyle varies throughout the literature and is influenced by factors such as age, geographic location, and socioeconomic level of the study population. A thin neck of mandibular condyle is an area of anatomical weakness and gets easily fractured in response to any direct or indirect trauma to the mandible. Had it not been so, all the forces of trauma would have been transmitted to the middle cranial fossa. Therefore mandibular condyle acts as a shock absorber in preventing the intracranial injuries. The study is aimed at comparing outcome of closed and open reduction of Condylar fractures. (3E 1983) Outline of diagnosis & treatment incl. surgical anatomy radiology postoperative care complications. Traditionally, each specialty involved in craniomaxillofacial trauma and orthognathic surgery had its own areas of interest and expertise. This introductory textbook is different in that it presents the combined and focused expertise and competence of the different specialties on the entire craniofacial skeleton. The principles described in this textbook represent the evolution of craniomaxillofacial buttress
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Read Book Fractures Of The Mandibular Condyle

principles and practice of oral and maxillofacial surgery. With a range of topics starting from routine dentoalveolar conditions related to the temporomandibular joint. The chapters mainly focus on disorders, diseases, and entities seeking help for pain and loss of function in their temporomandibular joint and related structures. This book is an open access book by-step guide to the surgical approaches used to expose the facial skeleton. The authors describe in detail the key anatomic structures and the technical aspects of each approach, so that the surgeon can safely gain access to the region of the craniofacial skeleton requiring surgery. This Second Edition includes full-color intraoperative photographs that complement the surgical drawings. Several new approaches have been added—the transconjunctival approach to the medial orbit, subtarsal approach to the internal orbit, Weber-Ferguson approach to the midface, and facial degloving approach to the midface.Dental practitioners face a large number of patients treating impacted teeth, facial pain, misaligned jaws, facial trauma, oral cancers, jaw cysts, and tumors but also to facial cosmetic surgery and placement of dental and facial implants. This specialty is evolving alongside advancements in technology and instrumentation. Volume 1 has topped 132,000 chapter downloads so far, and Volume 2 is being downloaded at the same pace! Volume 3 is basically the sequel to Volumes 1 and 2; 93 specialists from nine countries contributed to 32 chapters providing comprehensive coverage of advanced topics in OMF surgery.Offering authoritative guidance and a multitude of high-quality images, Facial Trauma Surgery: From Primary Repair to Reconstruction is the first comprehensive textbook of its kind on treating primary facial trauma and delayed reconstruction of both the soft tissues and craniofacial bony skeleton. This unique volume is a practical, complete reference for clinical presentation, fracture pattern, classification, and management of patients with traumatic facial injury, helping you provide the best possible outcomes for patients’ successful reintegration into work and society. Explains the basic principles and concepts of primary traumatic facial injury repair and secondary facial reconstruction offers up-to-date guidance from global experts in plastic and reconstructive surgery, otolaryngology and facial plastic surgery, oral maxillofacial surgery, neurosurgery, and oculoplastic surgery. Covers innovative topics such as virtual surgical planning, 3D printing, intraoperative surgical navigation, post-traumatic injury, treatment of facial pain, and the roles of microsurgery and facial transplantation in the treatment of facial traumatic injuries. Includes an end commentary in every chapter provided by Dr. Paul Manson, former Chief of Plastic Surgery at Johns Hopkins Hospital and a pioneer in the field of acute treatment of traumatic facial injuries. Features superb photographs and illustrations throughout, as well as evidence-based summaries in current areas of controversy.Gnathodynamic analyses of function of the masticatory system using several tests of oral-motor function were examined in a sample of controls, and two groups of patients treated for fractures of the mandibular condyle. Patients treated with open reduction and internal fixation of their fracture had less impairment of oral-motor function than those treated with closed reduction. Among patients treated non-surgically, deviation of the mandible towards the side of fracture was noted during opening of the mouth. These results indicate that masticatory function can be normalized early post-surgery by open reduction and internal fixation of their fracture.Salivary Diagnostics surveys one of the most exciting areas of research in oral biology. Regardless as the mirror of the body, saliva has immense potential to yield real clinical improvements in our ability to diagnose, and hence treat, oral and systemic conditions. The composition of saliva and other oral fluids reflects the tissue fluid levels of therapeutic, hormonal, and immunological molecules, as well as the presence of markers for systemic and oral disease.Challenging Concepts in Oral and Maxillofacial Surgery details over 25 challenging and complex scenarios matched to the OMFS syllabus including frontal sinus fractures, reconstructive challenges following blast injuries to the facial soft tissue and skeleton, and reratocystic odontogenic tumours. This case-based learning book is designed to be used by trainees and speciality registrars. Each case is supported by the commentary of a renowned expert in the field, allowing readers to improve their own management of these patients. As the reader works through each case there are ‘Clinical Tips’, ‘Learning Points’ and ‘Evidence Base’ boxes to enhance the learning process along with the ‘Expert Commentary’, providing an inside track on how the experts approach challenging cases. The range of topics discussed including three complex battlefield cases will be essential reading for trainees in oral and maxillofacial surgery and related specialties, such as otolaryngology, oral surgery, orthodontics, and dentistry.This book is a step-by-step, fully illustrated guide on the principles and techniques of anchor screw osteosynthesis, with a focus on fractures of the condylar neck of the mandible. The pathologic and anatomic characteristics of these fractures are described, as are the instruments required in using the osteosynthesis technique. In addition, the basic principles of biomechanics are defined.Featuring over 400 full-color surgical photographs and drawings, this text/atlas is a step-by-step guide to the surgical approaches used to expose the facial skeleton. The authors describe in detail the key anatomic structures and the technical aspects of each approach, so that the surgeon can safely gain access to the region of the craniofacial skeleton requiring surgery. This Second Edition includes full-color intraoperative photographs that complement the surgical drawings. Several new approaches have been added—the transconjunctival approach to the medial orbit, subtarsal approach to the internal orbit, Weber-Ferguson approach to the midface, and facial degloving approach to the midface. Dental practitioners face a large number of patients seeking help for pain and loss of function in their temporomandibular joint and related structures. This book consists of eight chapters by authors who would like to share their experiences and researches on pathological conditions related to the temporomandibular joint. The chapters mainly focus on disorders, diseases, and entities while shedding light on the diagnostic methods and management modalities. This book is an open access with CC BY 4.0 license. This comprehensive open access textbook provides a comprehensive coverage of principles and practice of oral and maxillofacial surgery. With a range of topics starting from routine dentoalveolar surgery to advanced and complex surgical procedures, this volume is a meaningful combination of text and
illustrations including clinical photos, radiographs, and videos. It provides guidance on evidence-based practices in context to existing protocols, guidelines and recommendations to help readers deal with most clinical scenarios in their daily surgical work. This multidisciplinary textbook is meant for postgraduate trainees, young practicing oral surgeons and experienced clinicians, as well as those preparing for university and board certification exams. It also aids in decision-making, the implementation of treatment plans and the management of complications that may arise. This book is an initiative of Association of Oral and Maxillofacial Surgeons of India (AOMSI) to its commitment to academic medicine. As part of this commitment, this textbook is in open access to help ensure widest possible dissemination to readers across the world.
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