

## Fractures Of The Mandibular Condyle Basic Considerations And Treatment

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### Fractures Of The Mandibular Condyle

Fractures of the mandibular condyle compose 25% to 35% of all mandible fractures. Classification and management of condylar fractures is a controversial topic in maxillofacial trauma. This is due to the anatomic complexity of the condyle, the extensive attachments, and its contribution to the temporomandibular joint.

### Mandibular Condyle Fractures | Pocket Dentistry

Purpose: The objective of this study was to analyze the principal variables that determine the choice of the method of treatment and the outcome in condylar fractures. Materials and methods: We conducted a retrospective analysis of 104 mandibular condyle fractures to analyze and determine the relation between the principal clinical variables and the postoperative results.

### Mandibular condyle fractures: determinants of treatment ...

The treatment of mandibular condyle fractures: a meta-analysis. The current meta-analysis suggests that ORIF for condylar fractures may be as good or better than CM. The morbidity associated with the operation is low. However, the available evidence is of poor quality and not strong enough to change clinical practice.

### The treatment of mandibular condyle fractures: a meta ...

Introduction: The incidence of condylar fractures is high. Condylar fractures can be extracapsular (condylar neck or subcondylar) or intracapsular, undisplaced, deviated, displaced or dislocated. Treatment depends on the age of the patient, the co-existence of other mandibular or maxillary fractures, whether the condylar fracture is unilateral or bilateral, the level and displacement of the fracture, the state of dentition and the dental occlusion, and the surgeon's experience.

### Fractures of the mandibular condyle: a review of 466 cases ...

Mandibular condylar fractures are the most common mandibular fractures, with an overall incidence of 18% to 57%, and incidence of 24% to 72% in children. [2-4] Mandible fractures are more common in males, and common causes of traumatic facial injury include motor vehicle accidents, violence, sports-related trauma, falls, and industrial incidents. [2,3,5]

### Open reduction and internal fixation of mandibular ...

treatment for mandibular condylar fracture. STUDY DESIGN: Fifty patients with fractures of the mandibular condylar processes were evaluated. All fractures were displaced, with a degree of deviation between the condylar fragment and the ascending ramus of 10 to 45 degrees

### Fracture of mandibular condyle—to open or not to open: an ...

Mandibular fractures are relatively common especially among young men. Although traditionally the mandible and base of skull are thought to form a complete bony ring, interrupted only by the TMJs. This should mean that the mandible should fractur...

### Mandibular fracture | Radiology Reference Article ...

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Treatment of mandibular condylar process fractures: biological considerations J Oral Maxillofac Surg. 2005 Jan;63(1):115-34. doi: 10.1016/j.joms.2004.02.019. Authors Edward Ellis 1 , Gaylord S Throckmorton. Affiliation 1 Division of Oral and Maxillofacial Surgery, The University of Texas Southwestern Medical Center, Dallas, TX 75390, USA ...

## **Treatment of mandibular condylar process fractures ...**

Mandibular fracture, also known as fracture of the jaw, is a break through the mandibular bone. In about 60% of cases the break occurs in two places. It may result in a decreased ability to fully open the mouth. Often the teeth will not feel properly aligned or there may be bleeding of the gums. Mandibular fractures occur most commonly among males in their 30s. Mandibular fractures are typically the result of trauma. This can include a fall onto the chin or a hit from the side. Rarely they may b

## **Mandibular fracture - Wikipedia**

There is no universal gold standard classification system for mandibular condylar process fractures. A clinically relevant mandibular condyle classification system should be easy to understand, and be easy to recall, for implementation into the management of a condylar fracture. An accurate appreciation of the location of the mandibular condylar fracture assists with the determination of either an operative or nonoperative management regimen.

## **Classification of Mandibular Condylar Fractures.**

Open reduction and internal fixation (ORIF) was found to provide better functional reconstruction of mandibular condyle fractures than closed reduction (CR) and maxillo-mandibular fixation.<sup>8</sup>In current day practice, fractures with a deviation of more than 10°, or a shortening of the ascending ramus of more than 2 mm, should be treated with open reduction and fixation, irrespective of level of the fracture.<sup>9</sup>

## **Fractures of the mandibular condyle: evidence base and ...**

Mandibular Fractures were first described in 1650 BC by Edwin Smith Papyrus. Mandible is the only moving bone in the Skull, it is also the strongest bone of the skull as it is made up of Cortical bone which is thicker in the posterior region and thinner in the anterior region. Alveolar process has a compact bone in buccal and lingual plates.

## **Fractures of Mandible - Classifications and Types**

Fractures of the mandible are the most common fractures of the facial bone. Lindhal, 1977 demonstrated that the Mandibular condyle represents 18-57% of all mandibular fractures. The most common cause of mandibular condyle fracture is a road traffic accident.

## **Fractures of the mandibular condyle - Open versus closed ...**

Conclusions: The current indications for open reduction and internal fixation (ORIF) of DFs described in the literature are: (a) fractures affecting the lateral condyle with reduction of mandibular height; (b) fractures in which the proximal fragment dislocates laterally out of the glenoid fossa, which cannot be reduced by closed or open treatment of another part of the mandibular fracture. The indications for conservative treatment are: (a) fractures that do not shorten the condylar height ...

## **Open versus closed reduction: diacapitular fractures of ...**

The causes that involved considerable force (traffic accidents and falls) resulted in more dislocations of the mandibular head, more bilateral fractures, a tendency to fractures higher on the...

## **Fractures of the mandibular condyle. Part 1: patterns of ...**

The majority of mandibular condyle fractures involve the condylar neck, with few reports of intracapsular fractures. Sagittal or vertical fractures of the mandibular condyle and chip fractures of the medial part of the condylar head are rarely found by conventional radiography and are more commonly detected by computed tomography (CT) scan. 10

## **The treatment of condylar fractures: to open or not to ...**

Ramaiah University of Applied Sciences 2 Introduction • Condylar and subcondylar fractures constitute 26-40% of all mandible fractures • Given the unique geometry of the mandible and temporomandibular joints (TMJs), these fractures can result in marked pain, dysfunction, and

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deformity if not recognized and treated appropriately. 3. ©M.

### **Condylar fractures - SlideShare**

Data on the age, gender, date of injury, mechanism of trauma, location and pattern of mandibular condylar fracture, associated injuries and treatment methods were recorded and analyzed. Ramus height restoration is the main evaluation indicator during the follow-up period.

### **Restoration of Ramus Height in Child Patients With ...**

For pediatric condylar fractures, the parents should be advised, that the fracture can affect future mandibular growth in some rare cases. It is prudent to recommend they have their family dentist monitoring mandibular growth and refer to an orthodontist if aberrant growth is noted.