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## Open Versus Closed Treatment of Mandibular Condyle Fracture

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Editorial

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I believe that, removing barriers to research published online will greatly enrich the scientific literature and enhance dissemination of the information. Dentistry Journal (part of OMICS group) is an Open Access Dental Journal which is aimed at publishing the most exciting researches with respect to the subjects of dentistry, providing a rapid turn-around time possible for reviewing and publishing, and disseminating the articles freely for research, teaching and reference purposes. This month editorial is about an important debatable issue among the Oral and Maxillofacial Surgeons worldwide, Management of Mandibular condylar fracture.

Mandibular condyle fracture is an extremely common injury in facial trauma, accounting for approximately 29-40% of facial bone fractures [1], and 20-52% of all mandibular fractures [2,3]. Despite its regularity, it has been a contentious topic in maxillofacial trauma for some time with regards to its diagnosis, classification, and management.

The focus of the controversy, centers on the choice of management. Two main treatment modalities have been used to manage condylar fractures: open and closed treatment. For years, closed treatment using Maxilla Mandibular Fixation (MMF) was the preferred method of treatment and was thought to be essentially complication free [4,5]. However, serious complications have been reported including Temporomandibular Joint (TMJ) ankylosis, malocclusion, mandibular deviation, and pathological changes to the condylar process [6]. With improvements in imaging, osteosynthesis materials, and surgical techniques, Open Reduction/Internal Fixation (ORIF) has become a more common treatment option. ORIF is a technically difficult operation and complications such as facial palsy, secondary infection, fistula formation, and postoperative scarring have also been reported [7,8]. However, it has the advantage of being less disruptive to a patient's quality of life post-treatment. A third option, non-invasive conservative treatment, is also indicated in some patients, particularly those with no displacement of the condyle or occlusal disturbances [9].

To date, no general consensus has been reached in the literature favoring any specific treatment modality. Fractures of the mandibular condyle deserve special consideration amongst mandibular fractures because of the condyle's functional role as a moving unit and the potential for serious complications following treatment [9].

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