



27th Congress of the **Balkan Stomatological Society (BaSS)**

“ Past, Present and Future of Dental Implants and Gerodontology ”

November 9-11, 2023
Istanbul Atlas University
Istanbul, Türkiye



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Treatment possibilities and postoperative complications at extracapsular fractures of the mandibular condyle

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Objective: Mandibular condylar fractures represent 25%–35% of all mandibular fractures. The treatment of mandibular condyle fractures remains controversial despite many studies regarding the subcondylar type of fracture.

The aim of this study is to analyze the outcome and recovery rates after open and closed treatment of extracapsular mandibular condyle fractures, regarding postoperative malocclusion, mouth opening, wound healing, pain, and swelling.

Materials-Methods: A retrospective cohort study based on 377 condylar fractures and prospective comparative study on a total of 16 patients were implemented, using two study groups – group A, consisted of 8 patients with placed closed vacuum drain, and 8 patients in group B, without closed vacuum drain, measured on 1st and 3rd postoperative days, whereas both the parameters were comparable on the 7th and 15th postoperative days.

Results: Evaluation of the early postoperative sequels, showed significantly higher values in group B, while malocclusion was the most frequent long-term complication after open reduction and rigid intermaxillar fixation (ORIF).

Conclusion: There was no statistically significant difference in the incidence of pain, mouth opening, swelling, and wound healing in patients with and without closed suction wound drainage after ORIF of condylar fractures. ORIF, using a retromandibular transparotid approach, is the appropriate treatment of choice for extracapsular condylar fractures of the mandible.

Keywords: extracapsular fractures, condyle, open reduction, postoperative complications