



## Desideratum of corroboration-based management for temporomandibular joint disorders: pressing priority in oral surgery

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Internal derangement (ID) of the temporomandibular joint (TMJ) managed by arthrocentesis is considered a minimally invasive technique with limited indications and unpredictable outcomes in advanced cases. On the other hand, for predictable, long-standing, and trustworthy results, arthroscopy is important in the management of TMJ disorders due to its minimum invasiveness and morbidity. The learning curve in TMJ arthroscopy is steep for new surgeons, requiring extensive teaching and training<sup>1</sup>. The role of the surgical assistant is equally important in TMJ surgery for successful TMJ mobilization and adherence to safety procedures to avoid postoperative complications<sup>1</sup>. McCain improved hard and soft devices for TMJ arthroscopy using a 'coblation' high-frequency wave system for tissue cutting and debridement<sup>2</sup>. Additional studies must produce innovations in various concepts of TMJ surgeries. Compared with arthrocentesis, arthroscopy leads to greater melioration in the maximum interincisal opening after 12 months, with no difference in pain reduction<sup>3</sup>. An evidence-based study showed reduction in TMJ pain after 12 months with no difference in outcomes such as mandibular functionality<sup>3</sup>. Arthroscopy can be a useful technique for treatment of patients with advanced stages of ID of the TMJ in all age groups. However, longer follow up was suggested<sup>4</sup>.

Corroboration-based management for patients with TMJ

disorders must be verified by evidence-based scientific research.

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### Authors' Contributions

B.B. conceived the idea and S.B. designed the study. M.S. and N.D.P. reviewed the medical records and contributed to data acquisition. N.D.P. analyzed the data and prepared the manuscript. M.S. provided guidance for all aspects of the study and critical revision of the article. All authors reviewed and approved the final version of the manuscript.

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### Conflict of Interest

No potential conflict of interest relevant to this article was reported.

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