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Biography

Ahmed Abdellatif, is currently working as a Lecturer of Oral and Maxillofacial Surgery, Faculty of Dentistry, Tanta University. My PhD from Tanta university was in 2022. In addition, my publications include: "Fixation of Mandibular Symphyseal or Para symphyseal Fractures with Curved 3-Dimensional Titanium Strut Plate" (Egyptian Dental Journal, April 2015). "Pathognomic oral profile of Lubinsky- MacGibbon syndrome for lowering the risk of progressive renal failure: rare case report" (Journal of Research and Dental Science, 2022). "Arthroscopic Assisted Release of Lateral Pterygoid Muscle versus Retrodiscal Scarification in the Treatment of Internal Derangement of Temporomandibular Joint" Journal of Cranio-Maxillofacial Surgery, Volume 51, Issue 5, May 2023, Pages 303–308.a.

The New Era of TMJ Arthroscopy: A Revolution in Diagnosis and Treatment

Abstract:

The purpose of this study was to compare arthroscopic-assisted lateral pterygoid muscle release vs scarification of retrodiscal tissues in the treatment of temporomandibular joint internal derangement. A prospective, randomized, interventional, comparative clinical trial was conducted on patients diagnosed with TMJ anterior disc displacement using sufficient clinical evaluation and magnetic resonance imaging findings. They were randomly divided into two equal groups: The lateral pterygoid muscle was released arthroscopically assisted in group one. Scarification of the retrodiscal tissues was used to treat group two. All patients underwent clinical follow-up with MRI. Clinical indicators such as jaw opening, lateral excursion, and joint discomfort were significantly improved. All patients reestablished the anteriorly displaced disc to its normal position, as confirmed by postoperative MRI. Arthroscopic-assisted lateral pterygoid release and scarification of retrodiscal tissues may be beneficial in the management of anteriorly displaced discs that do not respond to conservative treatment.