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### Arthroscopic Assisted Release of Lateral Pterygoid Versus Scarification of Retrodiscal Tissue in Management of Internal Derangement of Temporomandibular Joint

#### Abstract:

The aim of this study was to compare arthroscopic assisted release of lateral pterygoid muscle versus scarification of retrodiscal tissues in the treatment of internal derangement of temporomandibular joint. A prospective, interventional, randomized, comparative clinical study that was carried out on patients with TMJ anterior disc displacement diagnosed via adequate clinical examination and MRI findings. They were divided randomly into two equal groups: Group one was treated by arthroscopic assisted release of the lateral pterygoid muscle. Group two was treated by arthroscopic assisted scarification of the retrodiscal tissues. All patients were followed up via clinical and MRI. Clinical parameters regarding jaw opening, lateral excursion and joint pain were improved. All patients reestablished normal position of the anteriorly displaced disc confirmed by postoperative MRI. Arthroscopic assisted release of lateral pterygoid and scarification of retrodiscal tissues have some potential to be one of the methods for management of anteriorly displaced discs not responding to the conservative treatment.

#### 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: "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.