

Liquid Phase Concentrated Growth Factor Versus Conventional Arthrocentesis in Temporomandibular Disc Displacement

NCT07075276

Status	RECRUITING
Phase	Not Applicable
Sponsor	Horus University
Enrollment	32 participants

Key Eligibility Criteria

Inclusion (1)

- 1. Adults aged 18-45 years. 2. Patients scored as (ASA I). 3. Presence of complete or nearly complete set of natural dentition with Angle class I occlusion. 4. Diagnosed with unilateral involvement of disc displacement, according to the Research Diagnostic Criteria for Temporomandibular Disorders (RDC/TMD). 5. Symptoms include one or more of the following: pain, joint sounds, and limited mandibular movement (Maximum Mouth Opening < 40mm) 6. No prior surgical intervention for TMD. 7. Patient's willingness to participate and follow the study protocol.

Exclusion (1)

- 1. TMJ pathology related to mechanical deformities 2. Psychiatric problems or presence of systemic diseases that may affect healing (e.g., uncontrolled diabetes, autoimmune disorders, hematologic or neurologic disorders, inflammatory or connective tissue disorders as well as rheumatological or previous infectious diseases, head and neck cancer). 3. Patient unwilling or has contraindication to MRI 4. Previous injections or surgical interventions of the TMJ. 5. Concurrent use of anticoagulants or anti-inflammatory medications within the last 30 days. 6. Pregnant or breastfeeding women. 7. History of trauma or infection in the TMJ region. 8. Allergy to local anesthetics or other components used in the study. 9. Patients diagnosed with (Disc Displacement with reduction with no pain or limited mandibular movements).

Locations (1 total)

Faculty of Dentistry- Horus University in Egypt, Damietta, New Damietta, Egypt