



Disc displacement without reduction: this is a condition in which the disc is anteromedially dislocated from the condyle and does not return to Its normal position with condylar movement Clinical characteristical in Limited mer dibular movements Normal lateral movements to your onto the second

<u>Clinical characteristics</u>: Limited mandibular movements Normal lateral movements towards the same side Restricted lateral movement towards opposite side

<u>Management: nonsurgical</u>- manual manipulation, supportive therapy Surgical management – arthrocentesis, arthroscopy Arthrocentesis consist of TMJ lavage, placement of medication into the joint and examination under anesthesia.

TMJ DISLOCATION

Definition: Condition in which the condyle is placed anterior to the articular eminence with collapse of the anterior space. the condyleComes in contact with the anterior slope of the eminence and is unable to return to the closed position.

ETIOLOGY:

Intrinsic trauma :overextension injuries as in yawning, vomiting, seizures Extrinsic trauma: endoscopy, dental extraction, intubation during LA Connective tissue disorder Psychogenic causes: habitual causes Drug induced: phenothiazine

PATHOGENESIS:

Normal joint stability depends on:

•i. Integrity of joint ligaments: Laxity of ligaments, Capsular abnormality

•ii. Bony architecture of joint surfaces

•iii. Activity of muscles acting on the joint: Spontaneous dislocation is due to a break in the timing of muscular action in the first phase of closing Surgery of temporomandibular joints

CLASSIFICATION:

- Unilateral/bilateral
- Acute/chronic
- Habitual/recurrent

INVESTIGATIONS:

History Physical examination: Neurological and musculoskeletal disorders Radiological examination

CLINICAL FEATURES

Clinical presentation Bilateral dislocation

- 1. Pain 2. Inability to close mouth
- 3. Tense masticatory muscles
- 4. Difficulty with speech
- 5. Excessive salivation
- 6. A protruding chin
- 7. Open bite

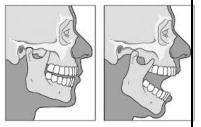
8. A distinct hollow in front of the tragus Surgery of temporomandibular joint

9. The lateral pole of the condyle produces a characteristic protuberance anterior to and below the

articular eminence.

<u>Clinical presentation Unilateral</u> <u>dislocation</u>

The mandible swung away from the side of dislocation
The deviation produces a lateral gross and open bite on the contralateral side.
Occlusion is protrusive
The hollow just in front of the tragus is present on the ipsilateral side. Surgery of temporomandibular joint





TREATMENT:

Nonsurgical: medications (NSAIDS, muscle relaxants), digital manipulation, psychological management, physical therapy, occlusal therapy, intermaxillary fixation

Surgical: 1. Soft tissue procedures: Plication of the TMJ capsule and ligament, lateral pterygoid myotomy

2. Removal of obstruction - Retinectomy 3. Creation of translatory obstruction: Osteotomy of the zygomatic arch and down fracturing it below the articular eminence (Dautrey procedure)., Bone graft to articular eminence, Metal implants on articular eminence/arch area. 4. Tethering/ Anchoring: Placing a nonrecordable suture through the condyle and securing it to the root of the zygomatic arch 5. Mandibular osteotomies: condylotomy • vertical oblique osteotomy • high condylectomy