

Review of Scans



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Name **Ma He**
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Age **15**

Diagnostic Codes **715.2 Osteoarthritis**

Radiographic Diagnosis of the TMJ

Right TMJ

MRI

Disc Piper **4a** Anterior Disc Position Normal Disc Size

Condyle **Distalized**

Teeth Together MR **Yes**

T2 **--**

CT

Teeth Together CT **Yes**

Condyle **Good condylar size** **Good shape** **Cortex intact**
Distalized

Stability **Structurally Stable** **Mechanically Questionable**

Left TMJ

MRI

Disc Piper **4a** Anterior Lateral Disc Position

Condyle **Distalized**

T2 **++** **Marrow Edema** **Effusion**

CT

Condyle **Smaller condylar** **Altered shape** **Cysts**
Distalized **HyperCa++**

Stability **Structurally Questionable** **Mechanically Unstable**

CT Neck

Atlas **Appears Centered** **Nice alignment C2,3,4**
 Styloid Process **Normal** mm Atlas Ponticus Posterior **None**

Summary and Recommendations

Note: Left TMJ Jaw is locking at 43mm.

MR/CT Scan Summary: R4a , L4a/b cyst anterior mid condyle,

L +T2 retrodiscal and marrow

Right disc follow eminence indicative of clenching.

Left Condyle Cyst well corticated.

Diff dx L Cyst: Crush injury, AVN, Osteochondritis Dissecans. RhA

Risk of on going bone degeneration.

Tx options: TMJ appliance therapy, Physical therapy/active stretch posterior ligament, Surgical Disc Repair, Discectomy/Fat graft, No treatment.

Dr W if Surgery indicated.

Recommendations:

Comprehensive TMJ evaluation by Dr. Droter

Evaluate for nonsurgical TMJ Rehabilitation

Occlusion is good, has anterior guidance

If joint locks, needs immediate treatment to unlock joint, possible arthrocentesis.

NSAID- Mobic 7.5mg- 1 tablet /day

Doxycycline 20mg 1 tablet 2x/day

Blood test to verify Liver and Kidney Functions

Country Life Buffered Vitamin C Time Release 500mg with 100mg bioflavonoids

Piper Disc Classification

1	Normal
2-	Stretched/ torn ligaments Normal Disc position
3a	Partial Disc subluxation Disc reduces on opening
3b	Partial Disc subluxation Disc Non-Reducing
4a	Full Disc Dislocation Disc reduces on opening
4b	Full Disc Dislocation Disc Non-Reducing
5a	Bone to bone contact Still adapting
5b	Bone to bone contact Adapted

Abbreviations

AVN	Avascular Necrosis
Dx	Diagnosis
OA	Osteoarthritis
OMD	Occlusal Muscle Disorder
RhA	Rheumatoid Arthritis
Tx	Treatment