

Review of Scans



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Name **Al Ko**
11/29/2011

Age **27**

Diagnostic Codes **715.2 Osteoarthritis**

Radiographic Diagnosis of the TMJ

Right TMJ

MRI

Disc Piper **5b** Amorphous Disc/ Old Injury

Condyle **Small Size**

T2 **--**

Teeth Together MR **Yes**

CT

Condyle **Small condylar size** **Altered shape** **HyperCa++**
Milled In **Cortex intact**

Teeth Together CT **??**

Stability **Fair Structural Stability** **CR Load Superior**

Left TMJ

MRI

Disc Piper **4b** Amorphous Disc/ Old Injury

Condyle **Small Size**

T2 **++** **Retrodiscal Tissue**

CT

Condyle **Small condylar size** **Altered shape** **Cortex intact**
Down Eminence

Stability **Structurally Questionable**

CT Neck

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

Summary and Recommendations

Note: CBCT 11-2011. Childhood retrognathia. Age 14 orthognathic surgery relapsed. Age 20 orthognathic surgery relapsed.

MR/CT Scan Summary: R5b, L4a. Both joints appear to be old injuries.

Left TMJ Inflamed retrodiscal tissue.

Not able to see bone superior left TMJ fossa. May be artifact from CBCT

Restricted airway.

Differential Diagnosis Inflamed tissue in joint: OA, TIBR, RhA

Differential Diagnosis Anterior open bite: Genetic, Childhood airway/Tongue not in palate, childhood TMJ damage to growth center, Post puberty AVN, TIBR after AVN, TIBR after orthognathic.

Working Diagnosis: Inflamed tissue of unknown origin in left TMJ. Left TMJ slight tenderness on palpation. Severe malocclusion, anterior open bite. Right TMJ appears hypercalcified and well adapted after significant damage.

Recommendations: Mobic 7.5mg for 8 weeks.

Complete exam- determine sequence of events that lead to malocclusion. Determine treatment options to correct malocclusion.

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

Take 2 tablets AM, 2 tablets PM

Glucosamine- Enzymatic Therapy Glucosamine 500mg

Take 3 tablets AM

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