

# Review of Scans



**John R. Droter, DDS**  
 4000 Mitchellville Rd., #330B  
 Bowie, MD 20716  
 301-805-9400  
 drjr@mac.com

Name **Br Go**  
**3/26/2008**

Age **29**

Diagnostic Codes **739.1 Cervical Dysfunction**  
**715.2 Osteoarthritis**  
**524.63 Articular Disc Disorder**

## Radiographic Diagnosis of the TMJ

### Right TMJ

#### MRI

Disc Piper **3a** Anterior Disc Position **Large Disc Size**

Condyle **Distalized**

Teeth Together MR **Yes**

T2 **+** Synovial Cyst Posterior **Slight Effusion** Marrow is normal

#### CT

Teeth Together CT **Yes**

Condyle **Narrower size** **Good shape** **Cortex intact**  
**Distalized** **Slight HyperCa++**

**Stability** **Structurally Stable** **Mechanically Questionable** **CR Load Lateral and Medial**

### Left TMJ

#### MRI

Disc Piper **2** **Large Disc Size**

Condyle **Centered**

T2 **--** Marrow is normal

#### CT

Condyle **Good condylar size** **Altered shape** **Crushed**  
**Centered** **HyperCa++**

**Stability** **Structurally Stable** **Mechanically Questionable** **CR Load Lateral**

### CT Neck

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

## Summary and Recommendations

Right TMJ 3a, narrower condylar size than left, distalized  
 Left TMJ 2 altered shape/ flattened. Synovial cyst inferior/posterior, thin.  
 Neither R or L disc was heard on doppler- easy movement on and off disc.  
 Unexplained changing bite- does not appear to be AVN  
 Symmetrical open bite  
 Most likely patient using tongue as cushion, and has moved teeth.  
 Left Synovial cyst may be remnant from past injury/repair.

#### Recommendation

1. Neck Evaluation by Atlas Orthogonist Dr. Leslie Windman
2. Country Life Essential Life Multivitamin
3. Phone check with Dr. Droter's Office 3 weeks after neck therapy has started

After neck is stable-

4. Comprehensive TMJ evaluation by Dr. Droter  
 Evaluate for nonsurgical TMJ Rehabilitation  
 Possible orthodontic to get front teeth back together  
 Occlusal adjustment after orthodontics
5. New MR scan in 1 year to evaluate Synovial Cyst

#### Piper Disc Classification

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

#### Abbreviations

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