

# MRI Scan of the Temporomandibular Joint

## 3 Tesla Magnet

\_\_\_\_\_ date

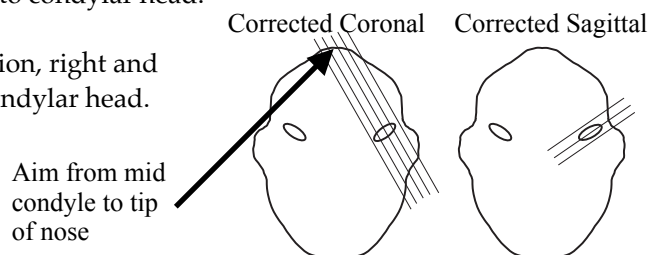
Please evaluate \_\_\_\_\_

Significant History: ☐ See Exam Form

<input type="checkbox"/> Facial Pain	784.0
<input type="checkbox"/> Avascular Necrosis	526.4
<input type="checkbox"/> Osteoarthritis	715.2

- Use 3 Tesla Magnet. Use highest resolution as possible. Do not use a short flip angle.
- Limit field of view to the TMJ to allow for maximal resolution.
- Show orientation views
- Closed views are with back teeth together.
- Use a roll of tape (3M Transpore Tape 1 inch wide) for the open view. The roll is two inches in diameter. Have patient open as wide as they can comfortably and place the tape roll as far back as possible with the flat side toward the teeth. They should be biting into the tape with their back molars on both sides.
- Copy DICOM images to a CD and give to patient.
- If at Anne Arundel Medical Center, Radiologist Kerry Thompson, MD is to read the scan.
  - ☐ Patient has wax index to wear on teeth to stabilize jaw for closed view.
  - ☐ Patient is to wear Dr. Droter's appliance for all closed views.
  - ☐ Gave Rx for \_\_\_\_\_. They will take it 1 hour before scan.
  - ☐ Patient to get braces off molars before scan. No orthodontic wire in place.

1. T1, mouth closed, corrected sagittal projection, right and left TMJ.  
8 or more views: lateral, medial, 4 cuts through condylar head.
2. T2 scan mouth closed, corrected sagittal projection, right and left TMJ.  
8 or more views: lateral, medial, 4 cuts through condylar head.
3. STIR (T1 inversion recovery) corrected sagittal projection, right and left TMJ.  
8 or more views: lateral, medial, 4 cuts through condylar head.
4. Proton Density, mouth closed, corrected sagittal projection, right and left TMJ.  
8 or more views: lateral, medial, 4 cuts through condylar head.
5. Proton Density, mouth closed, corrected coronal projection, right and left TMJ.  
8 or more views: in front of condylar head, through condylar head, behind condylar head.  
Be sure to go at least one slice distal, and one slice anterior to condylar head.
6. Proton Density, mouth open fully, corrected sagittal projection, right and left TMJ. 8 or more views: lateral, medial, 4 cuts through condylar head.  
Use roll of tape for open view as described above.  
Take this view last.



Thank You