



**NATIONALRad**  
SPECIALISTS IN DIAGNOSTIC IMAGING

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PATIENT: JOHN SMITH  
DOB: 5/5/1955  
FILE #: 12345  
PHYSICIAN: REFERRING  
EXAM: MRI CERVICAL SPINE  
DATE: 1/1/2011

#### CLINICAL INFORMATION

Left neck and shoulder pain for 2 months

#### COMPARISON

None

#### CONTRAST

None given

#### TECHNIQUE

MRI of the cervical spine was obtained with the following sequences: Axial GRE, sagittal T1, T2, and STIR.

#### FINDINGS

**ALIGNMENT:** There is straightening of the normal cervical lordosis which may be positional or related to muscular spasm.

**DISCS:** There is moderate to severe disc space narrowing from C4-5 through C6-7 with prominent prevertebral spondylosis.

**CORD:** Spinal cord is normal in caliber and signal intensity. Cerebellar tonsils are normally located.

**BONE MARROW:** No destructive bony lesions. There is low T1 signal intensity within the bone marrow surrounding the left C4-5 facet joint which may be reactive to facet arthropathy.

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LEVEL BY LEVEL ANALYSIS:

C2-3: No disc osteophyte complex, spinal canal stenosis, or neural foraminal narrowing.

C3-4: There is a focal 1-2 mm central disc protrusion and mild right uncovertebral joint hypertrophy with deformity of the ventral thecal sac with a mild spinal canal stenosis. No significant neural foraminal narrowing.

C4-5: There is a diffuse disc osteophyte more prominent on the left and left facet arthropathy with flattening of the ventral thecal sac with a mild spinal canal stenosis and moderate right and moderate to severe left neural foraminal narrowing.

C5-6: There is a diffuse disc osteophyte more prominent on the right and mild bilateral facet joint hypertrophy with flattening of the ventral thecal sac with a mild spinal canal stenosis and moderate to severe right and mild left neural foraminal narrowing.

C6-7: There is a diffuse disc osteophyte which results in flattening of the ventral thecal sac with a mild spinal canal stenosis and moderate to severe bilateral neural foraminal narrowing.

C7-T1: No disc osteophyte complex, spinal canal stenosis, or neural foraminal narrowing.

OTHER FINDINGS: No paraspinal soft tissue mass.

IMPRESSION

1. Multilevel degenerative disease and facet arthropathy as detailed above, most severe from C4-5 through C6-7.
2. C6-7 mild spinal canal stenosis with flattening of the ventral thecal sac and moderate to severe bilateral neural foraminal narrowing.
3. C5-6 mild spinal canal stenosis with flattening of the ventral thecal sac and moderate to severe right and mild left neural foraminal narrowing.
4. C4-5 mild spinal canal stenosis with flattening of the ventral thecal sac and moderate right and moderate to severe left neural foraminal narrowing. There is left facet arthropathy with surrounding low T1 signal intensity within the bone marrow which is likely reactive.

[NationalRad Neuroradiologist]  
Board Certified Radiologist

THIS REPORT WAS ELECTRONICALLY SIGNED

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