

Adams, John

Lumbar Spine MRI Exam, 4/23/2008

Preliminary Info

Name:	Adams, John	Exam Date:	4/23/2008
Patient ID:	123444455	Exam Site:	RSNA
DOB:	01/01/1980	Procedure:	Lumbar Spine MRI
Age:	28 yrs	Technique:	Routine Axial, Coronal, Sagittal and Abduction, External Rotation, T1/T2 Spin Echo Images
Ref. Phys:	Martinez, David, M.D.	Contrast:	None
History:	Back pain with radiation down the right leg.	Slice Thickness:	5mm contiguous
Premedication:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Comparison:	7/01/2006
		Accession #:	123456
		Study UID:	1.1000.100000.123456789

Findings

T-12/L-1		The Lumbar Spine at T-12 /L-1 appears normal.
L-1/L-2		The Lumbar Spine at L-1/L-2 appears normal.
L-2/L-3		The Lumbar Spine at L-2/L-3 appears normal.
L-3/L-4	Vertebral Bodies:	The vertebral L-4 body appears heterogenous in density. This is suspicious for multiple myeloma.
	Intervertebral Disc:	The intervetebral disc appears normal with no apparent bulge, protrusion or rupture. No disc fragments or abnormalsoft tissues are seen in the dural space.
	Lateral Foramina:	The lateral foramina appear normal and patent bilaterally.
L-4/L-5	Vertebral Bodies:	The vertebral L-5 body appears heterogenous in density. The soft tissues changes and bone destruction with compression fractures is seen in the adjacent vertebral bodies. This is suspicious for multiple myeloma. There is a 50% spondylolisthesis of L-4 over L-5.
	Intervertebral Disc:	There is a rupture of the annular ligament with extrusion of the disc. Free disc fragments are seen.
	Lateral Foramina:	There is an intervertebral disc fragment lodged in the right neural foramina. There is impingement of the nerve on the right.
L-5/S-1		The Lumbar Spine at L-5/S-1 appears normal.

Impressions and Recommendations

The vertebral bodies at L-4 and L-5 appear heterogenous in density with mild compression fractures. Soft tissue changes and bone destruction are seen in both vertebral bodies. This is suspicious for multiple myeloma. There is a 50% spondylolisthesis of L-4 over L-5. There is a rupture of the annular ligament with extrusion of the disc. Free disc fragments are seen. There is an intervertebral disc fragment lodged in the right neural foramina. There is impingement of the nerve on the right.

1. Rupture of the L 4-5 ligament with disc extrusion with a free fragment lodged in the R lateral foramina.
2. Abnormal appearance of the L-4 & L-5 vertebral bodies with compression fractures and soft tissue and bone destruction. R/O Multiple Myeloma.

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Electronically signed and authenticated by: Peter Dale, M.D.

Validated on 4/23/2008 1:32:03 PM