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**MRI OF THORACIC SPINE WITHOUT AND WITH A PARAMAGNETIC CONTRAST AGENT**

**INDICATION FOR SCAN**  
MS

**TECHNIQUE**

An ultra-high resolution MRI scan of the thoracic spine was performed on the new GE short bore whole body 3-Tesla Excite MRI system with sagittal T2 fast recovery/FSE pulse sequences, and T1 FLAIR sagittal sequences. After intravenous injection of Gadolinium DTPA, repeat axial T1 and sagittal FLAIR sequences with fat saturation were obtained.

**FINDINGS**

3T imaging of the thoracic spine was performed with and without infusion of contrast and reveals lesions of increased signal on T2 throughout the thoracic cord consistent with given history of MS. Most prominent of these lesions is located at the level of T7 with multiple lesions of the upper thoracic cord and lesions also present within the anterior cord at the level of T11 and posterior cord at the level of T12. There is no significant disc protrusion, spinal or foraminal stenosis present. Also, there is no enhancing lesion demonstrated.

**IMPRESSION**

Multiple lesions involving the upper thoracic cord plus prominent lesion at the level of T7 involving the left lateral cord, at T11 involving the anterior cord and at T12 involving the posterior cord but no enhancing lesion is demonstrated.

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