

Mediastinal Mass – Chest MRI Body Protocol

Reviewed By: Jason Jacob, MD

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Date of Last Review: https://docs.google.com/spreadsheets/d/1a1on-GqlksrbCU8zpnnYgisOOebEUGCd_TKeLW5-Clg/edit?gid=0#gid=0

Contact: (866) 761-4200, Option 1

NOTE: Call radiologist before starting patient if any questions re: protocol

Indications: Mediastinal mass

Oral contrast: None.

Coil: Phased array body coil or cardiac coil centered over the mid chest.

Coverage: Mediastinum

Intravenous contrast: Single dose gadolinium @ 2 cc / sec (MultiHance)

1. 3-plane localizers with breath hold
2. Axial T2W SSFSE
 - a. ECG-gated
3. Coronal T2W SSFSE
 - a. ECG-gated
4. Axial T2W STIR
 - a. Multi-breath hold
 - b. ECG-gating preferred but not required
5. Axial balanced SSFP
 - a. ECG-gated
6. Axial T1W dual-echo in- and opposed-phase
 - a. 3 mm slice thickness
7. Diffusion-weighted imaging
 - a. ECG-gated
 - b. b=0, 100, and 800



8. Precontrast T1W fast GRE – axial only
9. Postcontrast T1W fast GRE
 - a. Axial acquisitions at 20-30 sec, 60-70 sec, 3 min, and 5 min (with subtraction sequences)
 - b. Sagittal and coronal acquisitions between 3 min and 5 min

Check images with radiologist if any concerns.
