

MRI Sternum

Updated 06/15/17

Reviewed 06/06/26

Image prone if possible to decrease respiratory motion.

Use field-of-view (FOV) and angulations as in the images below.

Go to MRIMaster.com for a guide of proper positioning.

Pulse Sequence	PACS Name	plane	fat sat	slice (mm)	gap (mm)	first slice
T1	T1 AX	ax	no	6	1	top
T2	T2 AX	ax	no	6	1	top
STIR	STIR AX	ax	no	6	1	top
T1	T1 COR	cor	no	2	0.5	front
STIR	STIR COR	cor	no	2	0.5	front
T1	T1 FS SAG	sag	yes	4	1	left

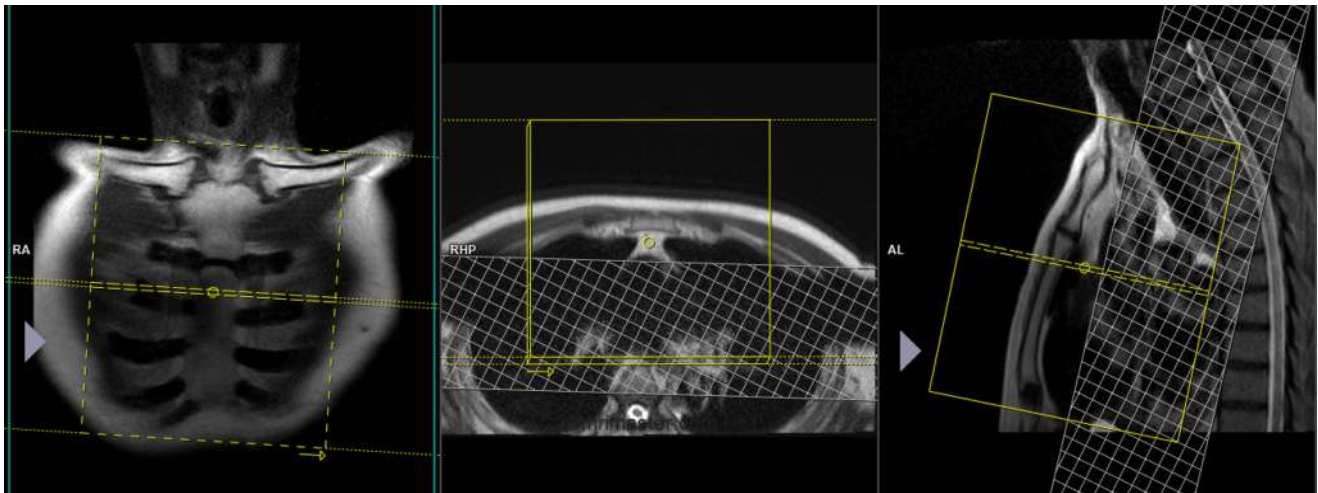
CONTRAST - 2 mL/sec standard dose gadolinium (0.2 mL/kg Clariscan or 0.1 mL/kg Gadavist) followed by 20 mL saline flush.

T1	T1 FS POST AX	ax	yes	6	1	top
T1	T1 FS POST SAG	sag	yes	4	1	left

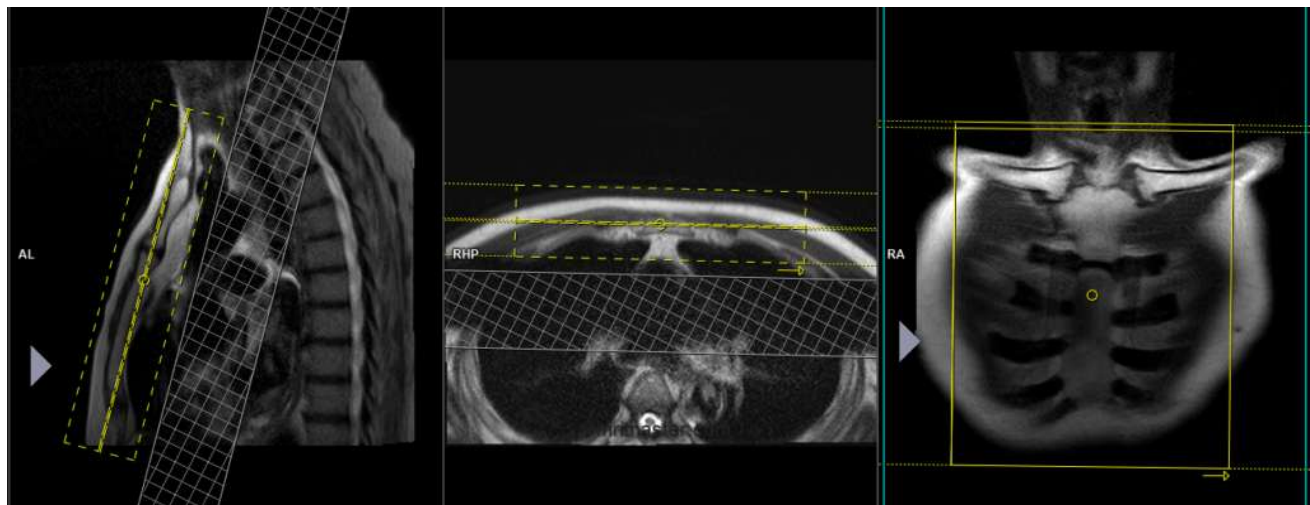
RECON:

sagittal subtractions

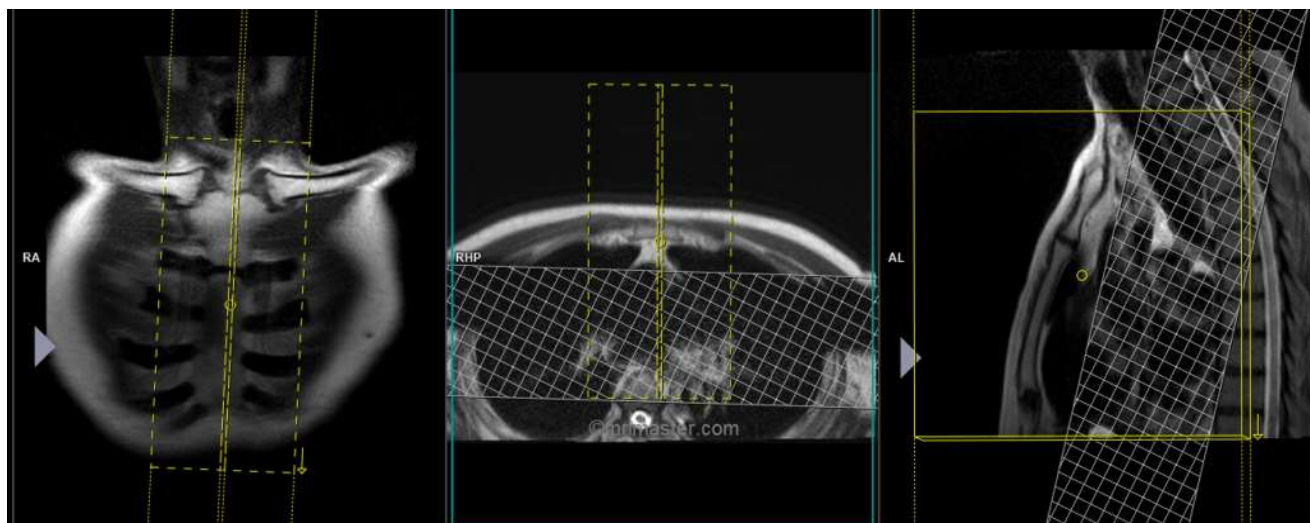
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axial FOV and angulation (perpendicular to the sternum in the sagittal plane)



coronal FOV and angulation (parallel to the sternum in the sagittal plane)



sagittal FOV and angulation (parallel to the sternum in the coronal plane)