

MRI SI Joints

Updated 07/16/17

Reviewed 05/14/25

Use field-of-view (FOV) centered on the sacrum & SI Joints.

Angle to the plane of the sacrum for the coronal sequences.

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

Pulse Sequence	PACS Name	plane	fat sat	slice (mm)	gap (mm)	first slice	Field of View
STIR	STIR AX	ax	no	7	1	top	whole pelvis
T1	T1 COR	cor	no	7	1	front	
T1	T1 AX	ax	no	3	1.5	top	SI joints
T2	T2 FS AX	ax	yes	3	1.5	top	
T1	T1 COR	cor	no	3	0	front	
T2	T2 FS COR	cor	yes	3	0	front	
T1	T1 SAG	sag	no	3	1	right	
STIR	STIR SAG	sag	no	3	1	right	

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	3	1.5	top	SI joints
T1	T1 FS POST COR	cor	yes	3	0	right	