

Sacroiliac Joints MRI

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General parameters (1.5 T magnets):

For all T1 sequences, please keep TE below 20 (between 10 and 15 if possible); TR 500-600.

For all T2 FS sequences, use equivalent of FSE/TSE. TE of mid to upper 50's is the most ideal for Siemens, 60-65 for GE, and ~ 60 for Toshiba.

It is important to have TE long enough for T2 weighting but not so long that it is signal starved.

For STIR, TI = ~ 135

Comments: All pelvis cor and ax sequences need to cover from bone to bone to be adequate.

- cor T1 - whole pelvis
- cor STIR – whole pelvis
- Add:
 - small FOV for sacrum and SI joints (FOV = 22 cm)
 - oblique cor T1
 - oblique cor T2 FS
 - oblique cor T1 FS pre contrast
 - oblique cor T1 FS post contrast