

MRI HAND – SR ARTHRITIS

Patient head first, prone with arm up (e.g., Superman position)

- Wrist/hand at the centre of the bore to ensure field homogeneity
- Coils: dedicated wrist/hand coil
- Immobilisation: tape hand to maintain position

Axial plane : from 3-4 cm proximal to the radiocarpal joint to 2 cm distal to the carpometacarpal joint

Coronal plane: skin to skin traversing the joint anteriorly to posteriorly to include the same field of view as the axial images

Sagittal plane: skin to skin perpendicular to the coronal

| SEQUENCE | FOV | Slice | TE | Matrix (min) |
|-----------|------|-------|-----|--------------|
| Cor STIR | 8-10 | 3 | 25 | 320x240 |
| Cor T1 | 8-10 | 3 | min | 320x240 |
| Ax PD FS | 8-10 | 3 | 40 | 320x240 |
| Ax T1 | 8-10 | 3 | min | 320x240 |
| Sag PD FS | 8-10 | 3 | 40 | 320x240 |
| CE T1 FS* | 8-10 | 3 | min | 320x240 |

* CE- Contrast enhanced, if optimal assessment of synovitis/osteitis is needed