

Bryan Radiology Associates
CT L-spine

Last update: 2021-01-03 JN

Setup:

- Post Myelography patients must be rolled 360 degrees to help evenly distribute spinal contrast
- Scout from S2 through T8 with the patients arms raised above their head
- Place bismuth thyroid and/or breast shield after scout(s) have been acquired

Scan Parameters:

- Scan from mid body of T12 to mid body of S2
- Preferred DFOV of 17 cm
- For patients with implanted spinal hardware and/or a BMI \geq 35 it is suggested that increasing kVp, slowing rotation time, and decreasing the pitch will help maintain image quality.

Reformats:

- Obtain Oblique Axial images when the plane of any disc level is > 15 degrees different from the plane of the scan during the initial acquisition. Images below are an example (see fig 3). Can be tall blocks or individual disc levels, only where needed. Include middle level of vertebral body above and middle level of vertebral body below.
(not necessary for major trauma, e.g. MVC or fall from height)

PACS Series: (slice thickness x gap)

- 2 mm x 2 mm AX Soft Tissue
- 1 mm x 2 mm AX Bone **kernel**
- 1 mm x 2 mm SAG Bone **kernel**
- 1 mm x 2 mm COR Bone **kernel**
- 2 mm x 2 mm AX Oblique soft tissue angled, at needed levels.

See next page

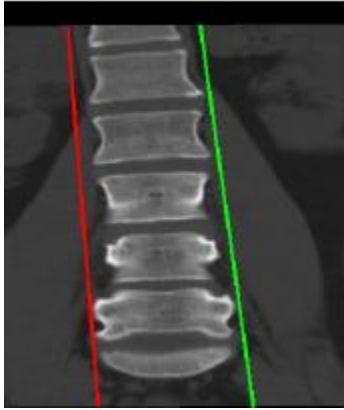


Fig 1: SAG range setup



fig 2: COR range setup



fig 3: AX oblique

Adapted from ARA