

Long Bone Soft Tissue Mass vs. Cyst Protocol (Lower Extremity)

Reviewed By: Lawrence Tang, MD

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Contact: (866) 761-4200, Option 1

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

Long bone soft tissue mass vs. cyst protocol (lower extremity)

- ax T1 – **bilateral**
- ax T2 FS – unilateral

- if lesion anterior or posterior if lesion medial or lateral
- sag T1 – unilateral cor T1 – unilateral
- sag T2 FS or STIR – unilateral cor T2 FS or STIR – unilateral
- ax T1 FS pre contrast - unilateral ax T1 FS pre contrast - unilateral
- ax T1 FS post contrast - unilateral ax T1 FS post contrast - unilateral
- sag T1 FS post contrast - unilateral cor T1 FS post - unilateral

*With the exception of ax T1 pre contrast is bilateral, all other sequences and planes are unilateral, as specified above. Changes made in attempt to improve spatial resolution of the lesion.