

MRI FOREFOOT WITHOUT & WITH CONTRAST

Mark site or region of symptoms.

Please refer to the foot diagrams for prescribing imaging planes

Notify MD if GFR is borderline for contrast administration.

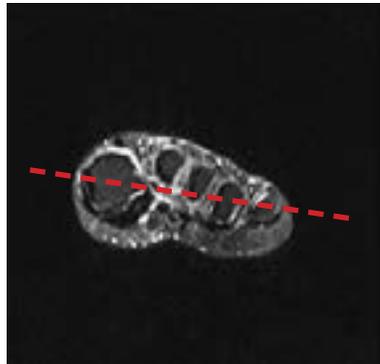
Cover from forefoot through toes; all of foot dorsal to plantar; all of foot medial to lateral.

Patient Position Supine - place pt foot in coil so that metatarsals are near center, if possible. Remove socks or stockings, if any.

Localizer 3 - plane scout localizer

Plane	Sequence	Fat Sat	SLT / SP	**FOV	Notes
Axial	T1		3mm	14 cm	
Sagittal	STIR		3 mm	14 mm	
Sagittal	T1		3 mm	14 mm	
Coronal	T1		3 mm	14 mm	
Coronal	T1	Y	3 mm	14 mm	
Coronal +C	T1	Y	3 mm	14 mm	
Sagittal +C	T1	Y	3 mm	14 mm	

POSITIONING AND PLANES



Prescribe AXIALS off sagittal and coronal scout

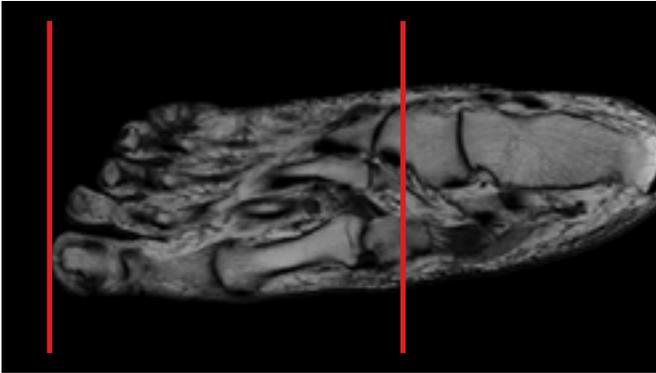
AXIALS - **LONG AXIS**

- Use Sag LOC and angle parallel to the shaft of either the 2nd or 3rd metatarsals and at least cover the soft issues superior and inferior to the MTP joints
- Cover all of the toes and as far proximal as the field of view allows. THIS SHOULD BE TO THE METATARSAL BONES
- Look at the sagittal or longitudinal STIR images before you prescribe the transverse sections so that you can be sure you've covered all the pathology (bright signal on STIR = edema = pathology)

Example resulting image

Any deviation from protocol MUST be radiologist approved. Rad Director will be notified if this occurs without prior approval

POSITIONING AND PLANES



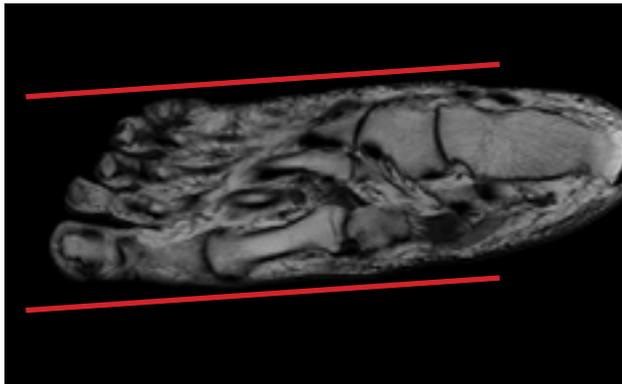
Prescribe CORONAL off axial plane



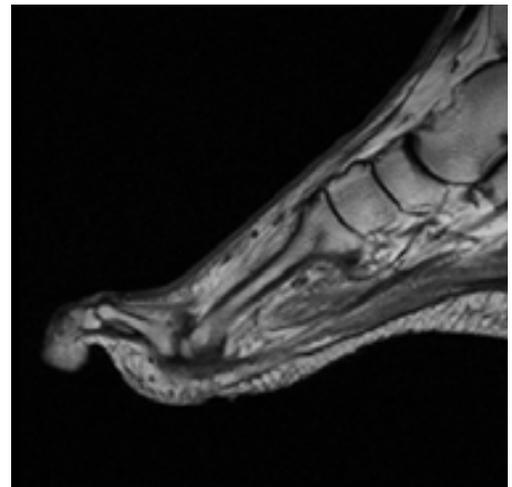
Example resulting image

CORONAL - SHORT AXIS

- Perpendicular to Axial - long axis
- Angled perpendicular to 2nd metatarsal shaft
- Cover to end of toes



Prescribe SAGITTAL off axial plane



Example resulting image

SAGITTALS

- Parallel to 2nd metatarsal shaft on Axial sequence
- Cover from tips of the toes as far proximal as the FOV allows
- Cover from medial margin of 1st MTP joint as far lateral as the slices go (cover all of the MTP joints)