

Foot 16 Emotion

Indications	Pain, swelling, trauma					
Diagnostic Task	Detects fractures, hematomas, arthritis, bone cyst					
Scan mode	Helical					
Position/Landmark	Head or feet first-supine-include joint of interest only					
Topogram	AP 25mA 110kV Lat 25mA 130kV					
kVp/Reference mass	130kv 140mas					
Rotation time/pitch	1.0/0.75					
Detector Configuration	4x0.6					
Table Speed/Increment	1.8					
Dose reduction	Care Dose on					
Allowed CTDI ranges*	7mGy-50mGy					
XR29 Dose Notification value	50mGy					
Helical Set	recon	body part	thickness spacing	kernel	window	recon destination
Slice thickness/spacing	1	thin foot bone	1mmx.7mm	90very sharp	osteo	mpr/pacs
	2	thin foot soft	1mmx.7mm	30smooth	mediastinum	for 3d
	3	foot soft tissue	2mmx 2mm	30smooth	mediastinum	pacs
	4	coronal bone	2mmx 2mm	90very sharp	osteo	pacs
	5	sag bone	2mmx 2mm	90very sharp	osteo	pacs
	6	coronal soft tissue	2mmx 2mm	30smooth	mediastinum	pacs
	7	sag soft tissue	2mmx 2mm	30smooth	mediastinum	pacs
Scan Start/end location	2cm superior to tibial metadiaphysis bottom of foot include all of fx and hardware					
DFOV	25 cm decrease appropriately					
3D Technique Used	do 3d spin with recon 2-if fracture seen					
IV contrast volume/type	100ml -isovue 370- if needed for soft tissue infection or mass					
Scan delay	90seconds-Performed as directed by a the supervising radiologist					
	note: If hardware present use extended ct scale and increase kv to 140 Use sag image for axial and coronal reformats-use coronal image for sag reformat					





