

Foot 16 Sensation

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/Lat 50mA 140kV					
kVp/Reference mass	120kv 120mas					
Rotation time/pitch	0.75/0.75					
Detector Configuration	16x0.75					
Table Speed/Increment	9					
Dose reduction	Care Dose off					
Allowed CTDI ranges*	7mGy-50mGy					
XR29 Dose Notification value	50mGy					
Helical Set	recon	body part	thickness spacing	kernel	window	recon destination
	1	thin foot	.75mmx.5mm	80ultra sharp	osteo	mpr/pacs
	2	foot soft tissue	2mmx 2mm	30smooth	mediastinum	pacs
	3	thin soft	.75mmx.5mm	30smooth	mediastinum	for 3d
	2x2 axial, coronal and sag reformats from recon 1 bone 2x2 axial, coronal and sag reformats from recon 3 soft tissue					
Scan Start/end location	2cm superior to tibial metadiaphysis					
	bottom of foot					
	include all of fx and hardware					
DFOV	25 cm					
	decrease appropriately					
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					
3D Technique Used	do 3d spin with recon 3-if fracture seen					
	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					



