RIH – PEDI ANKLE/FOOT CT
SIEMENS DEFINITION AS20 PROTOCOL

Indication: fracture, dislocation, osteomyelitis, bone injury, bone tumor.

Position/Landmark	Supine , feet first Zero Appropriately
Topogram Direction	Craniocaudal
Respiratory Phase	Any
Scan Type	Helical
Ref kV/Ref mAs/Rotation time (sec) **Pitch / Speed (mm/rotation)** **Safire Strength / Dose Optimization**	Care kV 100 / Care Dose4D 65 / 1 sec .8:1 , 10.00mm 3 / 5
Detector width x Rows = Beam Collimation	0.625mm x 20 = 12.5mm
Average Tube Output	ctdi – 2.0mGy dlp – 60mGy.cm
Helical Set Slice Thickness/ Spacing Algorithm Recon Destination	recon / body part / thickness/ spacing / algorithm / recon destination . 1 **axial soft foot** 3mm x 3mm I40s medium pacs 2 **axial bony foot** 3mm x 3mm I70h very sharp pacs 3 **coronal foot** 3mm x 3mm I70h very sharp pacs 4 **sagittal foot** 3mm x 3mm I70h very sharp pacs 5 **true axial foot** 3mm x 3mm I70h very sharp pacs 6 thin foot .75mm x .7mm I70h very sharp terarecon
Scan Start / End Locations **DFOV**	determined by technologist or radiologist to include the anatomy of interest 18cm decrease appropriately
IV Contrast Volume / Type / Rate	75mL Iohexol (Omnipaque 350) / 2mL per second if needed
Scan Delay	65 seconds
2D/3D Technique Used	Workstream 4D mpr of 3mm x 3mm **coronal and sagittal ankle or foot** series (auto-batch off), average mode, auto-transferred to PACS Also, there is a 3mm x 3mm true axial reformat if needed due to the patient's position.

Comments: Recon 6 is a thin helical volume of the ankle/foot that is archived to the TeraRecon server.

Tarsal Coalition: If tarsal coalition is the clinical indication for the study, reformat true axial, sagittal, and coronal images **in respect to the tarsals/metatarsals**.

Images required in PACS	Topograms, 3mm x 3mm axial ankle/foot bone, 3mm x 3mm axial ankle/foot standard, 3mm x 3mm sagittal ankle/foot, 3mm x 3mm coronal ankle/foot, Patient Protocol