

**RIH – HIP/ACETABULUM
SIEMENS DEFINITION AS+ PROTOCOL**

Indication: trauma, fracture, dislocation, abscess

Position/Landmark	Head first or feet first-Supine 2cm superior to Iliac Crest
Topogram Direction	Craniocaudal / Craniocaudal
Respiratory Phase	Inspiration
Scan Type	Helical
Ref kV/Ref mAs/Rotation time (sec) Pitch / Speed (mm/rotation) Safire Strength / Dose Optimization	Care kV 120 / Care Dose4D 210 / 1 sec .8:1 , 32.00mm 3 / 4
Detector width x Rows = Beam Collimation	0.625mm x 64 = 40mm (128 x .6mm)
Average Tube Output	ctdi – 10.0mGy dlp – 280mGy.cm
Helical Set	
Slice Thickness/ Spacing	body thickness/ recon part spacing
Algorithm	algorithm
Recon Destination	recon destination
	1 axial soft tissue pelvis 5mm x 5mm I40s medium pacs
	2 axial bony pelvis 3mm x 3mm I70h very sharp pacs
	3 coronal pelvis 3mm x 3mm I70h very sharp pacs
	4 coronal oblique hip 3mm x 3mm I70h very sharp pacs
	5 sagittal oblique hip 3mm x 3mm I70h very sharp pacs
	6 thin pelvis .75mm x .6mm I70h very sharp terarecon
Scan Start / End Locations	2cm superior to iliac crest lesser trochanters
DFOV	38cm decrease appropriately
IV Contrast Volume / Type / Rate	
Scan Delay	
2D/3D Technique Used	Workstream 4D mpr of 3mm x 3mm coronal pelvis series, auto-transferred to PACS. Workstream 4D mpr sagittal and coronal unilateral hip reformats , 3.0mm x 3.0mm, auto-transferred to PACS
Comments: Recon 4 is a thin helical volume of the pelvis that is archived to the TeraRecon server.	
Images required in PACS	Topograms, 5mm x 5mm axial soft tissue pelvis, 3mm x 3mm axial bony pelvis, 3mm x 3mm coronal pelvis, 3mm x 3mm coronal and sagittal oblique hip, Patient Protocol