RIH – HIP/ACETABULUM
SIEMENS DEFINITION AS20 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 , 10.00mm 3 / 4
Detector width x Rows = Beam Collimation	0.625mm x 20 = 12.5mm
Average Tube Output	ctdi – 10.0mGy dlp – 280mGy.cm
Helical Set Slice Thickness/ Spacing Algorithm Recon Destination	recon / body part / thickness/ spacing / algorithm / 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 .7mm I70h very sharp terarecon
Scan Start / End Locations **DFOV**	2cm superior to iliac crest lesser trochanters 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