RIH – FACE / ORBITS / SINUS
SIEMENS DEFINITION AS+ PROTOCOL

Application: fracture, tumor, cellulitis, sinusitis

Position/Landmark	Supine head first or feet first 1cm superior to skull vertex
Topogram Direction	Craniocaudal / Craniocaudal
Respiratory Phase	Any
Scan Type	Helical
Ref kV/Ref mAs/Rotation time (sec) **Pitch / Speed (mm/rotation)** **Safire Strength / Dose Optimization**	Care kV 120 / Care Dose4D 100 / 1.0 sec .8:1 , 32.00mm 2 / 3
Detector width x Rows = Beam Collimation	0.625mm x 64 = 40mm (128 x .6mm)
Average Tube Output	ctdi – 8.3 mGy dlp – 185 mGy.cm

Helical Set Slice Thickness/ Spacing Algorithm Recon Destination	recon	body part	thickness/ spacing	algorithm	recon destination .
	1	**axial face soft tissue**	3mm x 3mm	I40s medium	pacs
	2	**axial face bone**	3mm x 3mm	I70h very sharp	pacs
	3	**coronal face bone**	3mm x 3mm	I70h very sharp	pacs
	4	thin face	.75mm x .7mm	I70h very sharp	terarecon

Scan Start / End Locations **DFOV**	**Sinus**: 1cm inferior from the maxilla **Face:** 1cm inferior from the chin 1 cm superior to the frontal sinuses 25cm decrease appropriately
IV Contrast Volume / Type / Rate	70mL Iohexol (Omnipaque 300) / 2mL per second hand or power inject, if required
Scan Delay	50 seconds
2D/3D Technique Used	Workstream 4d mpr 3mm x 3mm **coronal face**, auto transferred to PACS

Comments: This protocol is the routine for all face, sinus, and orbit studies. Recon 2 is a thin bone algorithm for reformats. Coronal reformats, 3mm x 3mm, average mode are routine for this protocol. Use a symmetrical sagittal image as the reformat reference image. The coronal plane is perpendicular to the hard palate.

Do not alter the pitch setting of this protocol.

Images required in PACS	Topograms , 3mm x 3mm sharp axial face/sinus, 3mm x 3mm standard axial face/sinus, 3mm x 3mm sharp coronal face/sinus, Patient Protocol

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