Head Image Guidance   Siemens Flash

Application Examples: pre-op mapping, stryker protocol, BrainLab

Oral Contrast	No
IV Contrast / Volume	*If requested, 80 mL Omnipaque 300
Injection Rate	*1.5 mL/sec

Technical Factors

Care Bolus ROI Location / HU	N/A
Monitoring Delay	N/A
Cycle Time	N/A
Scan Delay	*5 minutes if contrast given
Breath Hold	N/A

Scan Type	Sprial
Detector Collimator	Acq 128 x 0.6 mm
X-Care	On
Care kV	Off / 120 kV
Care Dose 4D	On / 450 mAs
Rotation Time	1.0
Pitch	0.55
Typical CTDIvol	68.93 mGy ± 50%

Topogram: Lateral, 256 mm

Head	Recon Type	Width / Increment	Algorithm	Safire	Window	FOV	Series Description	Networking	Post Processing
Recon 1	Axial	1 x 1	J30s	2	Cerebrum	250	AXIAL 1.0 STND	PACS	None
Recon 2	Axial	1 x 1	J70h	2	Bone	250	AXIAL 1.0 BONE	PACS	None

This protocol is used for surgery. The patient may have fiducial markers attached to head which are used as surgical guides.

Patient Position: Position patient so the IOML is perpendicular to the table, if possible. The patient's head must be in a symmetrical position (no rotation or tilt). Do not use cushions or sponges around head or face. The patient's ears must not touch head holder. The patient should be comfortable and must remain completely still through entire scan. If patient motion occurs, the scan must be repeated.

Scan Instructions: Scan patient with eyes closed. No gantry tilt. No restraints across head or face, but across chin is okay.

Scan Range: Scan below the occlusal surface of teeth (include all of front teeth) and base of skull to 2 cm above the vertex through surgical markers (if applicable). Include entire nose, ears, scalp and top teeth in display FoV.