Purpose: To provide computed tomography staff with the required protocol for performing a routine head CT.

Scope: All adults patients 18 years and older.

Procedure:

Clinical Indication: Gamma knife **image guided localization**

Patient Preparation: None
Orientation: Head first
Breathing: Normal breathing
Oral Contrast: None
IV Contrast per Weight: *If clinically indicated* **1ml/lb or 2ml/kg Visipaque 320 not to exceed 100ml injected @ 3ml/sec**
Coverage: Base of skull through vertex Include the complete facial region including nose, eyes, forehead, tip of the nose and ear lobes
Anatomic Reference: Orbitomeatal line
Scan Delay: If indicated use 35 second fixed delay

Group 1:

Scan Mode	Thickness Speed Pitch	Table Interval	SFOV	kV	Auto mA/ Noise Index	Prep Time (sec)	Recon Type
VCT 1.0 sec Helical Full	1.25 10.62 0.531:1	1.25	Med Body	120	600 6	35 sec	Standard

Algorithm: Recon 1 Standard; 2 Standard 0.625mm
Reformat: None
Network: Recon 1 PACS; Recon 2 to AWSERV; Gamma Knife. Archive image data on compact disc.