Purpose: To provide computed tomography staff with the required protocol for performing a routine temporal bone for semicircular canal CT.

Scope: All adults patients 18 years and older.

Procedure:
Clinical Indication: Dehiscence of Semicircular Canal (possible fistula)
Patient Preparation: None
Orientation: Head first; supine
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: Mastoid tips through temporal bone
Anatomic Reference: Orbitomeatal line
Scan Delay: If indicated use 35 second fixed delay

Group 1: Limit study to IAC's (Call radiologist to localize if needed).

Scan Mode	Thickness Speed Pitch	Table Interval	SFOV	kV	Auto mA/ Noise Index	Prep Time (sec)	Recon Type
LS 16 1.0 sec Helical Full	0.625 0.562 0.562:1	.0625	Head 20cm	120	380 8	N	Bone Standard
VCT 1.0 sec Helical Full	0.625 0.562 0.562:1	.0625	Head 20cm	120	380 8	N	Bone Standard
AS 64 1.0 sec Helical Full	0.8	0.8	200	120	Ref MAS 200	N	Bone Standard

Algorithm: Recon 1-Standard Recon 2-Bone Recon
Reformat: Sagittal and Coronal in standard and bone
Network: Recon 1, 2 and Sagittals and Coronals to PACS; AWSERV