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: Headache, syncope, CVA, ICH, AMS, hydrocephalus, tumor, infection, metastasis
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
Anatomic Reference: Orbitomeatal line
Scan Delay: If indicated use 35 second fixed delay

Group 1: Gantry angle to Orbitomeatal line

Scan Mode	Thickness Speed Pitch	Table Interval	SFOV	kVp	Auto mA/ Noise Index	Prep Time (sec)	Recon Type
LS 16 1.0 sec Axial Full	**5 2i**	**10**	**Head**	**120**	**280 2.8**	**N**	**Standard**
VCT 1.0 sec Axial Full	**5 4i**	**20**	**Head**	**120**	**280 2.8**	**N**	**Standard**
AS 64 2.0 sec Axial	**4.8**	**4.8**	**200**	**120**	**Ref MAS 350**	**N**	**Standard**

Algorithm: Recon 1-Standard Recon 2-Bone Recon 3-Standard 1.25mm Recon 4-Bone 1.25mm
Reformat: Sagittal and Coronal in standard and bone
Network: Recon 1, 2 and Sagittals and Coronals to PACS; Recon 3 and 4 to AWSERV