University Health™	Policy #: Rad Proc 13.12.4
SUBJECT: Angio Head with Bolus Tracking 1.7	Effective: 10/1/2013 Revised: 7/15/2016
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Purpose: To provide computed tomography staff with the required protocol for performing angio head with bolus tracking.

Scope: All adults patients 18 years and older.

Procedure:
Clinical Indication: Vascular abnormalities
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 @ 4ml/sec
Coverage: C2 through vertex
Anatomic Reference: Orbitomeatal line
Scan Delay: Smart prep the aorta

Group 1: Start at C2 through above the vertex

Scan Mode	Thickness Speed Pitch	Table Interval	SFOV	kV	Auto mA/ Noise Index	Prep Time (sec)	Recon Type
LS 16 0.8 sec Helical Full	1.25 9.37 0.938:1	1.25	Large 23	140	440 6	N	Bone Standard
VCT 0.8 sec Helical Full	1.25 9.37 0.938:1	1.25	Large 23	140	440 6	N	Bone Standard
AS 64 0.8 sec Helical	1	1	260	120	Ref MAS 350	N	Bone Standard

Algorithm: Recon 1-Standard; Recon 2-Standard 0.625mm Recon 3-Bone 0.625mm
Reformat: Axial, Sagittal and Coronal MIPS
Network: Recon 1 Axial, Sagittal and Coronal MIPS to PACS; Recon 2 and 3 to AWSERV

NOTES:
The protocol is loaded, however below is how to perform MIPs on Siemen's:

- **Load exam into exam card**
- **Add recon job**
- **Click 3D box**
- **Description - SAGITTAL MIP OR CORONAL MIP**
- **Recon axis – SAGITTAL OR CORONAL**
- **Type – MIP Thin**
- **Slice – 6 mm**
- **Increment – 3 mm**
- **Window – CT Angio**

How to perform MIPS on GE scanners

- **Images works to Reformat**
- **Move thickness bar to 6mm**
- **Batch**
- **Spacing between images is 3**
- **Slice thickness is 6**
- **Mode is MIP**
- **FOV is same as on scan**
- **Label correct view i.e. sagittal MIP**