University Health™	Policy #: Rad Proc 14. 14. 5
SUBJECT: MRA BRAIN	**Effective: 10/01/2013** **Reviewed: 02/2015; 02/2017**
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Purpose: To Provide MRI staff approved protocol for performing a MRA Brain
ORIENTATION: HEAD FIRST/SUPONE COIL: HNS HEAD/STANDARD HEAD

MRA BRAIN

PLANE	3 PLN LOC	AX 3D TOF 3 SLABS	AX FAST CINE PC R/L	AX FAST CINE PC A/P
SEQ	GRE	VASC TOF SPGR	VASC PC	VASC PC
MODE	2D	3D	2D	2D
IMAGING OPTIONS	SEQ/FAST	FC/EDR/Z512/Z2	FC/GAT/SEQ/FAST	FC/GAT/SEQ/FAST
TE		6.9		
TR		25		
FLIP ANGLE		15	20	20
ETL				
BW		31.25	15.63	15.63
FOV	24	24	30	30
SLICE THICKNESS	5	1.6	10	10
SLICE SPACING	5	LOCS/SL 32	0	0
Overlap Locs.		6		
Frequency	256	384	256	256
Phase	128	224	128	128
NEX	1	1	1	1
PHASE FOV	1	0.75	0.75	0.75
FREQ DIR	UNSWAP	S/I	A/P	A/P
FLOW COMP DIR				
SHIM	AUTO	AUTO	OFF	OFF
PHASE CORRECT	OFF	OFF	OFF	OFF

Note: Additional sequences may be requested at the discretion of the Radiologist monitoring the exam.

NOTES: Superior sat. Ramp pulse: I/P/L.

FAST CINE PC: Include this sequence for old and follow up strokes. Acquire the images true axial, no obl acquisitions (10-12 sl). Use peripheral gating for image acquisition.

ACA A/P

MCA R/L

Circle of Willis A/P

VASC SCREEN

Flow recon type: phase diff

Venc 200

Acq flow DIR images R/L

Collapse: off

Flow Analysis: On

To reconstruct the images: Click on IVI. Once in this screen, click on the coronal image. Next, click on batch and place slices to result in an axial image. Change the slice thickness to 2.0. Then click save.