 University Health™	Policy #: Rad Proc 14. 14. 24
SUBJECT: CONTRAST ENHANCED MRA NECK	Effective: 10/1/2013 Reviewed: 2/2015: 2/2017
APPROVED BY: Eduardo Gonzalez-Toledo, MD PhD	Page 1 of 2


Purpose: To provide MRI staff with approved protocol for performing an Contrast enhanced MRA neck.
ORIENTATION: HEAD FIRST/SUPINE **Coil:** HNS NV FULL

EXAM: CONTRAST ENHANCED MRA NECK

PLANE	3 PLN LOC	SAG 2D PC	COR CE MRA FT elliptic	OP COR TRICKS W/MASK
SEQ	GRE	VASC PC	VASC TOF SPGR	TRICKS
MODE	2D	2D	3D	3D
IMAGING OPTIONS	SEQ/FAST	FC	FAST/ZIP2/FLUORO/Mph	FAST/ZIP2
TE			MIN	MIN
TR		33		
TI				
FLIP ANGLE		20	30	25
ETL				
BW		19.23	50	62.50
FOV	45	35	32	32
SLICE THICKNESS	5	60	2	2
SLICE SPACING	10	0	LOCS/SL 44	LOCS/SL 40
Frequency	256	256	360	320
Phase	128	192	224	224
NEX	1	3	1	0.5
PHASE FOV	1	1	1	0.8
FREQ DIR	UNSWAP	S/I	S/I	S/I
FLOW COMP DIR				
SHIM	AUTO	AUTO	AUTO	AUTO
PHASE CORRECT	OFF	OFF		OFF

NOTES: Use Multihance if sedated for this exam, Use 0.2 mL/kg body weight for age 2 and older per Dr. Gonzalez Toledo ; under age 2 consult Radiologist

TRICKS: After starting the scan, the mask will be acquired. A green light will then appear on the keyboard. Press the green button and inject at the same time. ***Make sure the temporal resolution stays well below 5 to prevent early venous contamination.*** The protocol is set to acquire 10 phases. Select the best of the 10 phases to IVI. Send the mask, the 10 images, the best phase, and any reformats you create to PACS. Do not send the entire tricks portion of the exam to PACS.

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Ce MRA fluoro: First, acquire the mask. Next, the scanner will pause. Then launch the fluoro trigger screen. Use the draw line feature to define the localizer. To obtain a new localizer, click on GO within the fluoro image window. Once you are pleased with the localizer, inject contrast and watch it arrive in the vessel of interest. When contrast arrives in the vessel of interest, hit GO 3D. This will initiate the actual scan (arterial phase).

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