

CTA CAROTID					
Protocol to Use	1.8 CTA Carotid				
HDI/VDI					
Patient position:	Supine Head First				
Exam specific instructions:	CTA Neck(Carotid neck) extends from the aortic arch to the top of C1				
Indication:	Carotid/bruit, vascular disease/malformation, trauma.				
Notes:					
CONTRAST:	Oral:	None			
	IV:	75mL Omnipaque 350 + 20ml Saline Pre-Flush and 30ml Saline Post-Flush @ 5mL/sec			
 SERIES 1: Dual Scout	GE kV/mA				
GE	GE 64 2nd FL	GE 64 ER	GE 64 OLY	GE CT ES ER	PET CT
	OM S150/I300	OM S75/I250	OM S75/I250	S50/I300	
 SMART PREP: Draw circle ROI on Aortic Arch					
GE	GE 64 2nd FL	GE 64 ER	GE 64 OLY	GE CT ES ER	PET CT
	Smart Prep				
On	Active	Active	Active	Active	
Dynamic transition	Active	Active	Active	Active	
Monitor location	I200	I200	I200	I100	
mA	40	40	mA 80	50	
Monitor delay	8	8	8	8	
Monitoring ISD	1	1	1	1	
Enhance Thres	80	80	80	100	
Auto localizer	Active	Active	Active	Active	
Voice message	Off	4/Active	Active	Off	
Auto min delay	Off	Active	Active	Active	
XR29 Dose Notification (mGy)	110	110	110	110	
 SERIES 2: Scan caudocranial from mid arch to top of C1					
GE	GE 64 2nd FL	GE 64 ER	GE 64 OLY	GE CTS ER	PET CT
Scan Type	Helical	Helical	Helical	Helical	
Detector Config (mm)	40	40	40	40	
Rotation	0.4	0.4	0.4	0.5	
Speed	0.9/39.37	0.9/39.37	39.37	0.9	
SFOV	Small Body	Small Body	Small Body	Large Body	
kV	120	120	120	120	
mA Range	200-525	200-525		200-525	
NI	5.2	5.2	9.9	6.2	
Prep Group	N/A	Smart Prep	Smart Prep	Smart Prep	
DFOV	20	20	18	20	
% Dose Reduction	40	40	40	N/A	
ASIR	40	40	50	40	
CTDI Range (mGy)	9.15	9.15	10-24	18.15	
XR29 Dose Notification (mGy)	50	24	50		

	RECON 1	RECON 2	REFORMAT 1	REFORMAT 2	RECON 3
Series Descripton	CTA Axial	Thin Carotid	MIP Cor 7X1	Sagittal ST	Lung
Type	Axial	Axial	Coronal	Sagittal	Axial

Start	Carina	Carina	Anterior	Left	Apicies
End	Top of C1	Top of C1	Posterior	Right	Carina
Angle	0	0	0	0	0
Image Order		Cranialcaudal	Ant to Post	Left to Right	Cranialcaudal
Filter	Standard	Standard	Standard	Standard	Lung
Windowing	C80/W800	C300/W880	C80/W800	C80/W800	C-500/W200
Render Mode	Average	Average	MIP	Average	Average
Slice	1.25	0.625	7	2.5	2.5
Increment	1.25	0.625	1	2.5	2.5
FOV in mm	20	20	20	20	20

Send to PACs
Approving Radiologist / Review Date: Dr. Jacob Thomas 1/21/2020