

# CTA CAROTID Siemens GO ALL

Indications	<b>Severe headaches, memory loss, slurred speech, dizziness, blurred or double vision.</b>					
Diagnostic Task	<b>Detect carotid aneurysms, narrowing or a blockage of arteries</b>					
Scan mode	<b>Helical</b>					
Position/Landmark	<b>Head first or feet first-Supine 1cm superior to eam</b>					
Topogram	<b>lateral 15mAs 110kVp</b>					
kVp/Reference mass	<b>110kv 108mAs</b>					
Rotation time/Pitch	<b>0.8/ 1.2</b>					
Detector Configuration	<b>32x0.7</b>					
Table Speed	<b>26.88</b>					
Dose reduction	<b>Care Dose 4D</b>					
Allowed CTDI ranges*	<b>30mGy-80mGy</b>					
XR29 Dose Notification value	<b>80mGy</b>					
Helical Set	body		thickness	recon		
	recon	part	spacing	kernel	window	destination
	1	neck cta	.8mmx.8mm	Bv36	Angio	pacs
	2	Cor MIP	4mmx1mm	Bv36	Angio	pacs
	3	Sag Neck	2mmx2mm	Bv36	Angio	pacs
	4	Rt Carotid	1mmx1mm	Bv48	Angio	pacs
	5	Lt Carotid	1mmx1mm	Bv48	Angio	pacs
Scan Start/End	<b>1cm below aortic arch</b>					
	<b>1cm above circle of willis</b>					
DFOV	<b>25cm decrease appropriately</b>					
IV contrast volume/rate	<b>60ml isovue 370 3-4cc/se Performed as directed by the supervising radiologist</b>					
	<b>contrast should be injected into RT arm if possible</b>					
Scan Delay	<b>bolus track at arch, trigger is + 100</b>					
<b>NOTE*</b>	The Diagnostic Reference Dose (CTDI vol) is 75mGy(with 16cm CTDI phantom). The pass/fail limit (ACR and Washington state)					
	is 80mGy. Most routine head scans on modern scanners have CTDIvol ranges between 40 and 60mGy.					
	*The AAPM recommended NEXA XR29 Dose Notification Value for an adult head is 80mGy. The maximum CTDIvol should match					
	the dose notification value. Exams with CTDI vol values less than the minimum allowed range should not be performed unless					