

# CTA CAROTID 64 Sensation

Indications	<b>Severe headaches, memory loss, slurred speech, dizziness, blurred or double vision.</b>					
Diagnostic Task	<b>Detect carotid aneurysms, narrowing or a blockage or arteries</b>					
Scan Mode	Helical					
Position/Landmark	Head first-Supine 1cm superior to EAM					
Topogram	AP 60mA 120kV					
kVp/Reference mass	120kVp 350mAs					
Rotation time/Pitch	0.5sec/0.8					
Detector Configuration	64x0.6					
Table Speed	30.72					
Dose reduction	Care Dose 4D					
Allowed CTDI ranges*	30mGy-80mGy					
XR29 Dose Notification va	80mGy					
Helical Set	body	thickness			recon	
	recon part	spacing	kernel	window	destination	
	1 neck cta axial	.75mmx.7	H45f	mediastinum	pac	
	2 coronal MIP	4mmx1mm	20smooth	ct angio	pac	
	3 rt sag oblique MPR	1mmx1mm	20smooth	ct angio	pac	
	4 lt sag oblique MPR	1mmx1mm	20smooth	ct angio	pac	
5 sag neck MPR	2mmx2mm	20smooth	ct angio	pac		
Scan Start/End	1cm below aortic arch					
	1cm above circle of willis					
DFOV	18cm decrease appropriately					
IV contrast volume/rate	60ml isovue 370 3-4cc/sec Performed as directed by the supervising radiologist					
	contrast should be injected into RT arm if possible					
Scan Delay	bolus track at arch, trigger is + 100					
NOTE:	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					

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Approved by Dr Walker