

CTA Carotid 64 Toshiba

Indications	Severe headaches, memory loss, slurred speech, dizziness, blurred or double vision.				
Diagnostic Task	Detect carotid aneurysms, narrowing or a blockage of arteries				
Scan mode	Helical				
Position/Landmark	Head or feet first-Supine				
Topogram	AP mA 50 kV 120 Lat 50 mA 120 kV				
kVp/Reference mass	120kv 300mA Sure Exp 3D OFF				
Rotation time/pitch	0.5/0.641				
Detector Configuration	64x0.5				
Table Speed/Increment	20.5				
Dose reduction	na				
Allowed CTDI ranges*	30mGy-80mGy				
XR29 Dose Notification value	80mGy				
Helical Set		body	thickness		recon
	recon	part	spacing	algorithm	destination
	1	carotid	3mmx3mm	standard	none
	2	cta carotid thin	0.5mmx .5mm	standard	pac
	3	coronal MIP	4mmx1mm	standard	pac
	4	lt sag oblique MPR	1mmx1mm	standard	pac
	5	rt sag oblique MPR	1mmx1mm	standard	pac
6	sag neck MPR	2mmx2mm	standard	pac	
Scan Start/end location	1cm below aortic arch				
	1cm above circle of willis				
DFOV	18cm decrease appropriately				
IV contrast volume/type	60ml isovue 370 3-4cc/sec Performed as directed by the supervising radiologist				
	contrast should be injected into RT arm if possible				
Scan delay	manual-start scan when you see blush in ascending aorta				
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				

bolus track at arch, trigger is + ?	at arch,	at arch,
-------------------------------------	----------	----------

at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,	at arch,
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------