

Quantum Imaging and Therapeutic Associates

Carotid CTA – Toshiba Aquilion One / 64

Indications	Carotid stenosis, dissection
Position / Landmark	Supine / sternal notch
Scan Type	Helical
Start / End Locations	Aortic arch / circle of Willis
FOV	18 cm (or as small as feasible)
kV / mA	120 kV / Sure Exposure
Slice Thickness/Interval	3 mm x 3 mm
IV Contrast Volume / Rate	75 cc Omni 350 @ 4 cc/s
Scan Delay / Sure Start	1. Sure Start ROI in aortic arch, trigger at 120 HU, OR 2. Manually trigger scan when ICAs visible at C2.
Oral Contrast	None
MPR	Coronal 3 mm x 3 mm, sagittal 3 mm x 3 mm, right and left sagittal oblique 20 mm x 2 mm MIP of carotids
Images to PACS	Scouts, axial CTA, MPR
Comments / Special	If ordered as part of LVO Alert, send axial, coronal, and sagittal images to PACS prior to processing MIPs.