

Quantum Imaging and Therapeutic Associates

Carotid and Brain CTA – Toshiba Aquilion One / 64

Indications	CoW aneurysm, carotid stenosis
Position / Landmark	Supine / sternal notch
Scan Type	Helical
Start / End Locations	Noncontrast: Skull base / vertex CTA: Aortic arch / vertex
FOV	Noncontrast: 25 cm (or as small as feasible) CTA: 18 cm
kV / mA	120 kV / Sure Exposure
Slice Thickness/Interval	Noncontrast: 5 mm x 5 mm CTA: 1 mm x 1 mm
IV Contrast Volume / Rate	75 cc Omni 350 @ 4 cc/s
Scan Delay / Sure Start	Noncontrast: N/A CTA: 1. Sure Start ROI in aortic arch, trigger at 120 HU, OR 2. Manually trigger when ICAs visible at C2.
Oral Contrast	None
MPR	Noncontrast: coronal and sagittal 5 mm x 5 mm CTA brain: coronal and sagittal 1 mm x 1 mm; axial, coronal, and sagittal 20 mm x 2 mm MIP CTA carotids: 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 noncontrast brain, axial CTA brain, axial CTA carotids, MPR
Comments / Special	1. Noncontrast brain can be omitted if performed earlier as a separate exam. 2. If ordered as part of LVO Alert, send axial, coronal, and sagittal images to PACS prior to processing MIPs.