

Quantum Imaging and Therapeutic Associates

Chest CTA – Toshiba Aquilion One / 64

Indications	Aortic aneurysm, dissection
Position / Landmark	Supine / Sternal notch
Scan Type	Helical
Start / End Locations	Noncontrast: 1 cm above lung apices / adrenals CTA: 1 cm above lung apices / adrenals
FOV	38 cm (or as small as feasible)
kV / mA	120 kV / Sure Exposure
Slice Thickness/Interval	Noncontrast: 5 mm x 5 mm CTA: 2.5 mm x 2.5 mm
IV Contrast Volume / Rate	75 cc Omni 350 @ 4 cc/s
Scan Delay / Sure Start	Noncontrast: N/A CTA: Sure Start ROI in proximal thoracic aorta
Oral Contrast	None
MPR	Coronal and sagittal CTA 5 mm x 5 mm, volume rendering of vessels in 15 degree intervals
Images to PACS	Scouts, axial noncontrast soft tissue, axial noncontrast lung, axial CTA (soft), MPR
Comments / Special	For detection of endograft leak, add 5 mm x 5 mm delayed acquisition through the graft only 60-70 seconds after CTA acquisition.