

CTA Abdominal Aorta – Urgent/Acute (AAS)

Maximum CTDI 65

GE- 6002

Indication: *Aneurysm Leak –3D post processing*

Note: If order does not include pelvis you must ensure that you scan through the entire aneurysm – even if that means you scan down into the pelvis.

PT Prep: NO Oral
IV contrast – Yes (follow IV contrast administration guidelines) 20g to 18 g peripheral IV needed for contrast administration

Series 1: Scouts AP & LAT – Supine “O” at Xiphoid Process S20 to I450

Series 2: **Unenhanced** - Scan from dome of liver to bottom of symphysis pubis

Technique:

	750HD (128) CT2	Optima 660 OVIC	Optima 660 CT1	VCT (64) CT3
Noise Level	15.86	19.80	11.60	11.60
Interval	2.5 mm	2.5 mm	2.5 mm	2.5 mm
Axial/Helical Thickness	2.5 mm	2.5 mm	2.5 mm	2.5 mm
Pitch	0.984:1	1.375:1	0.984:1	0.984:1
Speed mm/rotation	39.37	55	39.37	39.37
Detector Rows				
Detector Configuration				
Beam Collimation	40mm	40mm	40mm	40mm
Kv/mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA
Scan Type	Helical Full 0.7 sec	Helical Full 0.7 sec	Helical Full 0.7 sec	Helical Full 0.7 sec

Series 3: **Enhanced** Scan –100cc of IV contrast @ 4cc/sec (Contrast dose may be adjusted based on CrCl)
Scan from lung bases to bottom of symphysis pubis.

Begin **Smart Prep** at the celiac artery with threshold +100 HU

Optional Series 4:

Delay: of 60 seconds to look for subtle leak **ONLY** if the patient has a graft/stent

Original Date: 4-8-04

Approved by: Dr. Reh fuss , MCR

Revised Date: 11-9-04, 1-11-10, 9-16-10 12/8/10 04/17/13 12/15/2015 2/28/18

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Networking/ PACs: Send scouts
Send series 2 and 3 Standard Soft Tissue Algorithm
Recon and send lung images in Lung Algorithm
Recon and send bone images with Bone Algorithm
Recon and send MPR images in Standard Algorithm
Recon and send MIPS to PACS
Send thins to 3D workstation
Record DLP in PACS comments

Original Date: 4-8-04

Approved by: Dr. Songmen , MCR

Revised Date: 11-9-04, 1-11-10, 9-16-10 12/8/10 04/17/13 12/15/2015 2/28/18, 4/11/24
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