

**CT Abdominal Aorta (Abd/Pelvis)**  
**Post Stent or Post Stent MMS (M2S) Protocol**  
**Maximum CTDI 100**

**GE- 6002-1**

Indication: To evaluate size of aneurysm status post stent placement. Check aneurysm for leakage

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 I550

Series 2: **Unenhanced** scan to look for calcium in thrombus around graft.  
 Scan from just above stent graft (must include Celiac Axis) through the bottom of the stent graft

Technique:

	<b>128 slice</b>	<b>32 slice w/ASIR</b>	<b>64 slice</b>	<b>64 slice w/ASIR 30%</b>
Noise Level	15.86	15.86	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	27.5	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 0.8 sec	Helical Full 0.7 sec	Helical Full 0.8 sec	Helical Full 0.8 sec

Series 3: **Enhanced** Scan –100cc of IV contrast @ 4cc/sec (Contrast dose may be adjusted based on CrCl)

Scan from the celiac axis to the lesser trochanter with a bolus injection of 4cc per second.  
**Smart Prep** cursor just above celiac axis (begin scan here). Instruct patient to hold their breath.  
 Do entire scan in one acquisition.

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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	27.50	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 0.5 sec	Helical Full 0.7 sec	Helical Full 0.5 sec	Helical Full 0.5 sec

Series 4: Repeat series 3 after **70 sec delay**, top of graft to bottom of graft.

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Noise Level	15.86	15.86	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 0.5 sec	Helical Full 0.7 sec	Helical Full 0.5 sec	Helical Full 0.5 sec

Networking/ PACs: Send scouts  
 Send series 2,3,4 Standard Soft Tissue Algorithm  
 Send thinnest recons to 3D workstation and to M2S (MMS)  
 Recon and send series 3 lung images in Lung Algorithm 5 x 5  
 Recon and send series 3 bone images with Bone Algorithm 5 x 5  
 Recon and send MPR images in Standard Algorithm  
 Recon and send MIPS of series 3  
 Record DLP in PACS comments

Original Date: 4-8-04

Approved by: Dr. Rehfuss , MCR

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