

# CT Abdomen/Pelvis Hypervascular Malignancy

GE- 6001

Maximum CTDI 25

Indication: Hypervascular malignancy (melanoma, neuroendocrine, carcinoid, islet cell, pheochromocytoma, GIST(gastrointestinal stromal tumor), sarcomas, thyroid, gastric mass.

PT Prep: Negative Oral contrast (water) – Yes

\*\*If patient had CT barium do not reschedule, give water prior to scan.

IV contrast – Yes (follow IV contrast administration guidelines)

22g to 18 g peripheral IV needed for contrast administration

Place marker if indication is “palpable mass”

Series 1: Scouts AP & LAT – Supine “O” at Xiphoid Process S20 to I500

Series 2: Unenhanced - Scan from above diaphragm to symphysis pubis.

	128 slice	32 slice w/ASIR	64 slice	64 slice w/ASIR 50%
Noise Level	18.23	14.64	11.60	11.60
Interval	2.5mm	2.5mm	2.5mm	2.5mm
Axial/Helical Thickness	2.5mm	2.5mm	2.5mm	2.5mm
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 0.8 sec	Helical Full 0.7 sec	Helical Full 0.7 sec	Helical Full 0.8 sec

Series 3: Arterial Phase Scan from above diaphragm to symphysis pubis.

Inject 100cc of IV contrast @ 3cc/sec. (Contrast dose may be adjusted based on CrCl)

Technique - Delay 35 Seconds

	128 slice	32 slice w/ASIR	64 slice	64 slice w/ASIR 50%
Noise Level	18.23	14.64	11.60	11.60

Original Date: 4-8-04

Revised Date: 11-9-04, 1-11-10, 9-16-10 12/8/10 04/17/13 12/15/2015 2/27/18

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Interval	2.5mm	2.5mm	2.5mm	2.5mm
Axial/Helical Thickness	2.5mm	2.5mm	2.5mm	2.5mm
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 0.8 sec	Helical Full 0.7 sec	Helical Full 0.7 sec	Helical Full 0.8 sec

Series 4: Venous phase - Scan from above diaphragm to symphysis pubis.

Technique: Delay: 70 seconds

	128 slice	32 slice w/ASIR	64 slice	64 slice w/ASIR 50%
Noise Level	18.23	14.64	11.60	11.60
Interval	2.5mm	2.5mm	2.5mm	2.5mm
Axial/Helical Thickness	2.5mm	2.5mm	2.5mm	2.5mm
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 0.8 sec	Helical Full 0.7 sec	Helical Full 0.7 sec	Helical Full 0.8 sec

Networking/ PACs: Send scouts

Send all series Standard Soft Tissue Algorithm

Recon and send series 3 lung images in Lung Algorithm 2.5mm

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# CT Abdomen/Pelvis Hypervascular Malignancy

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*Maximum CTDI 25*

Recon and send series 3 bone images with Bone Algorithm

Recon and send all series MPR images in Standard Algorithm

Record DLP in PACS comments

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