Liver 4 phase Siemens GO ALL

Indications	New liver lesion with hx of hepatocelluar dysfunction or cirrhosis, New HCC, Baseline Cirrohsis,					
	f/u HCC status post TACE or ablation, F/u met disease post ablation					
Diagnostic Task	Detect masses, abscess					
Scan mode	Helical					
Position/Landmark	2cm superior to xiphoid/Inspiration					
Topogram	AP 110kV 15mA					
kVp/Reference mass	130kv 99mas					
Rotation time/pitch	0.5/0.8					
Detector Configuration	32x0.7					
Table Speed/Increment	17.92					
Dose reduction	CareDose 4D					
Allowed CTDI ranges*	7mGy-50mGy					
XR29 Dose Notification value	50mGy					
Helical Set #1			body	thickness		recon
noncon	recon		part	spacing	kernel	window	destination
	1	abd		2mmx 2mm	Br40	abdomen	pacs
Helical Set #2			body	thickness		recon
40sec	recon		part	spacing	kernel	window	destination
	1	abd	axial	2mmx 2mm	Br40	abdomen	pacs
	2	abd	Cor	2mmx 2mm	Br40	abdomen	pacs
	3	abd	Sag	2mmx 2mm	Br40	abdomen	pacs
Helical Set #3			body	thickness		recon
70sec	recon		part	spacing	kernel	window	destination
	1	abd	axial	2mmx 2mm	Br40	abdomen	pacs
	2	abd	Cor	2mmx 2mm	Br40	abdomen	pacs
	3	abd	Sag	2mmx 2mm	Br40	abdomen	pacs
Helical Set #4			body	thickness		recon
5min	recon		part	spacing	kernel	window	destination
	1	abd	axial	2mmx 2mm	Br40	abdomen	pacs
	2	abd	Cor	2mmx 2mm	Br40	abdomen	pacs
	3	abd	Sag	2mmx 2mm	Br40	abdomen	pacs
Scan start/end location	1cm superior to diaphragm						
for both helical sets	iliac crest						
IV contrast volume/rate	75ml < 200lbs, 100ml 200-250lbs, 125ml>250lbs isovue 370 4cc/sec						
Scan delay	Performed as directed by a supervising radiologist						
	non con/40sec-arterial/ 70sec-venous/5min						
	WITH WATER PREP AND IV CONTRAST						

Approximate Values for CTDIvol

Patient size	weight(kg)	weight(lbs)	CTDIvol(mGy)
SMALL	50-70	110-155	10-17
AVERAGE	70-90	155-200	15-25
LARGE	90-120	200-265	22-35

NOTE*

*The AAPM recommended NEMA XR29 Dose Notification Value for an adult torso is 50mGy. Dose Notification levels less than the AAPM recommended can be set. The maximum CTDI vol should match the dose notification value. Exams with CTDI vol values less than the minimum allowed range should not be performed unless approved by a radiologist.

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