Liver 3 phase+Pelvis 64 Sensation

Indications	For New liver lesion, follow up-hcc, adenoma, FNH, hypervascular mets, cholongiocarcinoma
Diagnostic Task	Detect masses, abscess
Scan mode	Helical
Position/Landmark	2cm superior to xiphoid/Inspiration
Topogram	AP 50mA 120kV
kVp/Reference mass	120kv 200mas/100kv if pt under 140lbs
Rotation time/pitch	0.5/0.8
Detector Configuration	24x1.2
Table Speed/Increment	23.04
Dose reduction	CareDose 4D
Allowed CTDI ranges*	7mGy-50mGy
XR29 Dose Notification value	50mGy

Helical Set #1 40sec

recon	body part	thickness spacing	kernel	window	recon destination
1	abd	2mmx 2mm	31medium smooth	mediastinum	pacs
2	coronal abdomen	2mmx2mm	31medium smooth	mediastinum	pacs
3	sag abdomen	2mmx2mm	31medium smooth	mediastinum	pacs

Helical Set #2 70sec

recon	body part	thickness spacing	kernel	window	recon destination
1	abd/pevis	2mmx 2mm	31medium smooth	mediastinum	pacs
2	coronal abd/pel	2mmx2mm	31medium smooth	mediastinum	pacs
3	sag abd/pel	2mmx2mm	31medium smooth	mediastinum	pacs

Helical Set #3 5min

recon	body part	thickness spacing	kernel	window	recon destination
1	abd	2mmx 2mm	31medium smooth	mediastinum	pacs
2	coronal abdomen	2mmx2mm	31medium smooth	mediastinum	pacs
3	sag abdomen	2mmx2mm	31medium smooth	mediastinum	pacs

Scan start	1cm superior to diaphragm
Scan end	40sec and 5min-iliac crest/// 70sec lesser throchanter
DFOV	40cm decrease appropriately
IV contrast volume/rate	75ml < 200lbs, 100ml 200-250lbs, 125ml>250lbs isovue 370 4cc/sec
	Performed as directed by a supervising radiologist
Scan delay	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

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allowed range should not be performed unless approved by a radiologist.