

Liver 3 phase 64 GE

Indications	For New liver lesion, follow up-hcc, adenoma, FNH, hypervascular mets, cholangiocarcinoma			
Diagnostic Task	Detect masses, abscess			
Scan mode	Helical			
Position/Landmark	Head first-Supine Xiphoid S50-I500			
Topogram	AP 120kV 20mA Lat 120kV 40mA			
kVp/Reference mass	120kv Auto mA (300-700)			
Rotation time/pitch	0.5/0.984:1			
Detector Configuration	64x0.625			
Table Speed/Increment	39.37			
Dose reduction	Noise Index 15.86			
Allowed CTDI ranges*	7mGy-50mGy			
XR29 Dose Notification value	50mGy			
Helical Set#1 40sec		body	thickness	recon
	recon	part	spacing	algorithm
				destination
	1	abdomen	2.5mmx 2.5mm	standard
2	sag abdomen	2mmx2mm	standard	pac
3	coronal abdomen	2mmx2mm	standard	pac
Helical Set#2 70sec		body	thickness	recon
	recon	part	spacing	algorithm
				destination
	1	abdomen	2.5mmx 2.5mm	standard
2	sag abdomen	2mmx2mm	standard	pac
3	coronal abdomen	2mmx2mm	standard	pac
Helical Set #3 5min		body	thickness	recon
	recon	part	spacing	algorithm
				destination
	1	abdomen	2.5mmx 2.5mm	standard
2	sag abdomen	2mmx2mm	standard	pac
3	coronal abdomen	2mmx2mm	standard	pac
Scan start/end location	1cm superior to the crest			
for both helical sets	iliac crest			
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			
	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.			

