

# Liver 3 phase+Pelvis 64 GE

<b>Indications</b>	For New liver lesion, follow up-hcc, adenoma, FNH, hypervascular mets, cholangiocarcinoma			
<b>Diagnostic Task</b>	Detect masses, abscess			
<b>Scan mode</b>	Helical			
<b>Position/Landmark</b>	Head first-Supine Xiphoid S50-I500			
<b>Topogram</b>	AP 120kV 20mA Lat 120kV 40mA			
<b>kVp/Reference mass</b>	120kv Auto mA (300-700)			
<b>Rotation time/pitch</b>	0.5/0.984:1			
<b>Detector Configuration</b>	64x0.625			
<b>Table Speed/Increment</b>	39.37			
<b>Dose reduction</b>	Noise Index 15.86			
<b>Allowed CTDI ranges*</b>	7mGy-50mGy			
<b>XR29 Dose Notification value</b>	50mGy			
<b>Helical Set#1 40sec</b>		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
<b>Helical Set#2 70sec</b>		body	thickness	recon
	recon	part	spacing	algorithm
				destination
	1	abdomen/pelvis	2.5mmx 2.5mm	standard
2	sag abd/pel	2mmx2mm	standard	pac
3	coronal abd/pel	2mmx2mm	standard	pac
<b>Helical Set #3 5min</b>		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
<b>Scan start</b>	1cm superior to diaphragm			
<b>Scan end</b>	40sec and 5min-iliac crest//// 70sec lesser throchanter			
<b>IV contrast volume/rate</b>	75ml < 200lbs, 100ml 200-250lbs, 125ml>250lbs isovue 370 4cc/sec			
	Performed as directed by a supervising radiologist			
<b>Scan delay</b>	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.			

