

Liver 4 phase Siemens GO

Indications	New liver lesion with hx of hepatocellular 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	0.8/0.8																														
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 noncon	<table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">body</td> <td style="text-align: center;">thickness</td> <td></td> <td></td> <td style="text-align: center;">recon</td> </tr> <tr> <td style="text-align: center;">recon</td> <td style="text-align: center;">part</td> <td style="text-align: center;">spacing</td> <td style="text-align: center;">kernel</td> <td style="text-align: center;">window</td> <td style="text-align: center;">destination</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">abd</td> <td style="text-align: center;">2mmx 2mm</td> <td style="text-align: center;">Br40</td> <td style="text-align: center;">abdomen</td> <td style="text-align: center;">pacs</td> </tr> </table>		body	thickness			recon	recon	part	spacing	kernel	window	destination	1	abd	2mmx 2mm	Br40	abdomen	pacs												
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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.

