

Liver 3 phase 16 Sensation

Indications	For New liver lesion, follow up-hcc, adenoma, FNH, hypervascular mets, cholangiocarcinoma																
Diagnostic Task	Detect masses, abscess																
Scan mode	Helical																
Position/Landmark	2cm superior to xiphoid/Inspiration																
Topogram	AP 120kV 50mA																
kVp/Reference mass	120kv 160mas/100kv if pt under 140lbs																
Rotation time/pitch	0.5/0.75																
Detector Configuration	16x0.75																
Table Speed/Increment	9																
Dose reduction	CareDose 4D																
Allowed CTDI ranges*	7mGy-50mGy																
XR29 Dose Notification value	50mGy																
Helical Set #1	body thickness recon																
40sec	recon part spacing kernel window destination																
	1 abd 2mmx 2mm 31medium smooth mediastinum pacs																
	2 thin abd 1mmx.8mm 31medium smooth mediastinum for mpr																
	2x2 coronal and sag abd reformats from helical set #1, recon 2																
Helical Set #2	body thickness recon																
70sec	recon part spacing kernel window destination																
	1 abd 2mmx 2mm 31medium smooth mediastinum pacs																
	2 thin abd 1mmx.8mm 31medium smooth mediastinum for mpr																
	2x2 coronal and sag abd reformats from helical set #2, recon 2																
Helical Set #3	body thickness recon																
5min	recon part spacing kernel window destination																
	1 abd 2mmx 2mm 31medium smooth mediastinum pacs																
	2x2 coronal and sag abd reformats from helical set #3, recon 2																
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																
	40sec-arterial/ 70sec-venous/5min																
	WITH WATER PREP AND IV CONTRAST																
	Approximate Values for CTDIvol																
	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Patient size</th> <th style="width: 20%;">weight(kg)</th> <th style="width: 20%;">weight(lbs)</th> <th style="width: 30%;">CTDIvol(mGy)</th> </tr> </thead> <tbody> <tr> <td>SMALL</td> <td>50-70</td> <td>110-155</td> <td>10-17</td> </tr> <tr> <td>AVERAGE</td> <td>70-90</td> <td>155-200</td> <td>15-25</td> </tr> <tr> <td>LARGE</td> <td>90-120</td> <td>200-265</td> <td>22-35</td> </tr> </tbody> </table>	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
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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.																

