

# Liver 3 phase+Pelvis 16 Sensation

<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>	2cm superior to xiphoid/Inspiration																
<b>Topogram</b>	AP 120kV 50mA																
<b>kVp/Reference mass</b>	120kv 160mas/100kv if pt under 140lbs																
<b>Rotation time/pitch</b>	0.5/0.75																
<b>Detector Configuration</b>	16x0.75																
<b>Table Speed/Increment</b>	9																
<b>Dose reduction</b>	CareDose 4D																
<b>Allowed CTDI ranges*</b>	7mGy-50mGy																
<b>XR29 Dose Notification value</b>	50mGy																
<b>Helical Set #1</b>	body thickness recon																
<b>40sec</b>	recon part spacing kernel window destination																
	1 abd 2mmx 2mm 31medium smooth mediastinum pacs																
	2 thin abd/pelvis 1mmx.8mm 31medium smooth mediastinum for mpr																
	2x2 coronal and sag abd reformats from helical set #1, recon 2																
<b>Helical Set #2</b>	body thickness recon																
<b>70sec</b>	recon part spacing kernel window destination																
	1 abd/Pelvis 2mmx 2mm 31medium smooth mediastinum pacs																
	2 thin abd/pelvis 1mmx.8mm 31medium smooth mediastinum for mpr																
	2x2 coronal and sag abd reformats from helical set #2, recon 2																
<b>Helical Set #3</b>	body thickness recon																
<b>5min</b>	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																
<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																
<b>Scan delay</b>	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;"> <tr> <td style="width: 30%;">Patient size</td> <td style="width: 20%;">weight(kg)</td> <td style="width: 20%;">weight(lbs)</td> <td style="width: 30%;">CTDIvol(mGy)</td> </tr> <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> </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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<b>NOTE*</b>	*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.																

