

CT Abdomen WWO – Triphasic Liver Protocol

DX: liver lesion, liver mass, liver adenoma, focal nodular hyperplasia, hepatocellular carcinoma screening, neuroendocrine tumor, cirrhosis, hepatitis C, hemochromatosis

PREP: NPO 4-6 HOURS PRIOR

Scan Series	Liver	Liver	Abdomen
Scan Phase	Non-contrast	Arterial	Portal venous
Instruction	Inspiration	Inspiration	Inspiration
Contrast Agent	-	350 or 370	-
Volume/Rate	-	100ml/4.0ml per sec	-
Contrast Delay	-	Aortic peak+10 sec	80 sec
Start	Above diaphragms	Above diaphragms	Above diaphragms
End	Bottom of liver	Bottom of liver	Bifurcation
Scan Type	Helical	Helical	Helical
kVp	100-110	100-110	100-110
Target CTDIvol	<10.0 mGy	<12.0 mGy	<12.0 mGy
Max CTDIvol	25 mGy	25 mGy	25 mGy
Max Scan Time	25 sec	25 sec	25 sec
Pitch	0.9-1.75:1	0.9-1.5:1	0.9-1.5:1
DFOV	To body wall	To body wall	To body wall
Send to PACS	AX 1x1 standard	AX 1x1 standard	AX 1x1 standard
Send to PACS	COR 2x2 standard	COR 2x2 standard	COR 2x2 standard
Send to PACS	SAG 3x3 standard	SAG 3x3 standard	SAG 3x3 standard