

# CT Multiphase Liver

(Liver mass or HCC screening)

<b>Injector Protocol</b>			
IV: 18g			
Contrast concentration: Preferably Omnipaque 350 / Isovue 370			
Contrast amount: Omnipaque/Isovue 300: 130 mL < 80kg; 160 mL > 80kg Omnipaque 350: 125 mL < 80kg; 150 mL > 80kg Isovue 370: 120 mL < 80kg; 140 mL > 80kg			
Rate: 4.0ml per second			
Injector delay: Arterial: 30 sec or preferably bolus tracking with ROI on aorta at level of celiac artery, PV: 70 sec or 50 seconds after bolus tracking, Delay: 7 min			
<b>Oral: None</b>			
<b>Display Field of View:</b> Adjust to patient, smallest achievable to include anatomy.			
<b>Coverage:</b> just above diaphragm - bottom of liver			
If ordered as abd/pel - extend VENOUS PHASE ONLY just below lesser trochanters			
<b>Images to send to PACS (10 series)</b>			
<b>Pre Contrast</b>			
<b>Plane</b>	<b>Thickness</b>	<b>Kernel</b>	<b>Window</b>
Axial	2.5 x 2.5mm	Soft tissue	Soft tissue
<b>Arterial Phase</b>			
<b>Plane</b>	<b>Thickness</b>	<b>Kernel</b>	<b>Window</b>
Axial	2.5 x 2.5mm	Soft tissue	Soft tissue
Coronal	3 x 3mm MPR	Soft tissue	Soft tissue

Sagittal	3 x 3mm MPR	Soft tissue	Soft tissue
<b>Portal venous phase</b>			
<b>Plane</b>	<b>Thickness</b>	<b>Kernel</b>	<b>Window</b>
Axial	2.5 x 2.5mm	Soft tissue	Soft tissue
Coronal	3 x 3mm MPR	Soft tissue	Soft tissue
Sagittal	3 x 3mm MPR	Soft tissue	Soft tissue
<b>Delayed phase</b>			
<b>Plane</b>	<b>Thickness</b>	<b>Kernel</b>	<b>Window</b>
Axial	2.5 x 2.5mm	Soft tissue	Soft tissue
Coronal	3 x 3mm MPR	Soft tissue	Soft tissue
Sagittal	3 x 3mm MPR	Soft tissue	Soft tissue
<b>Comments</b>			
Arms to be placed above abdomen			