

Quantum Imaging and Therapeutic Associates

3 Phase Liver Protocol – Toshiba Aquilion One / 64

Indications	Characterization of liver lesion, suspected HCC, cirrhosis
Position / Landmark	Supine / Xiphoid
Scan Type	Helical
Start / End Locations	Noncontrast: 1 cm above diaphragm / iliac crests Arterial: 1 cm above diaphragm / iliac crests Portal venous: 1 cm above diaphragm / iliac crests OR 1 cm above diaphragm / lesser trochanters IF pelvis also ordered
FOV	38 cm (or as small as feasible)
kV / mA	120 kV / Sure Exposure
Slice Thickness/Interval	Noncontrast: 5 mm x 5 mm Arterial: 5 mm x 5 mm Portal venous: 5 mm x 5 mm
IV Contrast Volume / Rate	100 cc Omni 350 @ 4 cc/s
Scan Delay / Sure Start	Noncontrast: N/A Arterial: Sure Start ROI in aorta at celiac artery Portal venous: 70 seconds
Oral Contrast	None
MPR	Coronal and sagittal arterial 5 mm x 5 mm Coronal and sagittal portal venous 5 mm x 5 mm
Images to PACS	Scouts, axial noncontrast soft tissue, axial arterial soft tissue, axial portal venous soft tissue, MPR
Comments / Special	Add axial 5 mm x 5 mm 15 minute delay through liver for known or suspected cholangiocarcinoma or if the exam is performed for pre-transplant evaluation.