

## GE VCT 64 SLICE PROTOCOLS

### Protocol Name: **FOUR (4) PHASE LIVER CT ADULT**

<b>INDICATIONS:</b> Evaluation of patient with liver disease. Must do a triple phase liver to r/o hepatoma and hemangioma in the liver!	<b>PATIENT POSITIONING AND SCAN AREA &amp; GENERAL EXAM GUIDELINES</b> Patient supine. Feet first. Landmark at mid sternum. <b>Non-con:</b> 5x2.5 Dome to Crest-(5x2.5mm avg cor and sag MPRs)  <b>Arterial:</b> 5x2.5 Dome to Crest-(5x2.5mm avg cor and sag MPRs). Smart prep  <b>Portal:</b> 5x2.5 Dome to Crest-(5x2.5mm avg cor and sag MPRs) with 35 sec post threshold delay.  <b>5 minute delay:</b> 5x2.5 Dome to Crest-(5x2.5mm avg cor and sag MPRs). 240 sec post portal phase delay  All have Std recon at 400ww/30wl. DMPPRs are from 0.625 images
<b>IV CONTRAST:</b> Noncontrast series first, then 100cc Isovue 370. 4-5cc/sec, 18ga IV. Bolus tracking off Descending Aorta at the level of mid liver	<b>ORAL CONTRAST:</b> None
<b>TRIGGER OR CONTRAST DELAY</b> Smart prep off Descending Aorta at the level of mid liver	<b>SEND EXAM:</b> Send scout, 5 x 2.5 images in the four phases and sag and cors for all phases, and dose report to isite.
<b>TECHNIQUE GUIDELINES:</b> 120 kvp. Auto ma/smart ma on.	<b>BILL AS:</b> Abdomen CT with and without contrast.

### VCT SCANNER WITH ASIR PROTOCOL

Scan Type	Start Loc	End Loc	Thick Speed	Interval (mm)	Gantry Tilt	SFOV	kv	ma	DFOV	Recon1	Recon2	Recon3	Recon4	CTDI vol
Helical Full 0.6 sec rotation	S0.0	I300.0	0.625 39.37 0.984:1	0.625	S0.0	Large Body	120	650 22.10~	40.0	0.625mm Std  400ww 30wl SS30	5X2.5 Std  400ww 30wl SS30 Art	5X2.5 Std  400ww 30wl SS30 Venous	5X2.5 Std  400ww 30wl SS30 delay	Avg 5-35