

**PATIENT NAME:** [patient name]

**EXAM DATE:** [exam date] **AGE:** [age] **SEX:** [sex] **I.D.#:** [patient I.D.]

<b>CT ABDOMEN W/WO PELVIS WITH</b>	
INDICATION	GI, DIVERTICULITIS, APPENDICITIS VS STONES
FORMS	Consent to Contrast Material Pregnancy Status Form (female patients) Medication Reconciliation Form
ORAL CONTRAST	WATER 8 OZ OF WATER ON TABLE, BEFORE SCANNING
IV CONTRAST	2.5 - 3.0 CC/SEC (Use 50 cc NS for dual) Dual: <250 lbs = 100cc, >250 lbs = 150 cc Single: <150 lbs = 100 cc, >150 lbs = 150 cc
RECTAL CONTRAST	NONE
POSITIONING	SUPINE, FEET FIRST, ARMS UP & OUT OF WAY CENTER AT XYPHOID INSPIRATION BREATH-HOLD
SCOUT	S 60 / I 500, 120 KVP @ 10 MA, AP & LAT
TECHNIQUE - NONCONTRAST	HELICAL; 2.5 MM; STD W400/L40 KVP 120 @ AUTO/SMART MA - 40% ASIR SFOV - LG BODY/DFOV - 36 CM (FIT TO ANATOMY)  SCAN THROUGH KIDNEYS ONLY
TECHNIQUE - VENOUS DELAY	HELICAL; 2.5 MM; STD W400/L40 KVP 120 @ AUTO/SMART MA - 40% ASIR SFOV - LG BODY/DFOV - 36 CM (FIT TO ANATOMY)  THREE ROI MID LIVER WITH 50 HU & 40 SEC MONITOR DELAY  SCAN FROM TOP OF LIVER THROUGH BLADDER

<p>TECHNIQUE - DELAYED</p>	<p>HELICAL; 5.0 MM, STD W400/L40 KVP 120 @ 125 MA - 40% ASIR SFOV - LGE BODY/DFOV - 36 CM (FIT TO ANATOMY)</p> <p>DELAY 5 MINUTES, SCAN THROUGH THE KIDNEYS AND BLADDER <b><i>ONLY FOR:</i></b> BLADDER CANCER, TRANSITIONAL CELL CANCER, URETERAL CANCER, NEW RENAL LESION <b><i>FOR PROSTATE CANCER,</i></b> SCAN THROUGH BLADDER ONLY</p>
<p><b>TECHNIQUE - 64 SLICE</b> VENOUS DELAY</p>	<p>HELICAL; 2.5 MM KVP 120 @ AUTO/SMART MA-40% ASIR STD W400/L40; SFOV-LG BODY/DFOV-36 CM (FIT TO ANATOMY)</p> <p>TRHEE ROI MID LIVER WITH 50 HU &amp; 50 DIAG DELAY SCAN FROM TO OF LIVER THROUGH BLADDER</p>
<p>RECONS</p>	<p>16 SLICE: 1.25 MM/INT 0.625 MM, STD W400/L40 <b>64 SLICE-</b> 0.625 MM, STD W400/L40 (DMPR) <b>64 SLICE-</b> 2.5 MM, LUNG W1400/L-600</p>
<p>REFORMATIONS</p>	<p>CORONAL &amp; SAGITTAL AVG 2.5MM/2.5MM, W400/L40</p>
<p>PACS</p>	<p>SCOUT 2.5 MM = ABD/PEL W 2.5 MM = LUNG ABD COR &amp; ABD SAG</p>
<p>CHARGE</p>	<p>ABDOMEN W/WO &amp; PELVIS WITH</p>
<p>REMARKS</p>	<p>SMART PREP WITH ROI IN LIVER PARENCHYMA</p>

<p>CT PREPS</p>	<p>All CT contrast patients should be NPO for 4 hours before their exam. All patients should drink plenty of water before their exam</p>
<p>Routine Abdomen and Pelvis</p>	<p><b>For:</b> Diverticulitis, pain, pancreatitis, appendicitis, elevated labs or cancer (not for adrenal, liver, GIST, stromal, or pancreas cancer).  <b>Outpatients:</b> Patients are to receive one 50 ml bottle of Omni 140, consent form, and prep sheet. Patient to mix Omni 140 50 cc into 32 oz water. Drink half the mixture 2 hours prior to exam. Drink last half of mixture 1 hour prior to exam  <b>Inpatients:</b> Mix Omni 140 50 cc into 32 oz of water. Drink half of mixture two hours prior to exam. Drink last half of mixture one hour prior to exam.  <b>ER patients:</b> only if doctor requests- Mix Omni 140 50 cc into 32 oz of water- Drink half of mixture an hour prior to exam. Drink last half of mixture 30 minutes prior to exam</p>
<p>Abdomen CT's</p>	<p><b>For Stomach (stromal) cancer, small bowel evaluation, GIST, stomach mass, Crohn's.</b>  Patients receive 2 bottles of Volumen. Drink one bottle 2 hours prior to exam. Drink one bottle 1 hour prior to exam.  <b>For CT Enterography:</b> Patients should arrive 1.5 hours early to drink Volumen prep. Drink one bottle of Volumen every 20 minutes for the hour before their exam.</p>
<p>Gastric Bypass Protocol</p>	<p><b>For:</b> Patients who have had gastric bypass. Mix Omni 140 50 cc into 32 oz of water- Patients to drink 8 oz mixture of Omni 140 and water an hour before exam. The second dose (8oz) of mixture will be given just before getting on the table.</p>

<p><b>Pancreas Evaluations</b></p>	<p><b>For:</b> Mass, cysts, recurrent pancreatitis, history of pancreatitis who has had a routine CT abdomen already done. Patient to drink 64 oz of water the hour before their exam.</p>
<p><b>All Triphase Renal/ Dual Adrenal/Dual Liver</b></p>	<p><b>For:</b> Renal/Adrenal/Liver), mass, cyst, hepatitis C, and/or Adrenal/Liver Cancer. Water prep. Patients are to start drinking at least 64 oz of water the hour before their exam. <b>For Renal Cancer follow-up:</b> Mix Omni 140 50 cc into 32 oz of water- Drink half of mixture two hours prior to exam. Drink last half of mixture one hour prior to exam.</p>
<p><b>UT/Urogram/Hernia/ Abdomen with/wo &amp; pelvis with (GI vs stones)</b></p>	<p><b>For:</b> Stone, hernia, hematuria Water prep</p>

<b>Tumor Type</b>	<b>Common Tumors</b>	<b>C/A</b>	<b>C/A/P</b>	<b>A/P</b>
<p><b>Hypovascular</b>  <b>*ROI- in aorta (Chest)</b> <b>*ROI- liver (Abd/ Pelvis)</b></p>	<p><b>Lung</b> <b>Colorectal</b> <b>Breast/Ovarian/ Uterine</b> <b>Prostate/Testicular</b> <b>GIST/Stomach/Sm</b> <b>Bowel</b> <b>Sarcoma</b> <b>Merkel Cell</b> <b>Cholangiocarcinoma</b> <b>Etc...</b>  <i>ORAL PREP</i></p>	<p>Arterial Chest Short Delay PV Abdomen LD delay A-bladder/ transitional cell/ureteral cancer</p>	<p>Arterial Chest Short Delay PV A/P LD delay A/P-bladder/ transitionalcell /ureteral cancer Prostate cancer-bladder only</p>	<p>PV A/P LD delay A/P-bladder/ transitional cell/ureteral cancer Prostate cancer- bladder only</p>

<b>Hypervascular</b>  <b>*ROI- in pulmonary artery(Chest)</b> <b>*ROI- in aorta (Abd/Pelvis)</b>	<b>Melanoma</b> <b>Carcinoid</b> <b>Neuroendocrine</b>  <i>ORAL PREP</i>	Arterial C/A PV Liver Only	Arterial C/A/P PV Liver Only	Arterial A/P PV Liver Only
<b>Hypervascular</b>  <b>*ROI- in pulmonary artery(Chest)</b> <b>*ROI- in aorta (Abd/Pelvis)</b>	<b>Renal</b> <b>Islet Cell</b> <b>Gastrinoma</b> <b>Insulinoma</b> <b>Choriocarcinoma</b> <b>Thyroid</b>  <i>ORAL PREP</i>	Arterial C/ Liver PV Abdomen	Arterial C/ Liver PV A/P	Arterial Liver only PV A/P
	<b>Pancreas</b> <b>Pancreatic neuroendocrine</b>  Water prep	Arterial C Pancreas protocol: late art pancreas PV Abd	Arterial C Pancreas protocol: late art pancreas PV A/P	Pancreas protocol 4cc/sec inject
	<b>Hepatocellular CA-</b> <b>water prep</b> “Liver Cancer” “Hep C & Cirrhosis w/ mass seen” Water prep	Chest rarely ordered Art Liver PV C/A Delay Liver	Chest rarely ordered Art Liver PV C/A/P Delay Liver	Multiphase Liver protocol (often w/o P) 4 -5 cc/sec inject for 150cc Delay Liver

**Note:**

**LD- low dose    C-chest    A-abdomen    P – pelvis    PV- portal venous phase**  
**Art- arterial phase    Hypovascular- Non hypervascular**

