

**PATIENT NAME:** [patient name]

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

<b>ABDOMEN WITH CONTRAST</b>	
FORMS	Consent to Contrast Material. Pregnancy Status Form (female patients)
ORAL CONTRAST	ORAL PREP 8 OZ OF WATER AT TABLE BEFORE SCANNING
IV CONTRAST	2.5 to 3.0 CC/SEC FOR 100CC/NS 50 CC
POSITIONING	SUPINE; FEET FIRST; ARMS UP & OUT OF WAY CENTER AT XYPHOID INSPIRATION BREATH HOLD
SCOUT	S 60 /I 350, 120 KVP @ 10 MA AP & LAT
TECHNIQUE - 16 SLICE	HELICAL; STD W400/L40, 2.5 MM KVP 120 @ AUTO/SMART MA, 40% ASIR SFOV-LG BODY / DFOV-FIT TO ANATOMY THREE ROI MID LIVER WITH 50 HU WITH A 40 SEC MONITOR DELAY SCAN FROM TOP OF LIVER TO ILIAC CREST
TECHNIQUE - 64 SLICE	HELICAL; 2.5 MM, STD W400/L40 KVP 120 @ AUTO/SMART MA -40% ASIR, SFOV - LG BODY/DFOV - FIT TO ANATOMY THREE ROI MID LIVER WITH 50 HU & 50 DIAGNOSTIC DELAY SCAN FROM TOP OF LIVER TO ILIAC CREST
TECHNIQUE - 128 SLICE	

TECHNIQUE - DELAYED KIDNEYS	HELICAL; 5.0 MM, STD W400/L40 KVP 120 @ 125 MA, 40% ASIR SFOV - LG BODY/DFOV - FIT TO ANATOMY SCAN THROUGH THE KIDNEYS <b>Only done for urinary tract issues</b>
RECONS	16 SLICE: 1.25 MM/INT 0.625 MM, STD W400/L40 (DMPR) <b>64 SLICE</b> : 0.625 MM, STD W400//L40 (DMPR)  2.5 MM, LUNG W1400/L-600
REFORMATIONS	CORONAL & SAGITTAL, AVG 2.5MM/ 2.5MM W400/L40
PACS	SCOUTS 2.5 MM = ABD W 2.5 MM= LUNG ABD COR & ABD SAG
CHARGE	ABDOMEN WITH CONTRAST
REMARKS	USE SMART-PREP, ROI AT LIVER PARENCHYMA

<b>ABDOMEN WITH CONTRAST</b>	<b>MULTIPHASE LIVER</b>
INDICATIONS	CIRRHOSIS, HEPATITIS C, LIVER CANCER, CHARACTERIZATION OF LIVER LESION/ MASS
FORMS	Consent to Contrast Material Pregnancy Status Form (Female Patients)

ORAL CONTRAST	WATER PREP 8 OZ OF WATER ON TABLE BEFORE SCANNING
IV CONTRAST	5 CC/SEC FOR 150 CC/NS 50 CC SMART PREP WITH ROI AT AORTA AT LIVER
POSITIONING	SUPINE; FEET FIRST, ARMS UP & OUT OF WAY; CENTER AT XYPHOID INSPIRATION BREATH HOLD
SCOUT	S60/I450, 120 KVP @ 10 MA, AP&LAT
TECHNIQUE- 16 SLICE ARTERIAL/VENOUS	HELICAL: 2.5 MM, STD W400/L40 KVP 120 @ AUTO/SMART MA, 40% ASIR SFOV-LG BODY/DFOV - FIT TO ANATOMY  USE SMART PREP / ROI AORTA AT LIVER 10 SEC MONITOR DELAY / 150 HU / 25 SEC DIAGNOSTIC DELAY SCAN DIAPHRAGM THROUGH LIVER FOR ARTERIAL PHASE  70 SEC DELAY FROM START OF INJECTION FOR VENOUS PHASE DIAPHRAGM TO ILIAC CREST
TECHNIQUE - 64 SLICE ARTERIAL/VENOUS	HELICAL; 0.625 MM, STD W400/L40 KVP 120 @ AUTO/SMART MA-40% ASIR, SFOV-LG BODY/DFOV-FIT TO ANATOMY  USE SMART PREP / ROI AORTA AT LIVER 10 SEC MONITOR DELAY / 150 HU / 25 SEC DIAGNOSTIC DELAY SCAN DIAPHRAGM TO ILIAC CREST FOR  70 SEC DELAY FROM START OF INJECTION FOR VENOUS PHASE DIAPHRAGM TO ILIAC CREST

TECHNIQUE – 128 SLICE	
5 MINUTE DELAY – LIVER ONLY	5 MINUTE DELAY, HELICAL, 2.5 MM KVP 120 @ AUTO/SMART MA - 40% ASIR STD W400/L100, SFOV - FIT TO ANATOMY  SCAN THROUGH LIVER.
RECONS	1.25 MM/INT 0.625 MM, STD W400/L40 - VENOUS PHSAE ONLY 2.5 MM, LUNG W1400/L-600 64 SLICE: 2.5 MM, STD W400/L40 64 SLICE: 2.5 MM, LUNG W1400/L-600
REFORMATIONS	CORONALS AVG 2.5 MM/2.5 MM W400/L40
PACS	SCOUT 2.5 MM ARTERIAL/VENOUS = ABD W 2.5 MM = LUNG ABD COR & ABD SAG
CHARGE	CT ABDOMEN WITH
REMARKS	USE SMART PREP

CT PREPS	All CT contrast patients should be NPO for 4 hours before their exam. All patients should drink plenty of water before their exam
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<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>Pancreas Evaluations</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>All Triphase Renal/ Dual Adrenal/Dual Liver</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>UT/Urogram/Hernia/ Abdomen with/wo &amp; pelvis with (GI vs stones)</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>   *ROI- in aorta (Chest)  *ROI- liver (Abd/ Pelvis)</p>	<p><b>Lung</b>  <b>Colorectal</b>  <b>Breast/Ovarian/</b>  <b>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/  transitional cell/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**