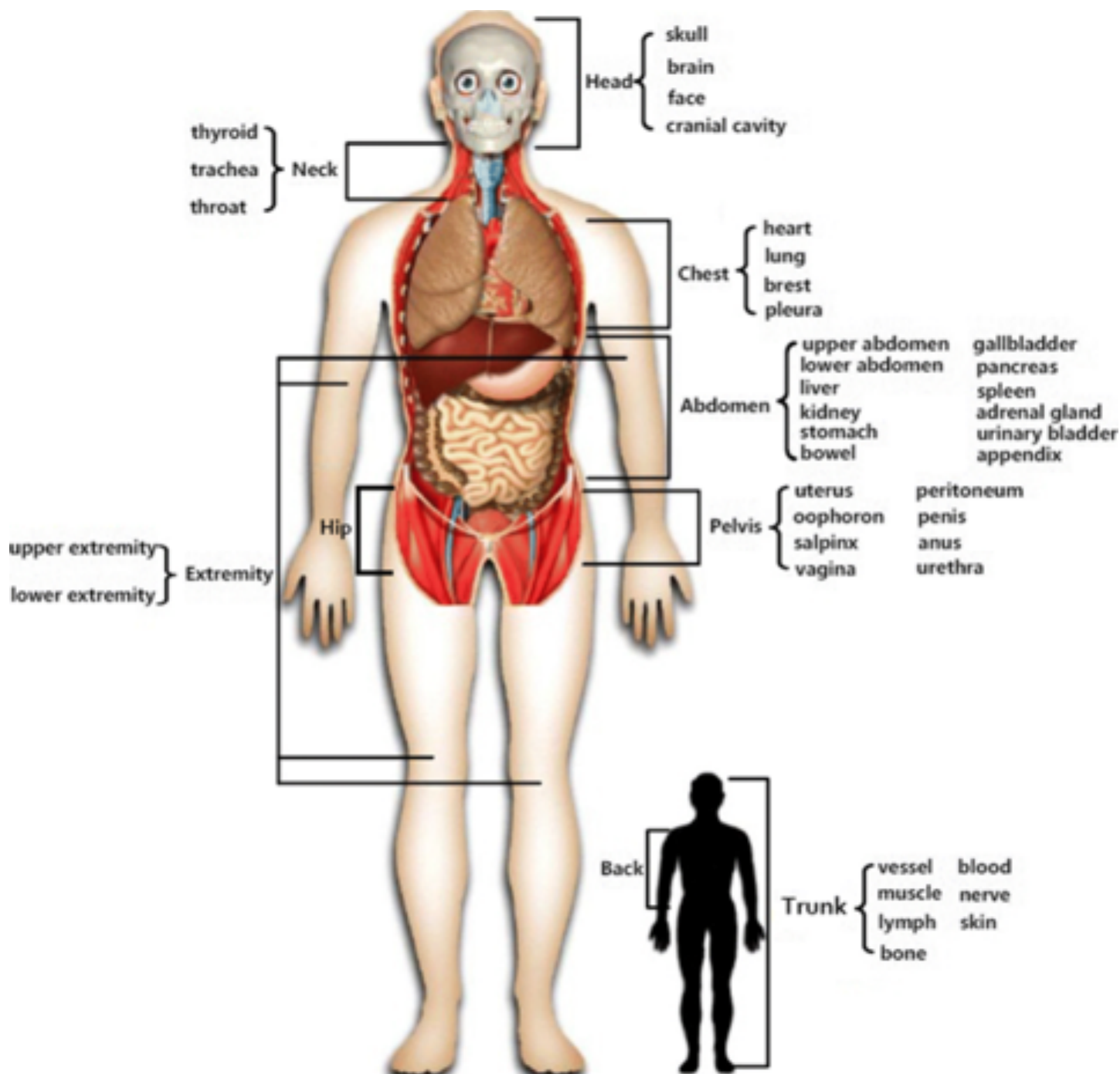


CT Scans * Full Body Ultrasound * Bone Density (DEXA) Scans * Breast Imaging

REFERENCE GUIDE FOR CT & SONO EXAMS



Locations:

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COMPUTED TOMOGRAPHY (CT)

SIGNS, SYMPTOMS OR DIAGNOSIS	EXAM
☐ Trauma/MVA head lac ☐ Headaches (worst of life) ☐ CVA, Stroke ☐ Bleed, Hemorrhage ☐ Seizure ☐ Unexplained Memory Loss, Confusion ☐ Vertigo, Dizziness ☐ Shunt Check ☐ Hydrocephalus	CT Head Without Contrast
☐ Metastatic Staging ☐ Mass/ Tumor ☐ Infection ☐ Headache with Associated Neurologic Signs	CT Head With Contrast
☐ Sagittal Sinus thrombosis ☐ Venous thrombosis	CT Head With Contrast <i>* 100cc 30 sec delay</i>
☐ Melanoma ☐ HIV ☐ Toxoplasmosis	CT Head With and Without Contrast
☐ Trauma/Right or Left ☐ Fracture/Right or Left ☐ Foreign Body	CT Orbit Without Contrast
☐ Hearing Loss, Conductive ☐ Cholesteatoma ☐ Mastoiditis ☐ Trauma	CT Internal Auditory Canal Without Contrast <i>* For sensory neuro hearing loss, order MRI with contrast</i>
☐ Sinusitis	CT Sinuses Without Contrast
☐ Nasal Polyp	CT Sinuses With and Without Contrast
☐ Trauma ☐ Fracture	CT Facial Bones Without Contrast
☐ Mass ☐ Infection ☐ Cancer Workups ☐ Soft Tissue ☐ Parotid Mass ☐ Vocal Chord Paralysis ☐ Voice Changes	CT Neck Without Contrast
☐ Mass ☐ Infection ☐ Cancer Workups ☐ Soft Tissue ☐ Parotid Mass	CT Neck With Contrast <i>* If elevated creatinine, order Without Contrast</i>

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☐ Vocal Chord Paralysis ☐ Voice Changes	
☐ Parotid Stone / Submandibular Stone	CT Neck (Soft Tissue) Without Contrast
☐ Infection of Submandibular Gland ☐ Infection of Parotid Gland	CT Neck (Soft Tissue) With and Without Contrast
☐ Trauma, Fracture, Fusion ☐ Assess Bone Degenerative Changes	CT Cervical Spine Without Contrast <i>* MRI recommended for disc herniation, mets, infection</i>
☐ Trauma, Fracture, Fusion ☐ Assess Bone Degenerative Changes	CT Thoracic Spine Without Contrast <i>* MRI recommended for disc herniation, mets, infection</i>
☐ Trauma, Fracture, Fusion ☐ Assess Bone Degenerative Changes	CT Lumbar Spine Without Contrast <i>* MRI recommended for disc herniation, mets, infection</i>
☐ Renal Failure Patients	CT Chest Without Contrast
☐ Interstitial Disease ☐ Fibrosis ☐ COPD ☐ Hemoptysis ☐ Bronchiectasis ☐ Sarcoidosis ☐ Pleural Plaques ☐ Asbestos	CT Chest Without Contrast
☐ Cough ☐ Pneumonia ☐ Lung CA ☐ Esophageal CA ☐ Lymphoma ☐ Lung Nodule ☐ Mass ☐ Tracheal Stenosis ☐ Chest Wall Mass	CT Chest With Contrast
☐ Chest Pain/ Dyspnea ☐ Tachypnea ☐ Shortness of Breath ☐ + D Dimer ☐ Pulmonary Hypertension (PA HTN)	CT Chest With Contrast PE
☐ SVC Thrombosis	CT Chest With Contrast <i>*100cc contrast 18G IV 120 second delay</i>
☐ Empyema	CT Chest With and Without Contrast
☐ Follow up for patients with renal cell carcinoma in renal failure	CT Abdomen Without Contrast <i>* MRI recommended</i>
☐ Epigastric Pain ☐ Pseudocyst ☐ Pancreatitis	CT Abdomen With Contrast

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☐ *Please list quadrant: RUQ, LUQ	
☐ Adrenal Mass – No Oral Prep ☐ Abnormal Ultrasound ☐ Renal Mass – No Oral Prep ☐ Liver Hemangioma (MRI preferred) Hepatitis, Cirrhosis – No Oral Prep	CT Abdomen With and Without Contrast
☐ Flank Pain, Stone (Stone Study) ☐ * Please list a side: Right or Left	CT Abdomen and Pelvis Without Contrast
☐ Crohn's, Ulcerative Colitis, IBD ☐ Diverticulitis ☐ Abscess ☐ Mass ☐ Hernia (i.e., umbilical, inguinal) ☐ Kidney Cyst vs Mass ☐ Melanoma ☐ Carcinoid *Please list quadrant: RUQ, LUQ	CT Abdomen and Pelvis With Contrast
☐ Crohn's Disease, Inflammatory Bowel Disease ☐ GI Bleed ☐ Suspected Partial SBO (Small Bowel Obstruction) ☐ Small Bowel Masses ☐ Celiac Disease	CT Abdomen and Pelvis With Contrast <i>* MRI recommended</i>
☐ Venous Thrombosis ☐ IVC Clot	CT Abdomen and Pelvis With Contrast <i>* 150cc contrast 4-5cc per sec 120 second delay</i>
☐ T-Cell Carcinoma of Kidney and/or Bladder ☐ Defects/Bladder Leakage ☐ Painless hematuria	CT Abdomen and Pelvis With and Without Contrast
☐ Non-Union Fracture	CT Pelvis Without Contrast
☐ Arthritis ☐ Cancer Staging ☐ Mass ☐ Cysts ☐ Infection ☐ Abscess ☐ Bone Infection	CT Pelvis With Contrast
☐ Leakage ☐ Colovesical Fistula ☐ Bladder perforation	CT Pelvis With Contrast
☐ Fracture ☐ Non-Union / Malunion	CT Chest Without Contrast (for SC joints)
☐ Fracture ☐ Fusion	CT Upper Extremity Without Contrast (includes AC joints)

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☐ Non- Union / Malunion ☐ Infection ☐ Tumor / Mass / Cancer / Mets	CT Upper Extremity With Contrast
☐ Venous thrombosis ☐ Infection/abscess ☐ Lymphedema	CT Upper Extremity With Contrast <i>* 150cc contrast 18G unaffected arm, 120 second delay upper, and 180 second delay lower</i>
☐ Fracture ☐ Fusion ☐ Non- Union/ Malunion ☐ Arthritis ☐ Patello Femoral Malalignment (Bilateral) ☐ Anteversion/ Malrotation (Bilateral)	CT Lower Extremity Without Contrast
☐ Infection ☐ Tumor/ Mass/ Cancer/ Mets	CT Lower Extremity With Contrast
☐ Venous thrombosis ☐ Infection / abscess ☐ Lymphedema	CT Lower Extremity With Contrast <i>* 150cc contrast 18G unaffected arm, 120 second delay upper, and 180 second delay lower</i>
☐ Carotid Stenosis ☐ Bruit ☐ TIA, CVA ☐ Carotid Dissection	CTA Carotid (carina-sella turcica)
☐ Thoracic Aortic Dissection ☐ Thoracic Aortic Aneurysm ☐ Coarctation ☐ Aortic Root Dilation	CTA Chest
☐ Renal artery aneurysm ☐ Renal artery stenosis ☐ Renal artery stent leak	CTA Abdomen (diaphragm-top of pelvis)
☐ Trauma ☐ Arterial Stenosis	CTA Upper Extremity (arch-fingertips) <i>* 18G IV, unaffected arm, 180cc contrast MAX volume for 24 hours</i>
☐ Abdominal Aortic Dissection ☐ Mesenteric Ischemia ☐ Bowel Ischemia ☐ Stent Obstruction	CTA Abdomen and Pelvis
☐ Peripheral Artery Disease (PAD) ☐ Ischemia to lower extremities ☐ Arterial stenosis	CTA Aorta (Abdomen and Pelvis) With Run Off

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ULTRASOUND (BODY SONO)

SIGNS, SYMPTOMS OR DIAGNOSIS	EXAM	INCLUDES
☐ Syncope ☐ Vertigo/dizziness ☐ Bruit ☐ Other: _____	Carotid Artery	- Bilateral common carotid artery: Proximal to bifurcation - ECA - ICA: Proximal to distal - Vertebral arteries
☐ Arm pain Right Left Both ☐ Discoloration (Cyanosis) Right Left Both	Upper Extremity Arterial ☐ Right ☐ Left ☐ Bilateral	<i>Evaluation for peripheral vascular disease/arterial flow</i> - Subclavian artery - Axillary artery - Brachial artery - Radial artery - Ulnar artery
☐ Arm swelling Right Left Both ☐ Arm pain Right Left Both ☐ Erythema Right Left Both	Upper Extremity Venous ☐ Right ☐ Left ☐ Bilateral	<i>Evaluation for deep vein thrombosis</i> - Jugular vein - Subclavian vein - Axillary vein - Brachial vein - Radial vein - Ulnar vein - Cephalic vein - Basilic vein
☐ Known abdominal aortic aneurysm ☐ Pulsatile abdominal aorta	Abdominal Aorta	Abdominal aorta: - Proximal - Mid - Distal - Right common iliac artery - Left common iliac artery
☐ Leg pain Right Left Both ☐ Discoloration (Cyanosis) Right Left Both ☐ Unable to find pedal pulse Right Left Both	Lower Extremity Arterial ☐ Right ☐ Left ☐ Bilateral	<i>Evaluation for peripheral vascular disease/arterial flow</i> - Common femoral artery - Superficial femoral artery - Popliteal artery - Posterior tibial artery - Anterior tibial artery - Dorsalis pedis artery
☐ Leg swelling Right Left Both ☐ Leg pain Right Left Both	Lower Extremity Venous ☐ Right ☐ Left ☐ Bilateral	<i>Evaluation for deep vein thrombosis</i> - Common femoral vein - Superficial femoral vein - Popliteal vein

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☐ Erythema Right Left Both		• Calf veins • Greater saphenous vein
☐ Leg pain Right Left Both ☐ Discoloration (Cyanosis) Right Left Both ☐ Unable to find pedal pulse Right Left Both	Ankle Brachial Index (ABI)	<i>Evaluation for peripheral vascular disease</i> • Bilateral brachial blood pressures obtained • Bilateral posterior tibial artery and dorsalis pedis artery blood pressures obtained • Index calculated from two pressures
☐ Abdominal pain ☐ Hepatic (Liver) disease ☐ Other: _____	Abdomen-Complete <i>NPO at least 4 hours prior to exam</i>	• Pancreas • Abdominal Aorta • Liver • Gallbladder • Common bile duct • Right and Left Kidney • Spleen
☐ Goiter Thyroid nodule ☐ Thyromegaly ☐ Hyperthyroidism ☐ Hypothyroidism ☐ Abnormal thyroid function test ☐ Other: _____	Thyroid *If follow-up of imaging at outside facility, PLEASE SEND PRIORS	• Right lobe of thyroid • Left lobe of thyroid • Isthmus
☐ Abdominal pain ☐ Epigastric pain ☐ Right upper quadrant pain ☐ Abnormal liver function test Other: _____	Right Upper Quadrant: Gallbladder/Liver <i>NPO at least 4 hours prior to exam</i>	• Pancreas • Liver • Gallbladder • Common bile duct • Right Kidney
☐ Hernia ☐ Splenomegaly ☐ Umbilical pain ☐ Left lower quadrant pain ☐ Right lower quadrant pain Other: _____	Abdomen-Limited	• Single organ evaluation (i.e. spleen) • Single quadrant evaluation (i.e. Left upper quadrant, right lower quadrant) • Evaluate for possible abdominal herniation
☐ Flank pain ☐ Hematuria ☐ Chronic kidney disease ☐ Renal failure	Renal/Kidney	• Right kidney • Left kidney • Urinary bladder <i>Post void bladder if requested</i>

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☐ Pelvic pain ☐ Right adnexa pain ☐ Left adnexa pain ☐ Irregular menses ☐ Postmenopausal bleeding ☐ Other: _____	Transabdominal / Transvaginal Pelvis <i>Full bladder at exam time; Transvaginal portion can be declined by Pt (or if Pt is not sexually active)</i>	• Uterus • Endometrium • Right ovary • Right adnexa • Left ovary • Left adnexa
☐ Testicular pain ☐ Testicular mass ☐ Testicular trauma ☐ Other: _____	Scrotum/Testicle	• Right testicle • Right epididymis • Left testicle with blood flow imaging • Left epididymis • Images of region of concern in testicle
☐ Lymphadenopathy ☐ Neck mass Right Left ☐ Soft Tissue Mass ☐ Upper extremity mass Right Left ☐ Lower extremity mass Right Left ☐ Groin pain Right Left ☐ Groin mass Right Left ☐ Other: _____	Soft Tissue	<i>Ultrasound interrogation of the region of concern</i>

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