



DIAGNOSTIC ORDERING GUIDE

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w con=with IV contrast | w/o con=without IV contrast | w&w/o con=with or without IV contrast

AREA OF BODY	SIGNS SYMPTOMS	RECOMMENDED STUDY
BRAIN	Trauma, CVA, Bleeding, Headache, Shunt Check, Alzheimer's, Memory Loss, TIA, Mental Status Change, Confusion	CT Head <i>w/o con</i> or MRI Brain <i>w/o con</i> (MRI for more severe symptoms or persistent symptoms after a CT Head <i>w/o con</i> was performed)
	Hearing Loss (<i>unilateral or bilateral</i>)	MRI Internal Auditory Canals <i>w&w/o con</i>
	Elevated Prolactin Levels and Pituitary Lesion	MRI Pituitary <i>w&w/o con</i>
	Cranial Nerve Lesions	MRI skull base <i>w&w/o con</i>
	Tumor, Dizziness, Vertigo, Multiple Sclerosis, AVM, Seizures, Infection	MRI Brain <i>w&w/o con</i>
	Stroke, CVA, TIA, Aneurysm	MRI Brain <i>w/o con</i>
SINUSES	Pain, Congestion, Sinusitis	CT Sinus <i>w/o con</i>
ORBITS	Trauma, Fracture, Foreign Body	CT Orbits <i>w/o con</i>
	Infection, Mass	CT Orbits <i>w con</i>
	Grave's Disease, Exophthalmus, Proptosis, Pseudotumor, Vascular Lesions	MRI Orbits <i>w&w/o con</i>
FACIAL BONES	Trauma, Pain	CT Facial Bones <i>w/o con</i>
TEMPORAL BONES	Tinnitus, Cholesteatoma, Pain, Trauma	CT Temporal Bones <i>w/o con</i>
NECK	Mass, Adenopathy	CT Neck <i>w con</i>
	Infection, Pain, Vocal Cord Paralysis	MRI Neck <i>w&w/o con</i>
CHEST	Hilar or Mediastinal Mass, Lung Cancer Lymphoma, Sarcoid, Staging, Mesothelioma Metastatic Work-Up	CT Chest <i>w con</i>
	Nodule, Cough, Pain	CT Chest <i>w/o con</i>
	Interstitial Lung Disease, IPF, UIP, Sarcoid	CT Chest, High Resolution <i>w/o con</i>
	Neural Tumor, Brachial Plexus Pathology	MRI Chest <i>w&w/o con</i>
ABDOMEN & PELVIS	Pain, Colitis, IBD, Crohns, Appendicitis, Abscess, Tumor, Cancer	CT ABD & Pelvis <i>w con</i>
	Hematuria With Pain, Stone Survey	CT ABD & Pelvis <i>w/o con</i>
	Post Liver Embolization, Hemangioma, Hepatoma, Hepatitis, Cirrhosis, Pancreatitis, Pseudocyst	MRI Abdomen <i>w&w/o con</i>
	Biliary Obstruction, GB Stones, Jaundice, Abnormal Enzymes, Adrenal Mass	MRI Abdomen <i>w/o con</i> (MRCP)
	IBD, Occult GI Bleeding, Diffuse SBD (<i>Gluten enteropathy</i>)	CT Enterography
	Fibroid, Pre-Post Fibroid Embolization, Ovarian Mass, Endometrioma	MRI Pelvis <i>w&w/o con</i>
	Incomplete Colonoscopy or Screening	CT Colonography



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AREA OF BODY	SIGNS SYMPTOMS	RECOMMENDED STUDY
CERVICAL, THORACIC & LUMBAR SPINE	Pain, Trauma, Fracture, Fusion	CT <i>w/o con</i>
	Radiculopathy, Disc Herniation, Degenerative Disease	MRI <i>w/o con</i>
	Syrinx, Post-op Fusion, MS, Tumor, Cancer, Mets, Osteomyelitis, Myelopathy, Discitis, Compression Fracture w/hx of Malignancy, Epidural Abscess	MRI <i>w&w/o con</i>
UPPER & LOWER EXTREMITIES — NON JOINTS	Fracture, Fusion, Malunion	CT <i>w/o con</i>
	Pain, Muscle/Tendon Tear	MRI <i>w/o con</i>
	Abscess, Cellulitis, Fascitis, Osteomyelitis, Morton's Neuroma, Soft Tissue Tumor	MRI <i>w&w/o con</i>
UPPER & LOWER EXTREMITIES — JOINTS	AVN, Internal Derangement, Labral, Meniscal, Ligament & Cartilage Tears, OCD	MRI <i>w/o con</i>
	Abscess, Cellulitis, Fascitis, Osteomyelitis, Myositis, Tumor, Mass	MRI <i>w&w/o con</i>
PELVIS (Bony)	Pain, Fracture	CT Pelvis <i>w/o con</i>
	Muscle/Tendon Tear, AVN	MRI Pelvis <i>w/o con</i>
	Tumor, Mass, Osteomyelitis, Septic Arthritis	MRI Pelvis <i>w&w/o con</i>
CT/MR ANGIO		
ABDOMINAL AORTA	Aneurysm, Dissection, Post Stent Grafting, Renal Artery Stenosis, Mesenteric Stenosis	CTA Abdomen <i>w con</i>
PULMONARY ARTERIES	Aneurysm, Dissection, Chest Pain, Dyspnea	CTA Chest <i>w con</i>
THORACIC AORTA	Tachypnea, Hemoptysis, SOB, Pulmonary Hypertension, Pulmonary Venous Mapping	CTA Chest <i>w con</i>
	DVT	CTA Chest, CTA Abdomen & Runoff <i>w con</i>
	Screening Cardiac Calcium Scoring	CT Screening Cardiac Calcium Scoring
LOWER EXTREMITIES	Peripheral Artery Disease	CTA Abdomen and Runoff <i>w con</i>
CAROTID	Stenosis, Bruit, TIA, CVA, Vascular Tumor	MRA Neck <i>w&w/o con</i> or CTA Neck <i>w con</i>
BRAIN	Aneurysm, TIA, CVA, Intracranial Hemorrhage	MRA Head <i>w/o con</i> or CTA Head <i>w con</i>

ADDITIONAL ORDERING NOTES:

CT Abdomen will only include from the top of the diaphragm to the top of the iliac crest. If the patient is experiencing any lower quadrant pain, if appendicitis is suspected, or if you have concerns about the colon, small bowel or any pelvic organs, then you must order a CT Pelvis as well.

Premedication is required for some patients receiving intravenous contrast, including patients with a known contrast allergy, patients with a history of severe allergic reaction and patients with asthma who use inhalers daily. HDI will provide the prescription for the premedication at the time of scheduling.

Patients over 59 years of age, patients with renal disease and diabetics need to have a DOCUMENTED normal BUN and creatinine within the last 3 months.

Pacemakers, ocular metallic foreign bodies, mechanical ear implants, non-removable TENS units, any wire loop devices are all examples of devices that are incompatible with MRI.

This form is only a guide to ordering CT & MRI exams and the information presented is subject to change.

Questions regarding which exam is appropriate? Call an HDI Radiologist 775.445.7138