

MRI Contrast Recommendations by Indication

Akron Radiology, Inc.

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MRI Exam	Indication	Without	Without/With
Brain	Headache, Mental status change, Stroke, TIA	X	
Brain	Seizure, Tumor, MS, Infection, Meningitis		X
Brain-IAC	Hearing loss, tinnitus, vertigo, facial pain		X
Brain-Pituitary	Suspected pituitary tumor		X
MRA Brain	Dizziness, Stroke, Aneurysm, AVM	X	
MRA Neck	Dizziness, Stroke, Carotid/vertebral disease		X
MR Venography head	Suspected venous disease		X
Orbits	Visual disturbance, Mass		X
Neck	Mass, lymphadenopathy		X
Cervical Spine	Pain, Radiculopathy, Post-op pain	X	
Cervical Spine	Infection, Lesion in cervical canal		X
Thoracic Spine	Pain, Radiculopathy	X	
Thoracic Spine	Infection, Lesion in canal, Post-op pain		X
Lumbar Spine	Pain, Radiculopathy	X	
Lumbar Spine	Infection, Lesion in canal, Post-op pain		X
Spine Survey	Metastatic disease	X	
TMJ	Temporomandibular symptoms	X	
Brachial Plexus	Upper extremity radiculopathy		X
MRA Chest-Aorta	Suspected dissection		X
Abdomen-Liver	Liver lesion, Cirrhosis		X
Abdomen-MRCP	Biliary tree calculi	X	
Abdomen-Pancreas	Pancreas lesion		X
Abdomen-Adrenal	Characterize adrenal lesion	X	
Abdomen-Renal	Renal lesion		X
Abdomen-Enterography	Small bowel disease		X
Pelvis	Mass, Pain		X
Pelvis-Rectal	Rectal tumor staging	X	
Pelvis-Prostate	Suspected tumor		X
Abdomen/Pelvis	Suspected appendicitis in pregnancy	X	
MRA Abdominal Aorta	Aneurysm, Mesenteric/Renal artery stenosis		X
Joints	Pain, Dysfunction	X	
Joints	Infection, Suspected mass		X
Joint arthrography	Pain, Dysfunction		X
Sacroiliac joints	Pelvic pain		X
Extremities	Infection, Mass		X
Total body for Myeloma	Multiple myeloma	X	

Notes regarding Gadolinium contrast:

1. When using group II agents (as we do at all sites) GFR determination is no longer necessary
2. Gadolinium is only contraindicated in patients with renal failure ON dialysis. If absolutely necessary, contrast can be given, but dialysis should be performed following MRI exam.
3. Only exam performed with contrast only is Brain with known tumor for therapy planning