## MRI REFERENCE CHART: What to order and how to order it

MAYFAIR DIAGNOSTICS

Clinical Indications	MR Arthrogram	Without IV Contrast	With & Without IV Contrast	What to Order	Optima MR450w GEM					
MRI TMJ										
TMJ, clicking/popping, TMJ joint		$\checkmark$		MRI TMJ bilateral without contrast	$\checkmark$					
MRI EXTREMITIES										
Osteomyelitis for ANY extremity; spine or general infection			$\checkmark$	MRI (indicate area of interest) with AND without contrast	$\checkmark$					
Soft tissue mass of ANY extremity or joint			$\checkmark$	MRI (indicate area of interest) with AND without contrast	$\checkmark$					
UPPER EXTREMITIES – JOINTS: (shoulder/elbow/wrist/hand/fingers)										
Evaluate injury, ligament tear, occult fracture or pain of shoulder, elbow, wrist, hand or fingers		$\checkmark$		MRI (indicate area of interest: shoulder, elbow, wrist, hand or fingers) without contrast	$\checkmark$					
Slap lesion, labral tear, TFCC tear, shoulder instability, post-op shoulder	$\checkmark$			MR arthrogram* (indicate area of interest)	$\checkmark$					
UPPER EXTREMITIES - SOFT T	ISSUE									
Pain of humerus or forearm		$\checkmark$		MRI (indicate area of interest: humerus or forearm) without contrast	$\checkmark$					
Palpable mass, neuroma, tumor				MRI (indicate area of interest) with AND without contrast	$\checkmark$					
LOWER EXTREMITIES/JOINTS	: (hip/knee/ank	le/foot/toes)								
Evaluate for meniscal injury, ligament tear, occult fracture or pain of hip, knee, ankle, foot or toes		$\checkmark$		MRI (indicate area of interest: hip, knee, ankle, foot or toes) without contrast	$\checkmark$					
Hip labral tear	$\checkmark$			MR arthrogram* (indicate area of interest)	$\checkmark$					
LOWER EXTREMITIES - SOFT	TISSUE EXAM	S: (femur/tibia/1	fibula/calf)							
Pain of femur/tibia/fibula/calf		$\checkmark$		MRI (indicate area of interest: femur/tibia/fibula/calf) without contrast	$\checkmark$					
Palpable mass, neuroma, tumor			$\checkmark$	MRI (indicate area of interest) with AND without contrast	$\checkmark$					

\*If Contrast is specifically requested by the practitioner/referrer, this contrast will be administered intraarticularly (a needle is guided into the joint and contrast is injected into the joint.) This will require the patient ot have a fluroscopy study first during which the injection will take place, followed by an MRI of the area in question.

Exams may vary depending on patient's history. Neuro exams on reverse.

## MRI REFERENCE CHART: What to order and how to order it

MAYFAIR

Clinical Indications		With and Without IV Contrast	What to Order	450w*
MRI BRAIN				
Vertigo, dementia, memory loss, MS, epilepsy, strokes, weakness, HA, TIA	$\checkmark$		MRI brain without contrast	$\checkmark$
R/O tumor, history of CA, Bell's palsy, seizures		$\checkmark$	MRI brain with AND without contrast	$\checkmark$
MRI IACS				
Known acoustic neuroma, prior surgery for acoustic neuroma		~	MRI brain & IAC's both with AND without contrast	$\checkmark$
Hearing loss, history of vertigo, tinnitus, R/O acoustic neuroma	$\checkmark$		MRI brain & IAC's without contrast	$\checkmark$
MRI PITUITARY				
R/O pituitary adenoma, tumor, abnormal prolactin, galactorrhea, amenorrhea		$\checkmark$	MRI brain and pituitary both with AND without contrast	$\checkmark$
MRI ORBITS				
History of visual disturbances, proptosis, optic nerve		$\checkmark$	MRI brain and orbits both with AND without contrast	$\checkmark$
MRI SOFT TISSUE NECK				
Soft tissue neck mass		$\checkmark$	MRI base of skull to neck mass with contrast	$\checkmark$
MRA EXAMS - NEURO				
MRA BRAIN				
For Circle of Willis (COW): R/O or history of aneurysm, history of TIAs	$\checkmark$		MRI head AND COW	$\checkmark$
Venous study (MRV) brain	$\checkmark$		MRV (usually ordered with MRI brain)	$\checkmark$
MRA NECK				
Carotid bifurcation only		$\checkmark$	MRA neck with contrast	$\checkmark$
R/O or history of aneurysm, vertigo, bilateral blood pressure differences, history of carotid stenosis, history of TIAs, aortic arch eval, vertebral stroke, subclavian steal, abnormal ultrasound		1	MRI neck with AND without contrast	$\checkmark$
MRI SPINE				
Cervical spine: neck pain, radiculopathy, myelopathy, previous surgery within last 5 years	$\checkmark$		MRI C-spine without contrast	$\checkmark$
Cervical spine: MS, spinal tumor, infection, syrinx		$\checkmark$	MRI C-spine with AND without contrast	$\checkmark$
Thoracic spine: mid-back pain, radiculopahy, myelopathy	$\checkmark$		MRI T-spine without contrast	$\checkmark$
Thoracic spine: MS, spinal tumor, infection, syrinx, previous surgery within last 5 years		$\checkmark$	MRI T-spine with AND without contrast	$\checkmark$
Lumbar spine: low-back pain, radiculopathy, myelopathy, MS, bowel & bladder dysfunction	$\checkmark$		MRI L-spine without contrast	$\checkmark$
Lumbar spine: spinal tumor, infection, syrinx, post-op spinal surgery		$\checkmark$	MRI L-spine with AND without contrast	$\checkmark$

Clinical Indications		With and Without IV Contrast	What to Order	450w*
BODY				
MRI CHEST				
Evaluate mass or pain, rib cartilage, diaphram		$\checkmark$	MRI chest with AND without contrast	$\checkmark$
MRI BRACHIAL PLEXUS				
Brachial plexus neuropathy			MRI brachial plexus without contrast	$\checkmark$
BONY CHEST				
AC joint pain, SC joint pain, sternum, scapula	$\checkmark$		MRI (indicate area of interest) without contrast	$\checkmark$
MRI ABDOMEN				
Tumor, liver or pancreas evaluation		~	MRI liver with AND without contrast	$\checkmark$
Bile duct and pancreatic duct evaluation, R/O stone, or obstruction	1		MRCP without contrast (usually done with MRI liver)	$\checkmark$
Liver, pancreas, kindey (renals)		$\checkmark$	MRI abdomen with AND without contrast	$\checkmark$
Adrenals	$\checkmark$		MRI abdomen without contrast	$\checkmark$
MRI PELVIS				
Pelvic pain, mass, surgical planning		$\checkmark$	MRI pelvis with AND without contrast	$\checkmark$
Pelvic pain, mass, surgical planning, Gyne abnormalities		$\checkmark$	MRI pelvis with AND without contrast	$\checkmark$
MSK PELVIS				
Sacral fracture, coccyx fracture, SI joint pain, muscle strain	$\checkmark$		MRI pelvis without contrast	$\checkmark$
MRI RENAL				
R/O renal tumor, kidney tumor or mass		$\checkmark$	MRI renal with AND without contrast	$\checkmark$
MRA EXAMS - BODY				
MRA RENAL				
Renal artery hypertension		$\checkmark$	MRA renal with AND without contrast	$\checkmark$
MRI MAMMOGRAPHY (BREAST)				
MRI (BREAST)				
History of breast cancer, abnormal diagnostic mammogram, abnormal diagnostics ultrasound (requires recent mammography study)		$\checkmark$	MRI breast with AND without contrast (if necessary, call to discuss with radiologist)	$\checkmark$

\*450w = Optima MR450w 1.5T MRI Scanner

Exams may vary depending on patient's history. Orthopedic/extremity exams on reverse.