

# MRI Reference Chart

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CLINICAL INDICATIONS

SUGGESTED EXAM

## Head / Brain

dizziness, headache, stroke weakness, TIA, change in mental status, dementia	MRI BRAIN WITHOUT CONTRAST
tumor, seizure, epilepsy, MS, history of cancer, bells palsy	MRI BRAIN WITH AND WITHOUT CONTRAST
history of brain aneurysm, circle of willis aneurysm, TIA	MRA (MRI ANGIOGRAM) WITHOUT CONTRAST
venous stroke, venous thrombosis	MRV WITH AND WITHOUT CONTRAST

## TEMPORAL BONE / ORBITS / PITUITARY

acoustic neuroma, hearing loss, tinnitus, vertigo	MRI BRAIN WITH IAC WITH AND WITHOUT CONTRAST
proptosis, optic neuritis, double vision	MRI ORBITS WITH AND WITHOUT CONTRAST
pituitary adenoma, abnormal prolactin, galactorrhea, cranial nerve protocol	MRI BRAIN WITH AND WITHOUT CONTRAST-PITUITARY PROTOCOL
cranial nerve abnormality, trigeminal neuralgia, bells palsy, facial paresthesia.	MRI BRAIN WITH CRANIAL NERVE WITH AND WITHOUT CONTRAST

## NECK / BRACHIAL PLEXUS

brachial neural plexopathy	MRI BRACHIAL PLEXUS WITH AND WITHOUT CONTRAST
carotid stenosis or bruits, history of TIA or stroke	MRA (MRI ANGIOGRAM) WITH AND WITHOUT CONTRAST

## SPINE

neck pain, radiculopathy, whiplash, compression fracture	MRI C-SPINE WITHOUT CONTRAST
myelopathy, MS, infection, syrinx, spinal tumor, history of cancer	MRI C-SPINE WITH AND WITHOUT CONTRAST MRI T-SPINE WITH AND WITHOUT CONTRAST
mid-back pain, radiculopathy, compression fracture	MRI T-SPINE WITHOUT CONTRAST
low-back pain, spinal stenosis, claudication, radiculopathy, compression fracture	MRI L-SPINE WITHOUT CONTRAST
myelopathy, MS, infection, syrinx, spinal tumor, prior back surgery, bowel and bladder dysfunction, history of cancer	MRI L-SPINE WITH AND WITHOUT CONTRAST



Emily



Brittany



Mackayla



Emily

# MRI Reference Chart

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CLINICAL INDICATIONS

SUGGESTED EXAM

## Abdomen/Pelvis

possible or known mass of liver, pancreas, kidney, adrenal	<b>MRI ABDOMEN WITH AND WITHOUT CONTRAST</b>
bile duct and pancreatic duct evaluation biliary obstruction	<b>MRCP ABDOMEN WITHOUT CONTRAST</b>
pelvic pain, mass, abnormal pelvic ultrasound, gynecologic abnormality	<b>MRI PELVIS WITH AND WITHOUT CONTRAST</b>
pelvic trauma, muscle strain possible hip/sacral/coccyx fracture, SI joint pain	<b>MRI PELVIS WITHOUT CONTRAST</b>
renal artery stenosis, mesenteric ischemia	<b>MRA PELVIS WITHOUT CONTRAST</b>

## Arms/Legs

deep limb pain, bone pain	<b>MRI (INDICATE AREA OF INTEREST) WITHOUT CONTRAST</b>
infection, neuroma, soft tissue mass, ganglion cyst, osteomyelitis	<b>MRI (INDICATE AREA OF INTEREST) WITH AND WITHOUT CONTRAST</b>
cartilage injury, ligament tear, occult fracture, or pain of the shoulder, elbow, wrist, hand, finger, hip, knee, ankle, foot or toe, shoulder labral tear, instability, or age less than 40 hip labral tear, femoral acetabular impingement	<b>MRI (INDICATE AREA OF INTEREST) WITHOUT CONTRAST</b>  <b>*MRI ARTHROGRAM OF SHOULDER</b> <b>*MRI ARTHROGRAM OF HIP</b>

*\*arthrogram studies require contrast to be administered intra-articularly (a needle guided into the joint and contrast is injected into the joint). This will require the patient to have a CT-guided injection study first during which the injection will take place followed by an MRI of the area in concern.*

If your patient's clinical indication is not found above, or for any questions, please call and ask to speak with an MRI technologist.



Tricia

Lisa



# MRI/MRA CPT CODES

## BRAIN, IAC'S/SELLA, PITUITARY

70551-without contrast

70552-with contrast

70553-with & without contrast

## ORBIT, FACE, NECK

70540-without contrast

70542-with contrast

70543-with and without contrast

## 70336-TMJ-BILATERAL

## CERVICAL SPINE

72141-without contrast

72142-with contrast

72156-with & without contrast

## CHEST, CHEST WALL,

## CLAVICLE, STERNUM & AXILLA

71550-without contrast

71551-with contrast

71552-with and without contrast

## UPPER EXTREMITY, JOINT

(shoulder, elbow, wrist)

73221-without contrast

73222-with contrast

73223-with & without contrast

73222-arthrogram

## UPPER EXTREMITY-NON JOINT

(humerus, forearm, hand)

73218-without contrast

73219-with contrast

73220-with and without contrast

## THORACIC SPINE

72146-without contrast

72147-with contrast

72157-with and without contrast

## LUMBAR SPINE

72148-without contrast

72149-with contrast

72158-with & without contrast

## ABDOMEN

74181-without contrast

74182-with contrast

74183-with and without contrast

## PELVIS

72195-without contrast

72196-with contrast

72197-with and without contrast

## LOWER EXTREMITY, JOINT (hip, knee, ankle)

73721-without contrast

73722-with contrast

73723-with & without contrast

73722-arthrogram

## LOWER EXTREMITY, NON JOINT

(thigh, femur, TIB/FIB,  
lower leg, foot/toes)

73718-without contrast

73719-with contrast

73720-with & without contrast

70544-MRA head w/o contrast

70546-MRA head w and w/o contrast

70547-MRA carotids/neck w/o contrast

70549-MRA carotids/neck w & w/o contrast

74185-MRA abdomen w & w/o contrast

72198-MRA pelvis w & w/o contrast



# CT Reference Chart

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## CLINICAL INDICATIONS

## SUGGESTED EXAM

### Head / Brain / Temporal Bone

headaches, head trauma, stroke, bleed, fracture **CT HEAD WITHOUT CONTRAST**

intracranial mass, history of cancer, lump on head, soft tissue swelling, seizures  
contraindication to brain MRI **CT HEAD WITH AND WITHOUT CONTRAST**

mastoiditis, hearing loss, pounding in ear, temporal bone abnormality **CT IAC WITHOUT CONTRAST**

acoustic neuroma, (when patient can't have an MRI) **CT IAC WITH CONTRAST**

### MAXILLOFACIAL / SINUS / ORBITS

sinusitis, frontal facial pain, headaches, possible facial fracture **CT MAXILLOFACIAL WITHOUT CONTRAST**

### NECK

neck mass, neck swelling, lymphadenopathy, change in voice, difficulty swallowing **CT NECK WITH CONTRAST**

### CHEST

lung nodule **CT CHEST WITHOUT CONTRAST**

cancer, chest pain, congestion, lung mass **CT CHEST WITH CONTRAST**

pulmonary embolism, shortness of breath **CTA CHEST WITH CONTRAST**

interstitial lung disease **CT HIGH RESOLUTION WITHOUT CONTRAST**

### ABDOMEN / PELVIS

kidney stones **CT ABDOMEN / PELVIS WITHOUT CONTRAST**

appendicitis, nausea, abdomen or pelvic pain, vomiting, diarrhea, weight loss/gain, cancer staging/follow-up, trauma to abdomen or pelvis **CT ABDOMEN / PELVIS WITH CONTRAST**

hematuria, bladder mass **CT IVP WITH AND WITHOUT CONTRAST**

liver/kidney/pancreas/adrenal mass, kidney mass **MULTI-PHASE ABDOMINAL CT WITH AND WITHOUT CONTRAST**

AAA, aortic stent, ischemic bowel, renal artery stenosis **CTA ABDOMEN / PELVIS WITH CONTRAST**

### SPINE

neck pain, cervical spine trauma/fracture **CT CERVICAL SPINE WITHOUT CONTRAST**

thoracic spine pain **CT THORACIC SPINE WITHOUT CONTRAST**

low back pain **CT LUMBAR SPINE WITHOUT CONTRAST**

pelvic fracture **CT PELVIS WITHOUT CONTRAST**

back pain- treatment **CT GUIDED EPIDURAL STEROID INJECTION**

spinal facet pain-treatment **CT GUIDED FACET INJECTION**

back pain from particular nerve-treatment **CT GUIDED SELECTIVE NERVE ROOT INJECTION**

### ARMS/LEGS

shoulder pain-treatment **CT GUIDED SHOULDER STEROID INJECTION**

hip pain-treatment **CT GUIDED HIP STEROID INJECTION**

## BRAIN

70450-CT head without contrast  
70460-CT head with contrast  
70470-CT head with & without contrast  
70496-CTA head

## ORBIT, FACE, NECK

70480-CT IAC without contrast  
70481-CT IAC with contrast  
70482-CT IAC-with and without contrast  
70486-CT maxillofacial without contrast  
70487-CT maxillofacial with contrast  
70488-CT maxillofacial w/ and w/o contrast  
70490-CT soft tissue neck without contrast  
70491-CT soft tissue neck with contrast  
70492-CT soft tissue neck w/ and w/o contrast  
70498-CTA neck

## CERVICAL SPINE

72125-cervical spine without contrast  
72126-cervical spine with contrast  
72127-cervical spine with & without contrast

## CHEST

71275-chest CTA with contrast  
71275-chest CT with contrast-PE protocol  
71250-CT thorax without contrast  
71260-CT thorax with contrast  
71270-CT thorax with and without contrast

## UPPER EXTREMITY

73200-CT upper extremity without contrast  
73201-CT upper extremity with contrast  
73202-CT upper extremity w/ and w/o contrast  
73206-CTA upper extremity w/ & w/o contrast

## THORACIC SPINE

72128-CT thoracic spine without contrast  
72129-CT thoracic spine with contrast  
72130-CT thoracic spine w/ and w/o contrast

## LUMBAR SPINE

72131-CT lumbar without contrast  
72132-CT lumbar with contrast  
72133-CT lumbar with & without contrast

## ABDOMEN

74150-CT abdomen without contrast  
74160-CT abdomen with contrast  
74170-CT abdomen with and without contrast  
(aka renal protocol)  
74175-CTA abdomen w/ and w/o contrast

## PELVIS

72191-CTA pelvis with and without contrast  
72192-CT pelvis without contrast  
72193-CT pelvis with contrast  
72194-CT pelvis with and without contrast

## ABDOMEN/PELVIS

74176-AB/pelvic without contrast  
74178-AB/pelvic w/ and w/o contrast  
(aka VP protocol)  
74177-AB/pelvic with contrast

## LOWER EXTREMITY

73700-CT lower extremity without contrast  
73701-CT lower extremity with contrast  
73702-CT lower extremity w/ & w/o contrast  
73706-CTA lower extremity w/ & w/o contrast

## OTHER

77011-CT guidance for stereotactic localization  
77012-CT guided needle biopsy S&I  
76376-3D rendering interpretation of CT  
76377-3D rendering interpretation of CT on independent work station

