

Imaging AUC (Appropriate Use Criteria) - Frequently Ordered Exams

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CT Abdomen and Pelvis WO Contrast	(ABPEWO)
Flank pain, kidney stone suspected	7
Hernia, complicated	7
Abdominal pain, acute, nonlocalized	7
Urinary tract stone, symptomatic/complicated	7
CT Abdomen and Pelvis W Contrast	(ABPEW)
Abdominal trauma, blunt	9
Abdominal trauma, gross hematuria	9
Abdominal pain, fever	9
Abdominal pain, acute, nonlocalized	9
RLQ abdominal pain, appendicitis suspected	8
LLQ abdominal pain, diverticulitis suspected	9
Post operative complication suspected	9
Bowel obstruction high-grade suspected	9
Adrenal carcinoma, staging	R
Abdominal abscess	9
Bowel obstruction high-grade suspected	9
Epigastric pain	8
CT Abdomen and Pelvis WWO Contrast	(ABPEB)
Abdominal trauma, blunt	7
Hematuria, unknown cause	9
Abdominal trauma, gross hematuria	7
Abdominal trauma, blunt	7
Bladder cancer, staging, invasive	R
Bladder cancer suspected	R
Renal pelvis or ureter cancer, monitor	R
Bladder cancer suspected	R
Renal pelvis or ureter cancer, monitor	R
Renal pelvis or ureter cancer, initial workup	R
Urothelial carcinoma of prostate, initial staging	R
CT Abdomen W/ Contrast	(ABDW)
LUQ abdominal pain	7
RUQ abdominal pain, US nondiagnostic	7
Ascites	8
Pancreatitis, acute, critically ill	8
Pancreatitis, chronic, follow up	8
Pancreatic cyst/pseudo cyst, follow up	7
Pancreatic adenocarcinoma suspected	R
CT Abdomen W/O Contrast	(ABDWO)
LUQ abdominal pain	7
Ascites	7
Pancreatitis, chronic, follow up	8
Pancreatitis suspected, atypical presentation/labs	7
Pancreatic cyst/pseudo cyst, follow up	8
Abdominal mass, palpable	8
Adrenal mass, 1-4cm	8

CT Abdomen W/WO Contrast	(ABDB)
Soft tissue mass, abdomen, spontaneous hemorrhage	7
Pancreatitis, acute, severe, > 7 days	7
Adrenal mass, 1-4cm	8
AAA suspected	7
CT Cervical Spine W/O Cont rast	(CSWO)
Spinal cord injury, follow up	9
C-spine canal stenosis	7
Neck trauma, myelopathy	9
Neck trauma, mechanically unstable	9
Bone lesion, C-spine, malignancy suspected	7
C-spine fracture, known	9
CT Chest W/ Contrast	(CHW)
Chest trauma, blunt, high energy	9
Abdominal trauma, gross hematuria	8
Venous obstruction, chest	8
Lymphadenopathy, chest or axilla	9
Pulmonary hypertension, primary	8
Pleural effusion, malignancy suspected	R
CT Chest W/O Contrast	(CHWO)
Pneumonia	8
Interstitial lung disease	9
Lymphadenopathy, chest or axilla	7
Pneumothorax, known	9
Pneumothorax suspected	7
Aortic disease, nontraumatic	7
CT Head W/ Contrast	(HDW)
Seizure, abnormal neuro exam	7
Ataxia, stroke suspected	7
Head trauma, penetrating	9
Memory Loss	7
CT Head W/O Contrast Stroke-STAT	(HDWOSTK)
Neuro deficit, acute, stroke suspected	9
Stroke, follow up	8
Ataxia, stroke suspected	8
CT Head W/O Contrast	(HDWO)
Neuro deficit, acute, stroke suspected	9
Ataxia, stroke suspected	8
Altered mental status	8
Traumatic brain injury (TBI), new cognitive or neuro deficit	7
Traumatic brain injury (TBI), neuro decline	9
Head trauma, mod-severe	9
Headache, intracranial hemorrhage suspected	9
Headache, neuro deficit	7
Cerebral hemorrhage suspected	9
Hydrocephalus	8

CT Head W/O Contrast (continued)	(HDWO)
Seizure, nontraumatic	7
Brain mass or lesion, follow-up	7
Syncope, simple, abnormal neuro exam	8
CT Head W/WO Contrast	(HDB)
Ataxia, stroke suspected	8
Acute myeloid leukemia, neuro symptoms	R
CNS metastatic lesions suspected, initial workup	R
Head trauma, penetrating	7
CT Lower Ext W/O Contrast - Lt	(EXTLLWO)
Hip dislocation	8
Fracture, hip	9
Hip pain, gout suspected	7
Hip arthroplasty surgical planning	9
Osteomyelitis, hip, follow up	7
Foreign body suspected, hip, neg xray	7
Knee pain, gout suspected	7
Fracture, knee	9
Knee replaced, periprosthetic fracture suspected	8
Bone lesion, knee, malignancy suspected	7
Foreign body suspected, lower leg, neg xray	7
Bone lesion, lower leg, malignancy suspected	7
Lower leg trauma, initial exam	8
Upper leg trauma, nondiagnostic xray	9
Fracture, ankle	7
Ankle trauma, talus fracture	9
Polytrauma, critical, lower ext injury suspected	9
Bone lesion, ankle, malignancy suspected	7
CT Lower Ext W/O Contrast - Rt	(EXTLRWO)
Hip dislocation	8
Fracture, hip	9
Hip pain, gout suspected	7
Hip arthroplasty surgical planning	9
Osteomyelitis, hip, follow up	7
Foreign body suspected, hip, neg xray	7
Knee pain, gout suspected	7
Fracture, knee	9
Knee replaced, periprosthetic fracture suspected	8
Bone lesion, knee, malignancy suspected	7
Foreign body suspected, lower leg, neg xray	7
Bone lesion, lower leg, malignancy suspected	7
Lower leg trauma, initial exam	8
Upper leg trauma, nondiagnostic xray	9
Fracture, ankle	7
Ankle trauma, talus fracture	9
Polytrauma, critical, lower ext injury suspected	9
Bone lesion, ankle, malignancy suspected	7

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CT Lumbar Spine W/O Contrast	(LSWO)
Polytrauma, critical, T/L spine injury suspected	9
Spinal cord injury, follow up	9
L/S-spine fracture, pathological	9
L/S-spine canal stenosis	7
Back pain or radiculopathy, osteoporosis presence or risk	7
CT Maxillo Facial W/ Contrast	(MFW)
Sinusitis, invasive fungal suspected	8
Sinusitis, orbital or intracranial complications	8
Sinonasal obstruction	7
Ethmoid sinus tumor, initial workup	R
CT Maxillo Facial W/O Contrast	(MFWO)
Sinusitis, chronic or recurrent	9
Sinusitis, noninvasive fungal	9
Sinonasal obstruction	8
CT Orbits W/O Contrast	(ORBWO)
Orbital trauma, visual defect, initial exam	9
Orbital fracture repair	7
CT Pelvis W/ Contrast	(PELW)
Pelvis pain, osteomyelitis suspected, xray done	7
Endometrial cancer, recurrence suspected	8
Pelvic infection or abscess	7
Pelvic floor repair, post-op complication	8
Abscess, anal or rectal	9
CT Pelvis W/O Contrast	(PELWO)
Hernia, complicated	7
Pelvic trauma, nondiagnostic xray	9
Pelvic fracture, follow up	8
CT Soft Tissue Neck W/ Contrast	(NEW)
Neck mass, pulsatile	9
Neck mass, solitary, febrile	9
Vocal cord paralysis	8
CT Soft Tissue Neck W/O Contrast	(NEWO)
Foreign body suspected, neck, neg xray	7
Mediastinal mass, substernal thyroid suspected	8
CT Thoracic Spine W/O Contrast	(TSWO)
Polytrauma, critical, T/L spine injury suspected	9
Spinal cord injury, follow up	9
T-spine fracture, traumatic	9
T-spine fracture, pathological	9
T-spine canal stenosis	7
CT Upper Ext W/O Contrast - Lt	(EXTULWO)
Shoulder pain, gout suspected	7
Polytrauma, critical, upper ext injury suspected	9
Shoulder trauma, humeral fracture	9
Shoulder trauma, scapula fracture	9

CT Upper Ext W/O Contast - Rt	(EXTURWO)
Shoulder pain, gout suspected	7
Polytrauma, critical, upper ext injury suspected	9
Shoulder trauma, humeral fracture	9
Shoulder trauma, scapula fracture	9
CTA Abdomen & Pelvis W/O	(ABDPEL)
AAA, post repair	9
AAA, pre-op planning	9
GI bleed	9
Mesenteric ischemia, acute	9
Abdominal trauma, penetrating	9
CTA Abdomen W/O & W/	(ABDB)
Renal artery dissection suspected	8
Aneurysm, renal or visceral, known or suspected	7
Renal artery stenosis, follow up	8
Malignant hypertension	8
Melena	8
UGI bleed, nonvariceal, endoscopy negative	8
CTA Chest W/O & W/	(CHB)
Chest trauma, blunt, aortic injury suspected	9
Chest trauma, penetrating	9
Chest trauma, blunt, high energy	9
Chest pain, acute, nonspecific	7
Dyspnea, pericardial disease suspected, ischemia excluded	7
Thoracic aortic aneurysm suspected, initial exam	9
Aortic dissection, post repair, follow up	9
Thoracic aortic dissection, known, follow up	7
PE suspected, high pretest prob	9
Pulmonary arteriovenous malformation (AVM)	8
Coronary artery disease, prior revascularization	8
Chest pain, PE suspected, high prob	A
CTA Head W/O & W/	(HDB)
Cerebral aneurysm screening, genetic risk	8
Cerebral aneurysm, follow-up	8
Cerebral vascular malformation (AVM or AVF)	8
Headache, intracranial hemorrhage suspected	8
CTA Neck W/O & W/	(NEB)
Carotid stenosis screening, risk factors	8
Carotid stenosis, follow up	8
Neck mass, pulsatile	9
Neck trauma, penetrating	9
MRA Carotid Artery W/O Gad	(CAR)
Carotid stenosis, follow up	8
Carotid stenosis screening, risk factors	8

MRA Carotid Artery W/WO Gad	(CARB)
Carotid stenosis, follow up	8
Carotid stenosis screening, risk factors	8
Carotid or vertebral dissection suspected	8
Neck trauma, arterial injury suspected	9
Neck mass, pulsatile	8
MRA Head W/O Gad	(HDWO)
Stroke, follow up	7
Cerebral aneurysm, follow-up	8
Cerebral aneurysm screening, genetic risk	8
Polytrauma, critical, head/C-spine injury suspected	8
Cerebral vascular malformation (AVM or AVF)	8
MRA Head W/WO Gad	(HDB)
Vasculitis, CNS	8
Headache, temporal arteritis suspected	7
Headache, intracranial hemorrhage suspected	7
Stroke, follow up	7
Parenchymal hemorrhage, follow-up	8
Cerebral aneurysm, follow-up	8
Cerebral aneurysm screening, genetic risk	8
MRI Abdomen W/O Gad	(ABDWO)
Abdominal abscess	8
Abdominal mass, palpable	8
Soft tissue infection suspected, abdomen, xray done	7
Ascites	7
Adrenal mass, 1-4cm	8
Liver lesion, > 1cm, history of malignancy, US nondiagnostic	7
Cholelithiasis	7
MRI Abdomen WWO Gad	(ABDWWO)
Gastric neuroendocrine tumor, type 1	R
Pancreatic adenocarcinoma, staging	8
Kidney cancer, follow up	8
Soft tissue mass, abdomen, spontaneous hemorrhage	9
Abdominal mass, palpable	8
Renal cell cancer, staging	8
Tuberous sclerosis, renal mass screen	7
Renal mass, normal renal function	8
Renal cyst	8
Liver disease, chronic, HCC screening	8
Adrenal carcinoma, staging	R
Liver transplant	9
Soft tissue infection suspected, abdomen, xray done	9
Foreign body suspected, abdomen, neg xray	7
Liver mets suspected	8
Liver disease, chronic, fibrosis suspected	R

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MRI Ankle Left WO Gad	(ANKLWO)
Ankle dislocation	7
Fracture, ankle	7
Osteomyelitis, ankle, follow up	9
Aseptic necrosis, ankle	8
Bone neoplasm, ankle, recurrence suspected	7
Bone lesion, ankle, malignancy suspected	8
Soft tissue infection suspected, ankle, xray done	7
MRI Ankle Left WO Gad	(ANKRWO)
Ankle dislocation	7
Fracture, ankle	7
Osteomyelitis, ankle, follow up	9
Aseptic necrosis, ankle	8
Bone neoplasm, ankle, recurrence suspected	7
Bone lesion, ankle, malignancy suspected	8
Soft tissue infection suspected, ankle, xray done	7
MRI Cervical Spine W/O Gad	(CSWO)
Intraspinal abscess or granuloma	9
Spinal cord injury, follow up	8
C-spine fracture, known	9
Vascular myelopathies	9
C-spine canal stenosis	9
Spinal stenosis, sacral or sacrococcygeal region	9
Bone neoplasm suspected, C-spine, initial exam	9
Neck trauma, mechanically unstable	9
MRI Cervical Spine W/WO Gad	(CSB)
Neck trauma, myelopathy	9
Spinal cord injury, follow up	8
C-spine fracture, known	9
Neck pain, bone destruction on xray	9
C-spine canal stenosis	9
Bone lesion, C-spine, malignancy suspected	8
Bone neoplasm suspected, C-spine, neg xray	9
Neck trauma, mechanically unstable	9
MRI Foot Left WO Gad	(FTLWO)
Foot pain, plantar fasciitis suspected	9
Foot pain, rheumatoid arthritis suspected	7
Foot pain, stress fracture suspected, neg xray	8
Foot pain, tarsal tunnel syndrome suspected	9
Foot trauma, tendon injury suspected, neg xray	9
Polytrauma, critical, lower ext injury suspected	8
Bone lesion, foot, malignancy suspected	8
Soft tissue mass, foot, nondiagnostic US/xray	9

MRI Foot Left WWO Gad	(FTLWVO)
Foot pain, rheumatoid arthritis suspected	7
Foot pain, tarsal tunnel syndrome suspected	7
Bone neoplasm, foot, recurrence suspected	7
Bone lesion, foot, malignancy suspected	9
Bone neoplasm suspected, foot, neg xray	7
Osteomyelitis, foot, follow up	9
Soft tissue mass, foot, spontaneous hemorrhage	9
Osteomyelitis suspected, diabetic	9
MRI Foot Right WO Gad	(FTRWO)
Foot pain, plantar fasciitis suspected	9
Foot pain, rheumatoid arthritis suspected	7
Foot pain, stress fracture suspected, neg xray	8
Foot pain, tarsal tunnel syndrome suspected	9
Foot trauma, tendon injury suspected, neg xray	9
Polytrauma, critical, lower ext injury suspected	8
Bone lesion, foot, malignancy suspected	8
Soft tissue mass, foot, nondiagnostic US/xray	9
MRI Foot Right WWO Gad	(FTRB)
Foot pain, rheumatoid arthritis suspected	7
Foot pain, tarsal tunnel syndrome suspected	7
Bone neoplasm, foot, recurrence suspected	7
Bone lesion, foot, malignancy suspected	9
Bone neoplasm suspected, foot, neg xray	7
Osteomyelitis, foot, follow up	9
Soft tissue mass, foot, spontaneous hemorrhage	9
Osteomyelitis suspected, diabetic	9
MRI Head W/ Gad	(HDW)
Neuro deficit, acute, stroke suspected	8
Headache, neuro deficit	8
Seizure, abnormal neuro exam	8
Ataxia, stroke suspected	8
TIA, initial exam	9
Brain mass or lesion, follow-up	8
Vasculitis, CNS	8
Brain tumor, primary	9
MRI Head W/O Gad	(HDWO)
Neuro deficit, acute, stroke suspected	8
Altered mental status	8
Seizure, acute, history of trauma	7
Headache, intracranial hemorrhage suspected	7
Headache, infection suspected	7
Traumatic brain injury (TBI), new cognitive or neuro deficit	9
Head trauma, penetrating	7
Seizure, nontraumatic	7
Seizure, acute, history of trauma	7
Dementia, Alzheimer's suspected	8

MRI Head W/O Gad (cotinued)	(HDWO)
Hearing loss, sudden onset, focal neuro deficit	7
Brain mass or lesion, follow-up	8
MRI Head W/WO Gad	(HDB)
Neuro deficit, acute, stroke suspected	8
Ataxia, stroke suspected	8
Headache, post traumatic	7
Head trauma, penetrating	7
Ataxia, post head trauma	7
Cerebral hemorrhage suspected	7
Altered mental status	8
Headache, sinus or mastoid	8
Headache, infection suspected	8
Sinusitis, orbital or intracranial complications	8
Seizure, nontraumatic	8
Seizure, acute, history of trauma	8
Dementia, Alzheimer's suspected	7
Hearing loss, sudden onset, focal neuro deficit	9
Brain tumor, primary	9
Brain mass or lesion, follow-up	8
Brain mass or lesion, follow-up	8
MRI Hip Left WO Gad	(HPLWO)
Fracture non-union, hip	8
Hip trauma, nondiagnostic xray	9
Osteomyelitis, hip, follow up	7
Hip pain, rheumatoid arthritis suspected	7
Soft tissue infection suspected, hip, xray done	7
Hip pain, septic arthritis suspected, xray done	7
Hip pain, arthritis or infection suspected, abnormal xray	7
Hip pain, stress fracture suspected, neg xray	9
MRI Hip Right WO Gad	(HPRWO)
Fracture non-union, hip	8
Hip trauma, nondiagnostic xray	9
Osteomyelitis, hip, follow up	7
Hip pain, rheumatoid arthritis suspected	7
Soft tissue infection suspected, hip, xray done	7
Hip pain, septic arthritis suspected, xray done	7
Hip pain, arthritis or infection suspected, abnormal xray	7
Hip pain, stress fracture suspected, neg xray	9
MRI IAC WWO Gad	(IACB)
Hearing loss, mixed	8

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MRI Knee Left WO Gad	(KNLWO)
Knee pain, positive xray	9
Knee pain, rheumatoid arthritis suspected	7
Fracture, knee	7
Soft tissue infection suspected, knee, xray done	7
Bone neoplasm suspected, knee, neg xray	9
MRI Knee Right WO Gad	(KNRW0)
Knee pain, positive xray	9
Knee pain, rheumatoid arthritis suspected	7
Fracture, knee	7
Soft tissue infection suspected, knee, xray done	7
Bone neoplasm suspected, knee, neg xray	9
MRI Lumbar Spine W/WO Gad	(LSB)
Back pain or radiculopathy, cancer or infection suspected	8
Back pain, progressive neurologic deficit	8
Back pain or radiculopathy, cancer or infection suspected	8
Compression fracture, lumbar	9
L/S-spine fracture, traumatic	8
Bone neoplasm suspected, L/S-spine, neg xray	7
MRI MRCP	(MRCP)
Jaundice	8
Cirrhosis or Fatty Liver	8
Biliary obstruction suspected	8
Gallbladder cancer suspected	R
Cholangiocarcinoma suspected	R
Cholelithiasis	8
Pancreatitis, acute, critically ill	7
Pancreatic cyst/pseudo cyst, follow up	8
MRI Pelvis W/O Gad	(PELWO)
Pelvic trauma, initial exam	7
Bone lesion, pelvis, malignancy suspected	8
Soft tissue mass, pelvis, nondiagnostic US/xray	9
Pelvis pain, stress fracture suspected, neg xray	8
Pelvis pain, osteomyelitis suspected, xray done	7
MRI Pelvis WWO Gad	(PELW00)
Foreign body suspected, pelvis, neg xray	7
Pelvic trauma, initial exam	7
Soft tissue mass, pelvis, spontaneous hemorrhage	9
Soft tissue mass, pelvis, nondiagnostic US/xray	9
Bone lesion, pelvis, malignancy suspected	9

MRI Shoulder Left WO Gad	(SHLWO)
Shoulder pain, rheumatoid arthritis suspected	7
Shoulder pain, septic arthritis suspected, xray done	7
Shoulder pain, stress fracture suspected, neg xray	8
Shoulder pain, bursitis suspected, nondiagnostic xray	9
Soft tissue infection suspected, shoulder, xray done	7
Shoulder trauma, nondiagnostic xray	9
MRI Shoulder Right WO Gad	(SHRW0)
Shoulder pain, rheumatoid arthritis suspected	7
Shoulder pain, septic arthritis suspected, xray done	7
Shoulder pain, stress fracture suspected, neg xray	8
Shoulder pain, bursitis suspected, nondiagnostic xray	9
Soft tissue infection suspected, shoulder, xray done	7
Shoulder trauma, nondiagnostic xray	9
MRI Thoracic Spine W/O Gad	(TSWO)
Polytrauma, critical, T/L spine injury suspected	8
T-spine fracture, traumatic	9
T-spine fracture, pathological	7
Bone neoplasm suspected, T-spine, neg xray	9
T-spine canal stenosis	9
MRI Thoracic Spine W/WO Gad	(TSB)
T-spine fracture, traumatic	8
T-spine fracture, pathological	8
Bone neoplasm suspected, T-spine, neg xray	7
MRI Wrist Left W/O Gad	(WRLWO)
Wrist pain, persistent, neg xray	9
Wrist pain, rheumatoid arthritis suspected	7
Wrist pain, stress fracture suspected, nondiagnostic xray	9
Wrist pain, palpable mass, neg xray	8
Wrist pain, osteomyelitis suspected, xray done	7
Wrist pain, ganglion cyst suspected, neg xray	8
Soft tissue infection suspected, wrist, xray done	7
Bone lesion, wrist, malignancy suspected	8
MRI Wrist Right WO Gad	(WRRWO)
Wrist pain, persistent, neg xray	9
Wrist pain, rheumatoid arthritis suspected	7
Wrist pain, stress fracture suspected, nondiagnostic xray	9
Wrist pain, palpable mass, neg xray	8
Wrist pain, osteomyelitis suspected, xray done	7
Wrist pain, ganglion cyst suspected, neg xray	8
Soft tissue infection suspected, wrist, xray done	7
Bone lesion, wrist, malignancy suspected	8
NM Bone Scan (Whole Body)	(BON)
Osteosarcoma, bone mets screening	9
Breast cancer, mets suspected, staging	9
Paget's disease of bone	9

NM Gastric Emptying	(GE)
Gastroparesis	7
NM GI Bleed(Tagged RBCs)	(GIB)
GI bleed	7
Melena	7
NM Hepatobiliary Scan	(HEPAT)
Abdominal pain, upper, acute, hepatobiliary cause suspected	7
Abdominal pain, post surgery or trauma, bile leak suspected	8
Biliary colic, recurrent, gallbladder dyskinesia suspected	7
NM Lung Perf, Par, W/ Vnt Aero	(LNGVPA)
Chest pain, PE suspected, high prob	A
Pulmonary hypertension, primary	7
NM Myocardial Perf Rs Mult	(MYORS)
Chest pain, ACS suspected	8
Coronary artery disease, follow up	8
Pre-op, vascular/high risk surgery, known CVD/CKD/IDDM	A
Heart failure, new ischemic symptoms	A
Heart failure, follow up	7
Heart failure, worsening	A
NM Parathyroid Imaging	(PARAT)
MEN1, parathyroid, monitor	R
NM Thyroid Uptake-Multiple	(THYUM)
Thyroiditis suspected	8
Mediastinal mass, substernal thyroid suspected	8
Hyperthyroidism, suppressed TSH, no nodule	9
Hyperthyroidism, suppressed TSH, palpable nodule	9
Thyroid nodule(s) with low TSH	R