

**DIAGNOSTIC RADIOLOGISTS, PC
INTERVENTIONAL RADIOLOGY CPT CODE REFERENCE**

STUDY	CPT DESCRIPTION	CPT CODE	INDICATIONS FOR PROCEDURE	PRE-PROCEDURE REQUIREMENTS	OUTCOMES/FOLLOW-UP
Abscess Drainage	Drainage of abscess or fluid collection via catheter	10030-soft tissue 49405-kidney,liver,panc,lung 49406-peri/retroperi 49407-peri/retro via transvag/transrect	Patient has collection of fluid needing drainage externally	Conscious sedation, clear liquids after midnight, NPO 6 hrs prior	Patients will have catheter/drainage bag until collection resolves. Will need to come back for removal
Alcohol Injection/sclerosing	Sclerotherapy of fluid collection	49185	Ablation of tumor	Anesthesia for procedure, clear liquids after midnight, NPO 6 hrs prior	Patient will be admitted post procedure and may need 1 day IV antibiotics
Arteriogram (Angiogram)	Injection of intravascular contrast	75710- unilateral 75716- bilateral (plus CPT for location)	Pre-operative procedure to visualize arterial anatomy or emergent procedure to identify source of bleed	Clear liquids after midnight, NPO 6 hrs prior	Post procedure recovery up to 6 hours, may be required to lay flat with affected extremity held straight
Aspira Catheter for pleural effusion/pleural ascites	Perc insertion of tunneled pleural drainage catheter w/imaging	32550	Pleural effusion, pleural ascites	Clear liquids after midnight, NPO 6 hrs prior	Patients will have Aspira drainage bag or chest drainage system, need to come back for removal
Biliary Drainage	Placement of biliary drainage catheter (internal/external)	47534	Biliary obstruction with pruritus, cholangitis, or need to lower bilirubin for additional treatment	Clear liquids after midnight, NPO 6 hrs prior, pre-procedure antibiotics	Patients will have catheter/drainage bag for long time period,possibly permanently, will need to come back for routine change every 10-12 weeks
CT Guided Biopsy	Biopsy using CT Guidance	77012 (plus CPT for location)	To obtain tissue specimen for diagnosis	Clear liquids after midnight, NPO 6 hrs prior	Recovery in short stay 2-3 hours, results available to requesting physician in 24-72 hours
US Guided Biopsy	Biopsy using Ultrasound Guidance	76942 (plus CPT for location)	To obtain tissue specimen for diagnosis	Clear liquids after midnight, NPO 6 hrs prior	Recovery in short stay 2-3 hours, results available to requesting physician in 24-72 hours
Fluoro Guided Biopsy	Biopsy using Fluoroscopy Guidance	77002 (plus CPT for location)	To obtain tissue specimen for diagnosis	Clear liquids after midnight, NPO 6 hrs prior	Recovery in short stay 2-3 hours, results available to requesting physician in 24-72 hours
MRI Guided Biopsy	Biopsy using MRI Guidance	77021 (plus CPT for location)	To obtain tissue specimen for diagnosis	Clear liquids after midnight, NPO 6 hrs prior	Recovery in short stay 2-3 hours, results available to requesting physician in 24-72 hours
Transjugular Liver Biopsy	Intravascular biopsy of liver	75970, 37200	To obtain tissue specimen and pressure measurements for diagnosis	Clear liquids after midnight, NPO 6 hrs prior	Recovery in short stay 2-3 hours, results available to requesting physician in 24-72 hours
Catheter Check	Injection of percutaneous catheter with contrast	36598 (venous), 49465 (gastro, D-or J-tube)	Check catheter function or assess volume of a collection cavity	Patients do not need to be NPO unless sedation requested,may need pre-procedure antibiotics	If catheter is not functioning properly, catheter will be changed. If resolved, catheter will be removed
Cryoablation	Cryoablation of a tumor	CT Guided -77013, US Guided-76940 plus Renal-50593 or Liver-47383 Lung-0304T	Minimally invasive surgical alternative for treatment of tumors or masses. Thermal ablation(freezing) of tumor	Anesthesia for procedure, clear liquids after midnight, NPO 6 hrs prior, pre-procedure antibiotics, IR consult prior	Patient may be admitted post procedure
Embolization of tumor	Tumor embolization	37243	Pre-operative ablation of tumor to minimize blood loss during surgery, devascularization of tumor resulting in tumor ischemia	Clear liquids after midnight, NPO 6 hrs prior, pre-procedure antibiotics	Patient will be admitted post procedure, may experience post embolization syndrome(pain, nausea, vomiting, fever)
Venous Embolization	Embolization venous	37241	Venous malformations, hemangioma,varicosities	Clear liquids after midnight, NPO 6 hrs prior, pre-procedure antibiotics	Patient may be admitted post procedure
Arterial Embolization	Embolization arterial	37242	AVM/fistula, aneurysms, devascularization of tumor to minimize blood loss during surgery	Clear liquids after midnight, NPO 6 hrs prior, pre-procedure antibiotics	Patient may be admitted post procedure
Embolization for hemorrhage	Embolization arterial or venous for bleed	37244	GI, trauma, ruptured aneurysm, lymphatic extravasation, postpartum hemorrhage	Generally urgent/emergent	Patient may experience post embolization syndrome(pain, nausea, vomiting, fever)
Gastrostomy Tube	Placement/removal of gastrostomy tube	49440-placement, 49465-removal, 49450-change	For feeding or decompression	NPO after midnight, oral contrast ingested night prior, Notify IR if patient receiving steroids,need pre-procedure antibiotics	Patient always admitted post procedure. Tube feeds cannot be given for 24 hrs post placement
IVC Filter Placement/Removal	Placement/Removal of Inferior Vena Cava Filter	37191-placement, 37193-removal	Presence of DVT or PE, contraindication to anticoagulation, active emboli, prolonged immobilization	Clear liquids after midnight, NPO 6 hrs prior	Recovery in short stay 2-4 hrs
Kyphoplasty	Lumbar or Thoracic Kyphoplasty	22513-Thoracic 22514 - Lumbar add'l levels 22515	Pain caused by vertebral compression fracture	Clear liquids after midnight, NPO 6 hrs prior	Patient must lie flat for 4 hours post procedure, can go home same day if procedure done in am
Lumbar Puncture	Lumbar Puncture performed with fluoroscopy guidance	62270, 77003-Diagnostic 62272, 77003-Therapeutic	Need for CSF analysis, administration of intrathecal chemotherapy	Patients do not need to be NPO unless sedation requested	Patient must lie flat for 1 hour post procedure
Nephrostomy	Nephrostomy tube insertion	50432	Urinary obstruction w/goal to improve or preserve renal function, urinary diversion for fistula/leak	Clear liquids after midnight, NPO 6 hrs prior, pre-procedure antibiotics	If seen for consult prior, do not need to be admitted post-procedure, recover in short stay 2-3 hrs

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Nephroureterostomy	Nephroureterostomy (NUT) placement	50433	Urinary obstruction w/goal to improve or preserve renal function, urinary diversion for fistula/leak	Clear liquids after midnight, NPO 6 hrs prior, pre-procedure antibiotics	If seen for consult prior, do not need to be admitted post-procedure, recover in short stay 2-3 hrs
Pleurx Catheter	Placement of a Pleurx catheter to relieve a pleural effusion	48418	Pleural Effusion	Clear liquids after midnight, NPO 6 hrs prior, IR consult pre-procedure	Amount of drainage to be managed by IR or referring physician
Portal Vein Embolization	Venous embolization	37241	Pre-operatively performed approx 3 weeks prior to liver resection to allow atrophy of diseased part of liver and allow for regeneration of remaining liver	Clear liquids after midnight, NPO 6 hrs prior, pre-procedure antibiotics	Patient will be admitted post procedure
Radiofrequency/ Microwave Ablation	Ablation of a tumor utilizing radiofrequency waves, or microwave	CT -77013, US-76940, Renal-50592, Liver-47382	Ablation of tumor	Anesthesia for procedure, clear liquids after midnight, NPO 6 hrs prior, pre-procedure antibiotics, IR consult prior	Patient may be admitted post procedure
Routine Catheter Change-biliary or nephrostomy	Routine scheduled change of biliary or nephrostomy catheter	Biliary-47536 Neph- 50435	Routine every 10-12 week catheter change	Patients do not need to be NPO unless sedation requested, need pre-procedure antibiotics	none
Y90 Spheres	Selective Internal Radiation Therapy (SIRT)	Please contact dept directly. Multiple codes over days	Treatment for liver metastasis or primary cancer	Please contact IR Department	Please contact IR Department
Spine Biopsy	Biopsy of the spine	Bone -77012, 20220 Bone Marrow-77012, 38221, 20220	To obtain tissue specimen for diagnosis	Clear liquids after midnight, NPO 6 hrs prior	Recovery in short stay 2-3 hours, results available to requesting physician in 24-72 hours
SVC Stent	Placement of a metallic stent in the superior vena cava	37238	SVC Syndrome	Clear liquids after midnight, NPO 6 hrs prior	Patient will be admitted post procedure
Aspira Pleurx Catheter Placement	Placement of Tenckhoff catheter	49418	Recurrent ascites	Clear liquids after midnight, NPO 6 hrs prior, pre-procedure antibiotics	Amount of drainage to be managed by IR or referring physician
Ureteral Stent	Placement of a ureteral stent percutaneously or via the urethra	new access w/o cath=50694, new access w/neph cath=50695, existing=50693	Ureteral obstruction	Clear liquids after midnight, NPO 6 hrs prior	Patient will return to Department to check for stent function 1-2 weeks after placement. After initial placement, can be changed by Urology
Venous Access Device	Placement of a Venous Access Device (non-tunneled)	w/o port-36556 PICC-36569 PICC w/port-36571	Medical need for central venous access	Clear liquids after midnight, NPO 6 hrs prior	Device may be used immediately after placement, recovery up to 3 hours
Venous Access Device	Placement of a Venous Access Device (tunneled)	w/o port-36558, with port- 36561	Medical need for central venous access	Clear liquids after midnight, NPO 6 hrs prior	Device may be used immediately after placement, recovery up to 3 hours
Venous Access Device	Placement of Venous Access Device (powerport)	36561	Medical need for central venous access	Clear liquids after midnight, NPO 6 hrs prior	Device may be used immediately after placement, recovery up to 3 hours
Venous Catheter Removal	Remove a tunneled Venous Access Catheter	36590	Completion of treatment, infection or malfunction	none	Patient must remain upright for 3 hours post removal
Biliary Stent	Placement of an internal biliary stent	47538	A Wallstent is a self-expanding metal device that restores patency to obstructed bile ducts	Clear liquids after midnight, NPO 6 hrs prior, pre-procedure antibiotics	Patient may be admitted post procedure
Thrombolysis	Breaking down blood clot by pharmacologic or mechanical means	37211-arterial, 37212-venous, 37213-subsequent, 37214-last w/removal	Pulmonary embolism, acute limb ischemia, iliofemoral DVT, symptomatic deep vein thrombosis, thrombosed graft or fistula	Clear liquids after midnight, NPO 6 hrs prior	Depending upon type of thrombus, patient could be admitted or discharged same day. May need treatment spread over few days involving intravenous or intraarterial infusions
Dialysis Catheter Placement	Placement of a dialysis catheter	36558, 77001, 76937	Need for dialysis	Clear liquids after midnight, NPO 6 hrs prior	Device may be used immediately after placement, recovery up to 3 hours
AV Dialysis Shunt and Angiography		36901	Need for long term , lifelong dialysis access	Clear liquids after midnight, NPO 6 hrs prior	Cannot be used immediately. Can take up to one month before used.
Venography and IVUS	Injection of intravenous contrast	37252-unilateral 37253-bilateral , 37238,37239	To visualize venous anatomy and treat venous insufficiency	Clear liquids after midnight, NPO 6 hrs prior, pre-procedure antibiotics	Post procedure recovery up to 6 hours, may be required to lay flat with affected extremity held straight