

- #0+ 92979** each additional vessel (List separately in addition to code for primary procedure)  
 ➔ *CPT Changes: An Insider's View 2000*  
 ➔ *CPT Assistant* Nov 97:43-44, Nov 99:49, Dec 13:18, Dec 14:6

(Use 92979 in conjunction with 92978)

(Intravascular ultrasound services include all transducer manipulations and repositioning within the specific vessel being examined, both before and after therapeutic intervention [eg, stent placement])

(For intravascular spectroscopy, use 0205T)

(For intravascular optical coherence tomography, see 0291T, 0292T)

## Cardiology

Codes 93040-93042 are appropriate when an order for the test is triggered by an event, the rhythm strip is used to help diagnose the presence or absence of an arrhythmia, and a report is generated. There must be a specific order for an electrocardiogram or rhythm strip followed by a separate, signed, written, and retrievable report. It is not appropriate to use these codes for reviewing the telemetry monitor strips taken from a monitoring system. The need for an electrocardiogram or rhythm strip should be supported by documentation in the patient medical record.

(For echocardiography, see 93303-93350)

(For electrocardiogram, 64 leads or greater, with graphic presentation and analysis, see 0178T-0180T)

►(For acoustic cardiography services, use 93799)◀

- 93000** Electrocardiogram, routine ECG with at least 12 leads; with interpretation and report  
 ➔ *CPT Assistant* Aug 97:9, Feb 05:9, Mar 05:1, 11, Jul 08:3
- 93005** tracing only, without interpretation and report  
 ➔ *CPT Assistant* Aug 97:9, Mar 05:1
- 93010** interpretation and report only  
 ➔ *CPT Assistant* Aug 97:9, Mar 05:1, Apr 07:1
- (For ECG monitoring, see 99354-99360)
- 93015** Cardiovascular stress test using maximal or submaximal treadmill or bicycle exercise, continuous electrocardiographic monitoring, and/or pharmacological stress; with supervision, interpretation and report  
 ➔ *CPT Changes: An Insider's View 2013*  
 ➔ *CPT Assistant* Apr 96:11, Jun 96:10, Aug 02:10, Jul 08:3, Jan 10:8, May 10:6  
 ➔ *Clinical Examples in Radiology* Winter 10:12
- 93016** supervision only, without interpretation and report  
 ➔ *CPT Changes: An Insider's View 2013*  
 ➔ *CPT Assistant* Apr 96:11, Aug 02:10, Jul 08:3, Jan 10:8, May 10:6  
 ➔ *Clinical Examples in Radiology* Winter 10:12
- 93017** tracing only, without interpretation and report  
 ➔ *CPT Assistant* Aug 02:10, Jul 08:3, Jan 10:8, May 10:6  
 ➔ *Clinical Examples in Radiology* Winter 10:12

- 93018** interpretation and report only  
 ➔ *CPT Assistant* Apr 96:11, Jun 96:10, Jul 08:3, Jan 10:8, May 10:6  
 ➔ *Clinical Examples in Radiology* Winter 10:12

**93024** Ergonovine provocation test

- 93025** Microvolt T-wave alternans for assessment of ventricular arrhythmias  
 ➔ *CPT Changes: An Insider's View 2002*  
 ➔ *CPT Assistant* Mar 02:3

## Coding Tip

### Instructions for Reporting Electrocardiographic Recording

Codes 93040-93042 are appropriate when an order for the test is triggered by an event, the rhythm strip is used to help diagnose the presence or absence of an arrhythmia, and a report is generated. There must be a specific order for an electrocardiogram or rhythm strip followed by a separate, signed, written, and retrievable report. It is not appropriate to use these codes for reviewing the telemetry monitor strips taken from a monitoring system. The need for an electrocardiogram or rhythm strip should be supported by documentation in the patient medical record.

*CPT Coding Guidelines, Cardiovascular, Cardiology*

- 93040** Rhythm ECG, 1-3 leads; with interpretation and report  
 ➔ *CPT Assistant* Apr 04:8, Oct 10:10, Nov 12:6
- 93041** tracing only without interpretation and report  
 ➔ *CPT Assistant* Apr 04:8, Oct 10:10
- 93042** interpretation and report only  
 ➔ *CPT Assistant* Apr 04:8, Oct 10:10, Oct 11:7

## Coding Tip

### Instructions for Reporting Electrocardiographic Recording

Do not report 93268-93272 when performing 93279-93289, 93291-93296, or 93298-93299. Do not report 93040-93042 when performing 93279-93289, 93291-93296, or 93298-93299.

*CPT Coding Guidelines, Cardiovascular, Cardiology*  
*Implantable and Wearable Cardiac Device Evaluations*

- **93050** Arterial pressure waveform analysis for assessment of central arterial pressures, includes obtaining waveform(s), digitization and application of nonlinear mathematical transformations to determine central arterial pressures and augmentation index, with interpretation and report, upper extremity artery, non-invasive  
 ➔ *CPT Changes: An Insider's View 2016*  
 ►(Do not report 93050 in conjunction with diagnostic or interventional intra-arterial procedures)◀

**73706** Computed tomographic angiography, lower extremity, with contrast material(s), including noncontrast images, if performed, and image postprocessing

➔ CPT Changes: An Insider's View 2001, 2008

➔ CPT Assistant Jul 01:5-6, Dec 05:7, Jan 07:31, Apr 08:11, Apr 11:13

➔ Clinical Examples in Radiology Summer 08:8

(For CTA aorto-iliofemoral runoff, use 75635)

**73718** Magnetic resonance (eg, proton) imaging, lower extremity other than joint; without contrast material(s)

➔ CPT Changes: An Insider's View 2001

➔ CPT Assistant Jul 01:3

➔ Clinical Examples in Radiology Spring 07:7-9, 12, Summer 07:4, 5

**73719** with contrast material(s)

➔ CPT Changes: An Insider's View 2001

➔ CPT Assistant Jul 01:3

➔ Clinical Examples in Radiology Spring 07:7-9, 12, Summer 07:4, 5

**73720** without contrast material(s), followed by contrast material(s) and further sequences

➔ CPT Changes: An Insider's View 2001

➔ CPT Assistant Jul 01:3

➔ Clinical Examples in Radiology Spring 07:7-9, 12, Summer 07:4, 5

**73721** Magnetic resonance (eg, proton) imaging, any joint of lower extremity; without contrast material

➔ CPT Changes: An Insider's View 2001

➔ CPT Assistant Jul 01:3, Jun 06:17

➔ Clinical Examples in Radiology Spring 07:7-9, 12, Summer 07:4, 5

**73722** with contrast material(s)

➔ CPT Changes: An Insider's View 2001

➔ CPT Assistant Jul 01:3, Jun 06:17

➔ Clinical Examples in Radiology Spring 07:7-9, 12, Summer 07:4, 5, Spring 13:11

**73723** without contrast material(s), followed by contrast material(s) and further sequences

➔ CPT Changes: An Insider's View 2001

➔ CPT Assistant Jul 01:3

➔ Clinical Examples in Radiology Spring 07:7-9, 12, Summer 07:4, 5

**73725** Magnetic resonance angiography, lower extremity, with or without contrast material(s)

➔ CPT Assistant Dec 05:7, Jan 07:31

➔ Clinical Examples in Radiology Spring 06:1-3

## Abdomen

**74000** Radiologic examination, abdomen; single anteroposterior view

➔ CPT Assistant Nov 98:21

➔ Clinical Examples in Radiology Spring 07:4, Summer 09:11

**74010** anteroposterior and additional oblique and cone views

➔ CPT Assistant Jan 07:29, Jun 14:14

➔ Clinical Examples in Radiology Spring 07:4, 8, Summer 11:11

**74020** complete, including decubitus and/or erect views

**74022** complete acute abdomen series, including supine, erect, and/or decubitus views, single view chest

➔ CPT Changes: An Insider's View 2003

**74150** Computed tomography, abdomen; without contrast material

➔ CPT Changes: An Insider's View 2003

➔ CPT Assistant Oct 02:12, Mar 05:1, 4, Apr 10:9, Nov 11:6, Oct 12:12

➔ Clinical Examples in Radiology Spring 07:3, 11, Fall 08:7, Fall 09:9, Fall 11:8, Winter 11:8, 9

**74160** with contrast material(s)

➔ CPT Assistant Mar 05:1, 4, Apr 10:9, Nov 11:6, Oct 12:12

➔ Clinical Examples in Radiology Spring 07:3, 11, Fall 08:7, Summer 10:10, Fall 11:8, Winter 11:8, 9

**74170** without contrast material, followed by contrast material(s) and further sections

➔ CPT Assistant Mar 05:4, Apr 10:9, Nov 11:6, Oct 12:12

➔ Clinical Examples in Radiology Winter 05:1, 7-8, 12, Spring 07:3, 11, Fall 08:7, Fall 11:8, Winter 11:8, 9

(For a combined CT abdomen and pelvis study, see 74176-74178)

(To report 3D rendering, see 76376, 76377)

(For computed tomographic colonography, diagnostic, see 74261-74262. For computed tomographic colonography, screening, use 74263)

(Do not report 74150-74170 in conjunction with 74261-74263)

**74174** Computed tomographic angiography, abdomen and pelvis, with contrast material(s), including noncontrast images, if performed, and image postprocessing

➔ CPT Changes: An Insider's View 2012

➔ Clinical Examples in Radiology Fall 11:8

(Do not report 74174 in conjunction with 72191, 73706, 74175, 75635, 76376, 76377)

(For CTA aorto-iliofemoral runoff, use 75635)

**74175** Computed tomographic angiography, abdomen, with contrast material(s), including noncontrast images, if performed, and image postprocessing

➔ CPT Changes: An Insider's View 2001, 2008

➔ CPT Assistant Jul 01:6, Dec 05:7, Jan 07:31, Apr 11:13

➔ Clinical Examples in Radiology Summer 08:8, Fall 09:10, Fall 11:8

(Do not report 74175 in conjunction with 73706 or 75635. For CTA aorto-iliofemoral runoff, use 75635)

(Do not report 74175 in conjunction with 72191. For a combined computed tomographic angiography abdomen and pelvis study, use 74174)

- 72131** Computed tomography, lumbar spine; without contrast material  
 ➔ *CPT Changes: An Insider's View* 2003  
 ➔ *Clinical Examples in Radiology* Summer 07:11, Spring 12:10
- 72132** with contrast material  
 ➔ *CPT Assistant* Fall 93:13, Sep 14:3  
 ➔ *Clinical Examples in Radiology* Fall 06:5-6, 11-12, Fall 14:6
- 72133** without contrast material, followed by contrast material(s) and further sections  
 ➔ *Clinical Examples in Radiology* Fall 14:7, 11  
 (For intrathecal injection procedure, see 61055, 62284)  
 (To report 3D rendering, see 76376, 76377)
- 72141** Magnetic resonance (eg, proton) imaging, spinal canal and contents, cervical; without contrast material  
 ➔ *CPT Assistant* Apr 10:10, Jun 14:14
- 72142** with contrast material(s)  
 ➔ *CPT Assistant* Apr 10:10  
 (For cervical spinal canal imaging without contrast material followed by contrast material, use 72156)
- 72146** Magnetic resonance (eg, proton) imaging, spinal canal and contents, thoracic; without contrast material  
 ➔ *CPT Assistant* May 99:10, Apr 10:10, Jun 14:14
- 72147** with contrast material(s)  
 ➔ *CPT Assistant* May 99:10, Apr 10:10  
 (For thoracic spinal canal imaging without contrast material followed by contrast material, use 72157)
- 72148** Magnetic resonance (eg, proton) imaging, spinal canal and contents, lumbar; without contrast material  
 ➔ *CPT Assistant* Nov 05:15, Jun 14:14  
 ➔ *Clinical Examples in Radiology* Spring 06:6, 11
- 72149** with contrast material(s)  
 (For lumbar spinal canal imaging without contrast material followed by contrast material, use 72158)
- 72156** Magnetic resonance (eg, proton) imaging, spinal canal and contents, without contrast material, followed by contrast material(s) and further sequences; cervical
- 72157** thoracic
- 72158** lumbar
- 72159** Magnetic resonance angiography, spinal canal and contents, with or without contrast material(s)  
 ➔ *CPT Assistant* Dec 05:7, Jan 07:31
- 72170** Radiologic examination, pelvis; 1 or 2 views  
 ➔ *CPT Changes: An Insider's View* 2001  
 ➔ *CPT Assistant* Sep 01:7, Mar 03:23  
 ➔ *Clinical Examples in Radiology* Spring 05:12
- 72190** complete, minimum of 3 views  
 (For pelvimetry, use 74710)  
 (For a combined computed tomography [CT] or computed tomographic angiography abdomen and pelvis study, see 74174, 74176-74178)

- 72191** Computed tomographic angiography, pelvis, with contrast material(s), including nonecontrast images, if performed, and image postprocessing  
 ➔ *CPT Changes: An Insider's View* 2001, 2008  
 ➔ *CPT Assistant* Jul 01:4, 6, Dec 05:7, Jan 07:31  
 ➔ *Clinical Examples in Radiology* Summer 08:8, Fall 09:10, Fall 11:9  
 (Do not report 72191 in conjunction with 73706 or 75635. For CTA aorto-iliiofemoral runoff, use 75635)  
 (Do not report 72191 in conjunction with 74175. For a combined computed tomographic angiography abdomen and pelvis study, use 74174)
- 72192** Computed tomography, pelvis; without contrast material  
 ➔ *CPT Changes: An Insider's View* 2003  
 ➔ *CPT Assistant* Mar 05:1, 4, Mar 07:10, Apr 10:9, Nov 11:6, Oct 12:12  
 ➔ *Clinical Examples in Radiology* Winter 06:11, Spring 07:3, 11, Summer 07:11, Fall 09:9, Fall 11:8, Winter 11:8-10
- 72193** with contrast material(s)  
 ➔ *CPT Assistant* Mar 05:1, 4, Mar 07:10, Apr 10:9, Nov 11:6, Oct 12:12  
 ➔ *Clinical Examples in Radiology* Winter 05:1, 7, Spring 07:3, 11, Fall 11:8, Winter 11:8-10
- 72194** without contrast material, followed by contrast material(s) and further sections  
 ➔ *CPT Assistant* Mar 05:1, 4, Mar 07:10, Apr 10:9, Nov 11:6, Oct 12:12  
 ➔ *Clinical Examples in Radiology* Spring 07:3, 11, Fall 11:8, Winter 11:8-10  
 (For a combined CT abdomen and pelvis study, see 74176-74178)  
 (To report 3D rendering, see 76376, 76377)  
 (For computed tomographic colonography, diagnostic, see 74261-74262. For computed tomographic colonography, screening, use 74263)  
 (Do not report 72192-72194 in conjunction with 74261-74263)
- 72195** Magnetic resonance (eg, proton) imaging, pelvis; without contrast material(s)  
 ➔ *CPT Changes: An Insider's View* 2001  
 ➔ *CPT Assistant* Jul 01:7, Jun 06:17, Jun 14:14  
 ➔ *Clinical Examples in Radiology* Spring 06:8-9, Fall 06:7-8, Summer 07:4, 5
- 72196** with contrast material(s)  
 ➔ *CPT Changes: An Insider's View* 2001  
 ➔ *CPT Assistant* Jul 01:7, Jun 06:17  
 ➔ *Clinical Examples in Radiology* Spring 06:8-9, Fall 06:7-8
- 72197** without contrast material(s), followed by contrast material(s) and further sequences  
 ➔ *CPT Changes: An Insider's View* 2001  
 ➔ *CPT Assistant* Jul 01:7  
 ➔ *Clinical Examples in Radiology* Spring 06:8-9, Fall 06:2-3, 7-9  
 ►(Do not report 72195, 72196, 72197 in conjunction with 74712, 74713)◀  
 ►(For magnetic resonance imaging of a fetus[es], see 74712, 74713)◀

## **Medical Coding Sample Charts:**

### **Radiology Chart**

**Procedure Ordered : FCT ABDOMEN WO CONTRAST , FCT PELVIS WO CONTRAST**

**Admitting DX : RT SIDE PAIN**

**Working DX : RT SIDE PAIN**

### **CT ABDOMEN AND PELVIS WO CONTRAST**

**INDICATION :** Evaluation with right sided-pain, possible stones. Multiple helical images were performed from the base of the lungs to the proximal third of the femurs without IV or oral contrast administration. There is a small to moderate sized pericardial effusion. There are mild basilar infiltrates. The liver is diffusely increased in the attenuation probably consistent with iron supplement. There is mild hydronephrosis of the right ureter, which is difficult to trace in the pelvis. This could suggest a small stone on the side distally. Trace amount of fluid seen in the pelvis.

### **IMPRESSION:**

- 1. Small to moderate sized pericardial effusion.**
  - 2. Bilateral lower lobe infiltrates.**
  - 3. Diverticulosis without evidence of actual diverticulitis.**
  - 4. Mild right hydronephrosis without clear visualization of the distal right ureter. There could be a proximal small ureteral calculus on the right side that is not wellvisualized.**
  - 5. Trace amount of ascites.**
  - 6. Increased attenuation of the liver that could be consistent with iron supplement.**
-

- 70559** without contrast material(s), followed by contrast material(s) and further sequences  
 ➔ *CPT Changes: An Insider's View 2004*
- (For stereotactic biopsy of intracranial lesion with magnetic resonance guidance, use 61751. Codes 70557, 70558, or 70559 may be reported only if a separate report is generated. Report only 1 of the above codes once per operative session. Do not use these codes in conjunction with 61751, 77021, 77022)

## Chest

(For fluoroscopic or ultrasonic guidance for needle placement procedures (eg, biopsy, aspiration, injection, localization device) of the thorax, see 76942, 77002)

- 71010** Radiologic examination, chest; single view, frontal  
 ➔ *CPT Assistant* Aug 00:1, Feb 07:10, Jul 07:1, 6  
 ➔ *Clinical Examples in Radiology* Summer 09:11, Fall 09:10
- 71015** stereo, frontal  
 ➔ *CPT Assistant* Feb 07:10, Jul 07:1
- 71020** Radiologic examination, chest, 2 views, frontal and lateral;  
 ➔ *CPT Assistant* Sep 03:3, Mar 05:11, Feb 07:10, Jul 07:1, 6, Dec 09:14, Sep 10:6
- 71021** with apical lordotic procedure
- 71022** with oblique projections  
 ➔ *CPT Assistant* Jul 07:6
- 71023** with fluoroscopy  
 ➔ *CPT Assistant* Aug 03:14, Dec 08:7
- 71030** Radiologic examination, chest, complete, minimum of 4 views;  
 ➔ *CPT Assistant* Jul 07:6, Dec 09:14
- (For concurrent computer-aided detection [CAD] performed in addition to codes 71010, 71020, 71021, 71022, and 71030, use 0174T. Do not report 71010, 71020, 71021, 71022, and 71030 in conjunction with 0175T for CAD performed remotely from the primary interpretation)
- 71034** with fluoroscopy  
 ➔ *CPT Assistant* Aug 03:14, Dec 08:7
- (For separate chest fluoroscopy, use 76000)
- 71035** Radiologic examination, chest, special views (eg, lateral decubitus, Bucky studies)  
 ▶(71040, 71060 have been deleted. To report, use 76499)◀  
 (71090 has been deleted. To report pacemaker or pacing cardioverter-defibrillator lead insertion, replacement, or revision procedures with fluoroscopic guidance, see 33206-33249. To report fluoroscopic guidance for diagnostic lead evaluation without lead insertion, replacement, or revision procedures, use 76000)
- 71100** Radiologic examination, ribs, unilateral; 2 views
- 71101** including posteroanterior chest, minimum of 3 views

- 71110** Radiologic examination, ribs, bilateral; 3 views
- 71111** including posteroanterior chest, minimum of 4 views
- 71120** Radiologic examination; sternum, minimum of 2 views
- 71130** sternoclavicular joint or joints, minimum of 3 views
- 71250** Computed tomography, thorax; without contrast material  
 ➔ *CPT Assistant* Jul 07:13, Aug 11:10; *CPT Changes: An Insider's View 2003*  
 ➔ *Clinical Examples in Radiology* Fall 08:7
- 71260** with contrast material(s)  
 ➔ *CPT Assistant* Jul 01:4, Jun 09:9  
 ➔ *Clinical Examples in Radiology* Summer 05:4, Fall 08:7, 11, 12
- 71270** without contrast material, followed by contrast material(s) and further sections  
 ➔ *CPT Assistant* Jun 01:10, Jul 07:13  
 ➔ *Clinical Examples in Radiology* Fall 08:7
- (For cardiac computed tomography of the heart, see 75571-75574)
- (To report 3D rendering, see 76376, 76377)
- 71275** Computed tomographic angiography, chest (noncoronary), with contrast material(s), including noncontrast images, if performed, and image postprocessing  
 ➔ *CPT Assistant* Jul 01:4, Jun 05:11, Dec 05:7, Jan 07:31, Mar 07:7, Jun 09:9, Aug 11:10; *CPT Changes: An Insider's View* 2001, 2007, 2008  
 ➔ *Clinical Examples in Radiology* Spring 05:7, Fall 08:11, 12, Spring 09:11, Fall 09:10, Winter 10:2
- (For coronary artery computed tomographic angiography including calcification score and/or cardiac morphology, use 75574)
- 71550** Magnetic resonance (eg, proton) imaging, chest (eg, for evaluation of hilar and mediastinal lymphadenopathy); without contrast material(s)  
 ➔ *CPT Assistant* Jul 01:7, Apr 10:10, Sep 10:10; *CPT Changes: An Insider's View 2001*
- 71551** with contrast material(s)  
 ➔ *CPT Assistant* Jul 01:7, Sep 10:10; *CPT Changes: An Insider's View 2001*
- 71552** without contrast material(s), followed by contrast material(s) and further sequences  
 ➔ *CPT Assistant* Jul 01:7, Apr 10:10, Sep 10:10; *CPT Changes: An Insider's View 2001*
- (For breast MRI, see 77058, 77059)
- 71555** Magnetic resonance angiography, chest (excluding myocardium), with or without contrast material(s)  
 ➔ *CPT Assistant* Fall 95:2, Dec 05:7, Jan 07:31

## Spine and Pelvis

- 72010** Radiologic examination, spine, entire, survey study, anteroposterior and lateral  
 ➔ *CPT Assistant* May 02:18, Jan 07:29  
 ➔ *Clinical Examples in Radiology* Fall 09:10
- 72020** Radiologic examination, spine, single view, specify level