



Complete Guide for Interventional Radiology

An in-depth guide to interventional radiology coding, billing and reimbursement for facilities and physicians

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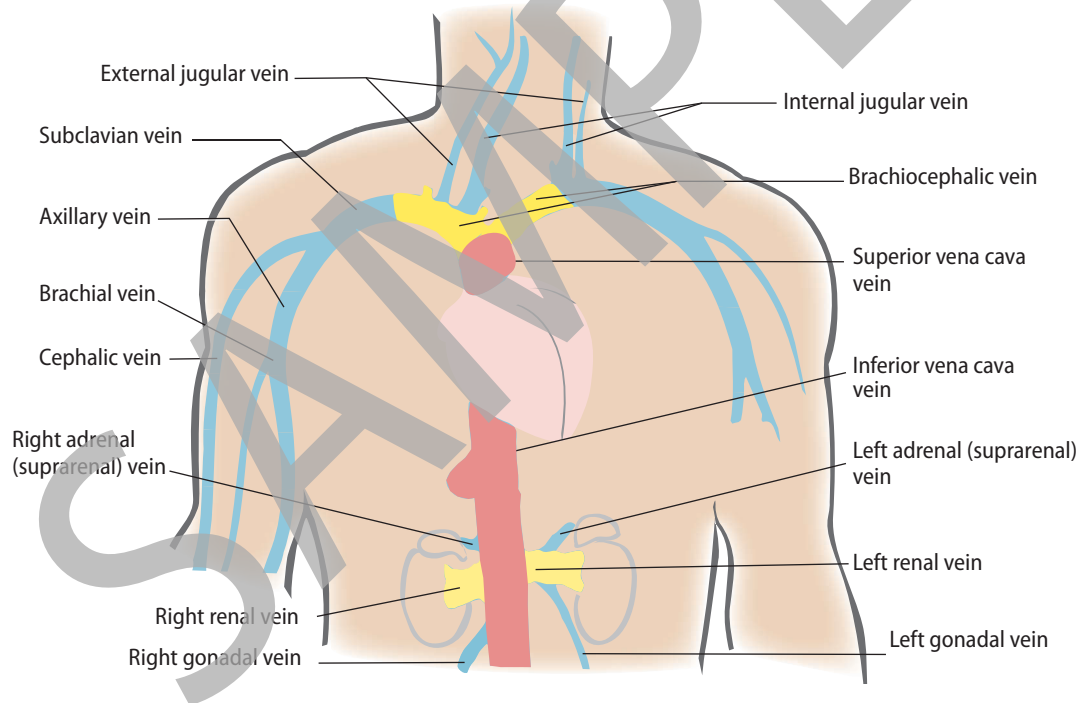
Percutaneous Vascular Filter Placement, Repositioning, and Removal

Vascular filters are placed in the inferior vena cava (IVC) in patients at risk of pulmonary embolism from known deep vein thrombosis. In the interventional radiology area, these filters are placed via percutaneous transcatheter approach. Special catheters containing a pre-loaded filter are inserted into the IVC via femoral vein or internal jugular approach and the filter is deployed. The filter grips the walls of the vena cava and is designed to “catch” clots migrating from the lower extremities. Filters may be temporary or permanent.

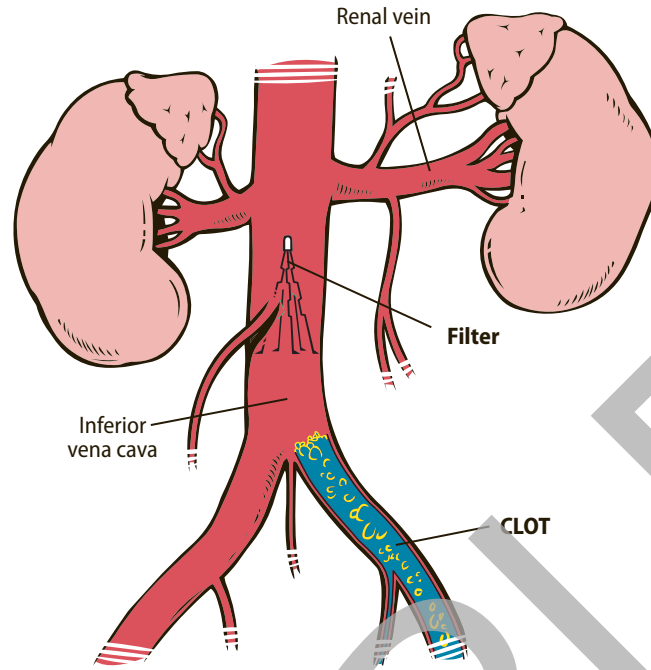
- 37191 Insertion of intravascular vena cava filter, endovascular approach including vascular access, vessel selection, and radiological supervision and interpretation, intraprocedural roadmapping, and imaging guidance (ultrasound and fluoroscopy), when performed**
- 37192 Repositioning of intravascular vena cava filter, endovascular approach including vascular access, vessel selection, and radiological supervision and interpretation, intraprocedural roadmapping, and imaging guidance (ultrasound and fluoroscopy), when performed**
- 37193 Retrieval of intravascular vena cava filter, endovascular approach including vascular access, vessel selection, and radiological supervision and interpretation, intraprocedural roadmapping, and imaging guidance (ultrasound and fluoroscopy), when performed**

A filter is placed into the inferior vena cava percutaneously, usually through the right internal jugular vein. Fluoroscopy is used to monitor and guide the process. An incision is made just above the clavicle and then another small incision is made into the vein once it is identified. A catheter loaded with the filter is inserted into the vein and threaded through until it reaches the inferior vena cava. The filter is released from the catheter and opens to fill the diameter and grip the walls of the vena cava. The filter-loaded catheter may also be advanced over a guidewire to the vena cava after needle puncture of the internal jugular vein.

Central Venous Anatomy



IVC Filter Placement



CPT Coding for IVC Filter Procedures

Service Performed	Code Reported
IVC filter placement	37191
IVC filter repositioning	37192
IVC filter removal	37193

Coding Tips

1. These codes are comprehensive codes. Component coding no longer applies.
2. Catheter placement is included in codes 37191–37193 and is not reported separately.
3. Intravascular ultrasound is included in these procedures. Do not separately report 37252 or 37253.
4. Report diagnostic inferior vena cavagram with CPT code 75825 only when performed for diagnostic purposes and results are used to make the clinical decision to proceed with filter placement. Append modifier 59 or appropriate X modifier.
5. Temporary and permanent filter placement is coded in the same manner.
6. Report the procedure to reposition a previously placed filter with CPT code 37192. This repositioning must be a separately documented procedure.
7. Report the procedure to remove a previously placed filter with CPT code 37193.
8. Conscious sedation is not included in these codes. Separately report 99151–99157 per payer policy and coding guidelines. Hospitals may choose to include the costs associated with the service as part of the procedure rather than reporting them separately.
9. Report the applicable device codes (HCPCS codes) in addition to the procedure code. Refer to the HCPCS section below for possible codes.
10. Hospitals are requested to continue reporting low osmolar contrast media separately with HCPCS Level II codes Q9965–Q9967. Report contrast media by milliliter rather than by bottle or other unit.

Facility HCPCS Coding

Some applicable codes may include but are not limited to:

- C1773 Retrieval device, insertable
- C1880 Vena cava filter
- Q9965 LOCM, 100-199 mg/ml iodine concentration, per ml
- Q9966 LOCM, 200-299 mg/ml iodine concentration, per ml
- Q9967 LOCM, 300-399 mg/ml iodine concentration, per ml

Note: See appendix B for a complete listing of reportable HCPCS Level II codes.

Endovascular Transluminal Angioplasty—Visceral and Brachiocephalic Arteries, Aorta

Angioplasty is a common procedure performed to improve blood flow in arteries or veins that have become narrowed or blocked. In the interventional radiology area, these procedures are performed by percutaneous technique using specially designed balloon catheters. They may also be performed in a surgical setting using either an open approach or a percutaneous approach.

37246 Transluminal balloon angioplasty (except lower extremity artery(ies) for occlusive disease, intracranial, coronary, pulmonary, or dialysis circuit), open or percutaneous, including all imaging and radiological supervision and interpretation necessary to perform the angioplasty within the same artery; initial artery

37247 each additional artery (List separately in addition to code for primary procedure)
 A narrowing or stricture of a peripheral artery is stretched to allow a normal flow of blood. A local anesthetic is applied over the access site, usually the femoral artery, and the skin is percutaneously punctured with a needle. A guidewire is inserted and fed through the blood vessel and the needle is removed. A catheter with a deflated balloon is then advanced over the guidewire to the narrowed portion of the vessel. The balloon is inflated to stretch the vessel to a larger diameter allowing a more normal flow of blood. Several inflations may be performed along the narrowed area. Transluminal angioplasty may be done through an incision in the skin overlying the artery of access. Vessel clamps are applied and then the artery is nicked to create an opening for the balloon catheter.

Angioplasty

