



What is Interventional Radiology (IR)?

Interventional Radiology (IR) is a subspecialty of Radiology. Interventional Radiologists diagnose and treat a vast array of conditions by performing minimally invasive procedures visually guided by X-rays, Computed Tomography (CT) or Ultrasound.

Who are Interventional Radiologists?

Interventional Radiologists at WMC are radiologists who have special education, training, certification, and experience in performing minimally invasive interventional procedures under X-ray, Ultrasound, or CT guidance. Your Interventional Radiologist at WMC will work closely with your physician to be sure you receive the best possible care.



The primary mission of **Westchester Medical Center** is to serve as the regional healthcare referral center providing high-quality advanced health services to the residents of the Hudson Valley and the surrounding area. In support of this mission, Westchester Medical Center also serves as an academic medical center committed to education and research

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Interventional Radiology (IR)



Westchester
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How do IR procedures work?

Interventional Radiologists use imaging, like X-rays, to see inside a patient's body, pinpoint where the problem is and map out how to get there without a surgical operation. These highly skilled physicians use a very small nick in the skin to guide catheters or other instruments through the vascular system, urinary tract, or gastrointestinal tract, in a minimally invasive manner to treat disease directly at the source, or to take tissue samples for analysis.

What are the advantages of IR procedures?

While no treatment is risk free, the risks of IR procedures can be far lower than the risks of open surgery. The specific advantages are:

- *No large incisions; usually performed through a small nick the size of the lead tip of a pencil.*
- *Since there is no open surgery, there are no large scars following the procedures.*
- *Minimally invasive procedures have a lower risk of complications than open surgical procedures.*
- *Many procedures can be performed on an outpatient basis or via short hospital stay.*
- *Patients rarely require general anesthesia; typically sedation and pain medication are given to make the patient comfortable during the IR procedure.*
- *Recovery time is often significantly reduced.*

How is the IR service unique at WMC?

WMC has the largest and the most advanced IR radiology service in the Hudson Valley. Our IR service is staffed by a team of highly qualified, dedicated nurses and technologists that provide outstanding care to our patients before, during and immediately after procedures. Experienced Radiology Physician Assistants provide clinical support to our Interventional Radiologists. Our newly renovated IR suite features state-of-the-art equipment and procedure rooms, and a 6 bed holding area, all combined in a patient-friendly environment. Our IR team is available 24 hours-a-day, 365 days-a-year to provide the most advanced interventional services including emergent Trauma support for the Hudson Valley.

What to expect during an IR procedure at WMC?

Patients are required to have current lab tests, as per IR specifications. After patient arrival in the IR Unit, an Interventional Radiologist or a Physician Assistant will come to speak with the patient, discuss the procedure, answer any questions the patient may have and obtain the patient's permission for the procedure. The patient will then be prepped for the exam and taken to the IR suite for the procedure. Following the procedure, the patient will return to the nursing area for recovery. The time for recovery varies based on the procedure. The patient is then discharged from IR Unit.

What IR services are offered at WMC?

The following are some of the procedures routinely performed by VIR:

- *Uterine fibroid embolization, a non-operative treatment of women with fibroids.*
- *Varicocele embolization, a non-operative treatment of varicocele.*
- *Treatment of tumors, by chemoembolization (injection of therapeutic agents directly into the blood vessel supplying the tumor) and by percutaneous ablation (such as destroying the tumor with microwave probe).*
- *Complete hemodialysis access service, with declotting and repairing grafts, and veins, in order to prolong the functional life of accesses.*
- *Placement and maintenance of short- and long-term catheters and ports into the venous system for injection of medications, intravascular nutrition and hemodialysis.*
- *Liver biopsy, percutaneous and via the jugular vein to decrease the risk of bleeding in patients with poor clotting.*
- *Percutaneous needle biopsies of the neck, thyroid, chest, lungs, abdominal organs, bones and soft tissues.*
- *Vena Cava Filter placement (to prevent traveling of life-threatening blood clots to the lungs—pulmonary embolism) and retrieval of the device when it is no longer needed.*
- *Porto-systemic shunting (TIPS), for treatment of patients with complications (e.g., ascites or variceal bleeding) of chronic liver disease.*



Dr. Grigory Rozenblit is the Director of Vascular and Interventional Radiology (VIR) at Westchester Medical Center, Professor of Radiology and Surgery at New York Medical College and Fellow of the Society of Interventional Radiology. Dr. Rozenblit holds American Board of Radiology certification in Diagnostic Radiology

and Certification of Added Qualification in Vascular and Interventional Radiology. Dr. Rozenblit is one of the most highly skilled and experienced interventional radiologists in the Hudson Valley with nearly 40 years of experience in all facets of VIR. His interests include porto-systemic shunting, the utilization of minimally invasive techniques for trans-arterial chemo-embolization and percutaneous tumor ablation, biliary and genitourinary interventions.



Dr. Shekher Maddineni is an Attending Interventional Radiologist at Westchester Medical Center and Assistant Professor of Radiology at New York Medical College. He received his training in Vascular and Interventional Radiology at Montefiore Medical Center, Albert Einstein School of Medicine and holds American Board of Radiology

Certification in Diagnostic Radiology and Certification of Added Qualification in Vascular and Interventional Radiology. Dr. Maddineni's interests include uterine artery embolization, chemo-embolization, microwave tumor ablation, dialysis access and varicose vein treatment.



Dr. Samuel McCabe is an Interventional Radiologist at Westchester Medical Center and Assistant Professor of Radiology at New York Medical College. He received his training in Vascular and Interventional Radiology at the Mount Sinai School of Medicine and holds American Board of Radiology Certification in Diagnostic Radiology.

Dr. McCabe's interests include hepatobiliary and genitourinary interventions, interventional oncology, portal hypertension, and peripheral vascular disease.