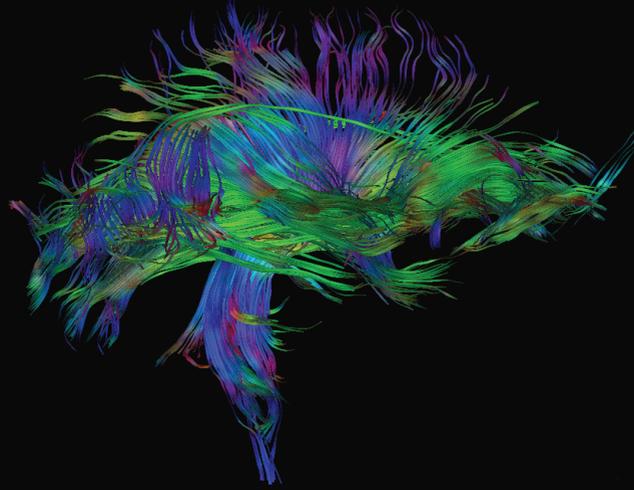


What Neuroradiology Imaging Services are offered at Westchester Medical Center?

- *MRI of the brain and spine*
- *MR Angiography (MRA) of the head and neck*
- *MRI and CT of the orbits, IACs/temporal bones, and sinuses*
- *MRI and CT of the neck soft tissues*
- *MR Spectroscopy*
- *Functional MRI (fMRI)*
- *Perfusion and diffusion techniques*
- *Contrast-enhanced techniques*
- *Diffusion Tensor Imaging*
- *3 Tesla MR Imaging*
- *Myelography*
- *Lumbar Puncture*
- *CT of the brain and spine*
- *CT Angiography (CTA) of the head and neck*
- *CT Perfusion including Diamox Challenge*
- *3D and multiplanar reconstruction*



What is Neuroradiology?

Neuroradiology is a subspecialty of Radiology focusing on the diagnosis and characterization of abnormalities of the central and peripheral nervous system, spine, head and neck. A neuroradiologist uses imaging technology to help diagnose disorders of the brain, spinal cord, nerves and muscles.



Westchester
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The Advanced Imaging Center at Westchester Medical Center is a one-stop, full-service facility offering the latest advanced diagnostic technology in such areas as MRI, CT Scan, Bone Density, Ultrasound, Mammography and General Radiology, including one of the most advanced imaging systems available for clinical care, the 256-slice computed tomography (CT) scanner.

In order to maintain our high standard of care, all of our services have undergone voluntary accreditation programs from the American College of Radiology.

Westchester Medical Center Advanced Imaging

19 Bradhurst Ave., Suite 1000, Hawthorne, NY 10532

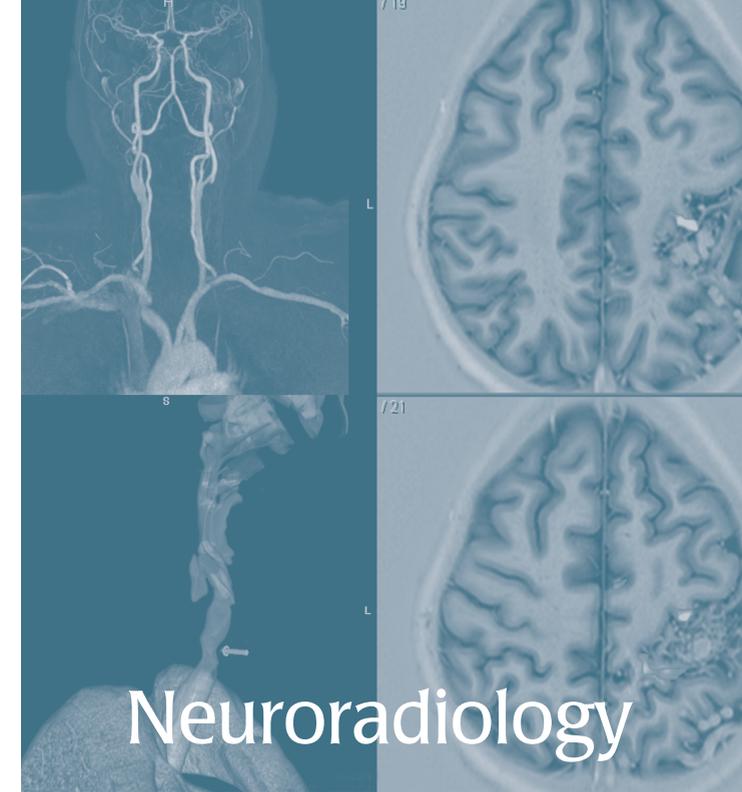
Phone: (914) 493-2500

to schedule an appointment press 2

Fax: (914) 493-2501

To make an appointment at the hospital, please call (914) 493-1927 (Neuro MRI) or (914) 493-1512 (Neuro CT).

12-0631 1.13



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Department of
Radiology



Who are Neuroradiologists?

Neuroradiologists are highly trained physicians who have completed diagnostic radiology residency training as well as additional subspecialty fellowship training. At Westchester Medical Center, each of our neuroradiologists has received extensive training in this highly complex subspecialty. Our goal is to help provide superior patient care through diagnosis and collaboration regarding imaging and treatment options. We provide a full array of innovative diagnostic imaging modalities and procedures that can identify the primary pathology underlying patients' physical signs and symptoms.

What is the specific role of a Neuroradiologist in a hospital?

A neuroradiologist is a critical part of the healthcare team. As a member of the treatment team, a neuroradiologist is critical in ensuring that a precise diagnosis is established. Upon referral from a referring physician, a neuroradiologist protocols the imaging examinations to ensure that the correct tests to assess the neurological symptoms of the patient are performed. A precise diagnosis enables the best outcome.

What contribution does Neuroradiology make to the world of medicine?

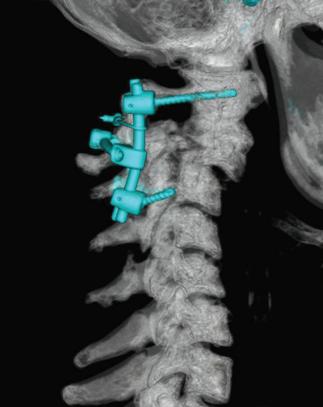
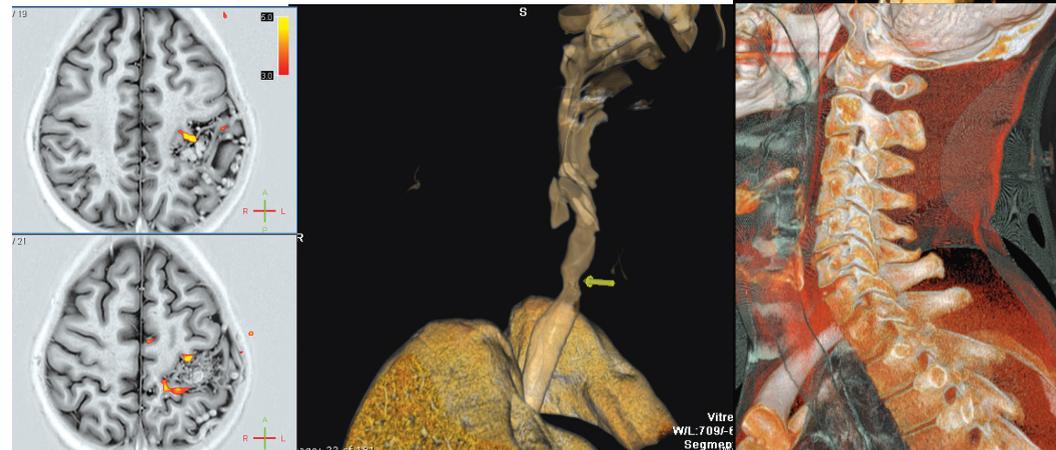
The techniques and tools utilized in this advanced medical specialty allow neuroradiologists to diagnose stroke, tumor, congenital abnormalities, aneurysms, and many other causes of neurological dysfunction at an early stage. Early diagnosis allows the treating physician—typically a neurologist, neurosurgeon, or orthopedic surgeon to accurately advise the patient and start the best therapy at the earliest possible time.

What are the common indications that would require Neuroradiology Imaging?

- *Back pain*
- *Headache*
- *Stroke*
- *Dementia*
- *Cerebral aneurysm*
- *Head and neck vascular disease*
- *Head and neck tumors*
- *Paranasal sinus disease*
- *Loss of vision or visual disturbance*
- *Hearing loss or tinnitus*
- *Weakness, numbness, or tingling*
- *Trauma*

Intravenous Injections?

For some procedures, it may be necessary to inject an iodine based contrast material (for CT Studies) or gadolinium based contrast material (for MRI Studies), sometimes referred to as "dye". The "dye" enables neuroradiologists to see specific areas of the brain more clearly. The need for this will be determined by the neuroradiologists based on the information your doctor provides. Some patients may experience a feeling of warmth while the dye/contrast is being administered; this is normal. Most patients do not experience complications. However, mild reactions may occur including sneezing, itchiness, hives, nausea, headaches or vomiting. These reactions will pass without treatment or respond quickly to medications.



WMC Neuroradiologists



Michael Tenner, M.D.
Attending Physician,
Director, Neuroradiology

Dr. Michael Tenner is the Director of the Division of Neuroradiology at Westchester Medical Center and Professor of Radiology and Neurosurgery at New York Medical College. Dr. Tenner received his training from University Hospital of Baltimore, and fellowship in Neuroradiology from the Neurological Institute of New York, Columbia-Presbyterian Medical Center. He holds American Board of Radiology Certification in Diagnostic Radiology and Certification of Added Qualification in Neuroradiology. Dr. Tenner's interests include stroke, carotid stenosis, cerebral aneurysm, arterial venous malformations, brain and central nervous system disease and tumor evaluations. Awards: Included in Top Doctors of New York, Westchester, & U.S., 2009



Hasit Mehta, M.D.
Attending Physician,
Neuroradiology

Dr. Hasit Mehta is an Attending Neuroradiologist at Westchester Medical Center and Assistant Professor of Radiology, Neurosurgery and Neurology at New York Medical College. He received his training in Neuroradiology at the Neurologic Institute of New York-Columbia University College of Physicians and Surgeons. He holds American Board of Radiology Certification in Diagnostic Radiology and Certification of Added Qualification in Neuroradiology. He is a senior member of the American Society of Neuroradiology. Dr. Mehta's interests include advanced MR imaging including MR perfusion, MR spectroscopy, Diffusion Tensor Imaging and Functional Magnetic Resonance Imaging.



Shalabh Bobra, M.D.
Attending Physician,
Neuroradiology

Dr. Shalabh Bobra is an attending Neuroradiologist at Westchester Medical Center and Assistant Professor of Radiology at New York Medical College. He received his residency training in Diagnostic Radiology and fellowship in Neuroradiology at the Mayo Clinic in Rochester Minnesota. He holds American Board of Radiology Certification in Diagnostic Radiology and Certificate of Added Qualification in Neuroradiology. Dr. Bobra is a senior member of the American Society of North America. His interests include the use of advanced CT and MRI techniques in the evaluation of Stroke, Brain Tumors, Epilepsy, Multiple Sclerosis and Pediatric Brain Disorders.