

## EXPERTISE AND TEAMWORK APPROACH

Wake Radiology has been a leader in neuroradiology imaging in the Triangle area since 1988. It is our contingent of subspecialty-trained neuroradiologists, many with Certifications of Added Qualifications (CAQ), that read and interpret all neuroimaging exams. They hail from the finest universities and teaching hospitals in the country and have raised the bar of neuroimaging in the Triangle. With expertise in all imaging modalities, Wake Radiology is where general practitioners and specialists turn when they want definitive answers and results they can count on.

## NEURORADIOLOGY IMAGING SERVICES

- MRI of the brain and spine
- MR Angiography (MRA) of the head and neck
- CT of the brain and spine
- CT Angiography (CTA) 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
- Myelography
- Lumbar Puncture

## COMMON NEURO INDICATIONS

- Back pain
- Headache
- Stroke
- Dementia
- Cerebral aneurysm
- Head and neck vascular disease
- Head and neck tumor imaging
- Sinus disease
- Loss of vision or visual disturbance
- Hearing loss or tinnitus
- Weakness, numbness, or tingling
- Trauma

## Choosing an imaging modality for a suspected brain tumor

Concerns	MRI	CT
Radiation	No radiation	Various amounts of radiation exposure
Safety	Screening for contraindications (e.g. pacemakers, older aneurysm clips; a screening x-ray may be required)	No restrictions
Contrast	<b>Gadolinium</b> If renal function is poor or if patient is receiving dialysis, Nephrogenic Systemic Fibrosis (NSF) possible	<b>Iodinated contrast</b> Possibility of allergic reaction Renal function considerations; Creatinine levels may be needed
Negative predictive value	High	Moderate
Specificity	High	Moderate
Sensitivity	High	Moderate

## PHYSICIAN DECISION SUPPORT

We offer a guide to the cost-effective, efficient ordering of diagnostic imaging studies for relatively common clinical situations. This helps take the guesswork out of ordering studies and answers questions about many clinical situations. For your free booklet, please e-mail us at [info@wakerad.com](mailto:info@wakerad.com) with "UMP Guide" in the subject line.



When situations arise that are not included or that require individualized approaches, please feel free to consult our team for the most expedient workup strategy at 919-676-5090.



WR Express Scheduling: 919-232-4700 | Neuroimaging Physician Hotline: 919-676-5090

Wake Radiology provides imaging services for WakeMed Health & Hospitals, Maria Parham Medical Center, and other regional and community hospitals.

# WAKE RADIOLOGY Neuroradiology Services



Watch the online neuroradiology physician video:  
Headaches & Strokes: Underlying Issues  
[wakerad.com](http://wakerad.com): Neuroradiology: Videos



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[wakerad.com](http://wakerad.com)  
Neuroimaging Physician Hotline: 919-676-5090

Wake Radiology knows that correct diagnosis sets the stage for appropriate treatment, and physicians turn to us for everything from the most common indications to the most complicated cases. We offer neuroimaging at all of our WR outpatient imaging offices and provide a Neuroimaging Consultation Hotline for physician decision support. Our eight board-certified radiologists who specialize in neuroradiology combine over 150 years' experience with state-of-the-art imaging techniques of the brain and spine utilizing CT, MRI, and MR spectroscopy.

Each of our neuroradiologists has received extensive training in this highly complex subspecialty. Our goal is to help you 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 your patients' physical signs and symptoms.

The technology behind the tools we use is evolving at an astounding pace. As a result, many imaging modalities and techniques that were once limited to the research setting have been brought into clinical practice and are now available to you and your patients through the staff and services of Wake Radiology.

Our team of neuroradiologists is available for professional physician consultation and welcomes your calls. We can be reached at our Wake Radiology Neuroimaging Physician Hotline at 919-676-5090.

wakerad.com

EXPERIENCE

Wake Radiology's Neuroradiology specialists have over 150 years of combined experience in advanced neuroimaging. With expertise in all imaging modalities, Wake Radiology is where specialists turn when they want definitive answers and results they can count on.

DEDICATION

Wake Radiology's commitment to the physicians we serve is to combine medical science and advanced technology with expertise and experience to provide excellence in diagnostic imaging and neuroradiology while showing compassion to your patients. We welcome physician calls to our Wake Radiology Neuroimaging Physician Hotline at 919-676-5090.

EXPERTISE

Our radiologists are recruited from the finest medical universities and teaching hospitals in the country and bring with them expertise in the most recent advances in neuroimaging and many hold a Certificate of Added Qualifications (CAQ) in neuroradiology.

MEET OUR NEUROIMAGING SPECIALISTS

MICHAEL L. ROSS, MD

Neuroradiologist  
Co-director of Neuroradiology

Dr. Ross is board certified by the American Board of Radiology and joined Wake Radiology as a neuroradiologist in 1990. A native of Chicago, Dr. Ross received his medical degree from Northwestern University Medical School. He was chief resident in diagnostic radiology at Duke University Medical Center in Durham, where he also completed his fellowship in neuroradiology. Dr. Ross is a member of the American College of Radiology, the Radiological Society of North America, the American Society of Neuroradiology, the American Roentgen Ray Society, the Wake County and North Carolina Medical Societies.



PHILIP R. SABA, MD

Neuroradiologist  
Co-director of Neuroradiology

Dr. Saba, who joined Wake Radiology in 2001, is board certified by the American Board of Radiology and holds a Certificate of Added Qualifications (CAQ) in neuroradiology. After his residency in diagnostic radiology at The Mercy Hospital of Pittsburgh, he completed a two-year neuroradiology fellowship at The Barrow Neurological Institute in Phoenix, Arizona. By virtue of his training and qualifications, Dr. Saba holds senior member status in the American Society of Neuroradiology. Dr. Saba has had a lifelong interest in the brain and its function, and developed an interest in psychiatry during medical school at The University of Pittsburgh. After obtaining his MD, he completed three years of psychiatry residency at the University of Pittsburgh Medical Center, prior to his residency in radiology and subsequent fellowship in neuroradiology. All told, Dr. Saba spent nine years as a resident and fellow, studying neuroscience, general radiology, and neuroimaging.



BRYAN M. PETERS, MD

Neuroradiologist

Dr. Peters joined Wake Radiology in 1985 as a diagnostic radiologist and is certified by the American Board of Radiology. Special clinical interests include neuroradiology, ENT, and mammography. A native of Elizabeth City, NC, he holds a medical degree from Duke University Medical Center in Durham, where he served as chief resident in diagnostic radiology. His professional memberships include the American Roentgen Ray Society, the American College of Radiology, the Radiological Society of North America, the North Carolina Medical Society, and the Wake County Medical Society.



WILLIAM T. DJANG, MD

Neuroradiologist

Dr. Djang, a native of New York City, joined the Wake Radiology practice in 1988. He received his medical degree from Johns Hopkins University in Baltimore, Maryland, and served as chief resident in diagnostic radiology at Stanford University School of Medicine in Stanford, California, where he completed a fellowship in neuroradiology. He is board certified in diagnostic radiology by the American Board of Radiology. Dr. Djang is a senior member of the American Society of Neuroradiology and a member of the Radiological Society of North America.



JOHN SIERRA, MD

Neuroradiologist

Dr. Sierra, who joined our practice in 1990, is board certified by the American Board of Radiology and the National Board of Medical Examiners. A native of New York City, Dr. Sierra holds a medical degree from Cornell University Medical College in New York. He was a chief resident in diagnostic radiology at The New York Hospital, Cornell Medical Center, New York, where he also completed a fellowship in neuroradiology. He is a member of the American College of Radiology, the Radiological Society of North America, the American Society of Neuro-radiology, the American Medical Society, and the New York Roentgen Society.



JOSEPH B. CORNETT, MD

Neuroradiologist

Dr. Cornett, a native of Danville, VA, joined Wake Radiology in 1999. He received his medical degree from the University of Virginia School of Medicine in Charlottesville. After his internship in General Surgery at Roanoke Memorial Hospital in Roanoke, VA, Dr. Cornett completed his residency in diagnostic radiology at the University of Virginia Health Sciences Center. He then finished a two-year fellowship in neuroradiology at the University of Michigan Medical Center in Ann Arbor. Dr. Cornett is certified by the American Board of Radiology and holds a Certificate of Additional Qualification (CAQ) in neuroradiology. He is a senior member of the American Society of Neuroradiology and is a member of the Radiological Society of North America.



R. DAVID MINTZ, MD

Emergency Department Radiologist

Dr. Mintz is board certified by the American Board of Radiology and holds a Certificate of Added Qualifications (CAQ) in neuroradiology. He joined Wake Radiology in 2003 as a neuroradiologist and works as an emergency department radiologist at WakeMed. A native of Schenectady, NY, Dr. Mintz received his medical degree from the State University of New York at Stony Brook. He was a resident in diagnostic radiology at Jackson Memorial Hospital, University of Miami, FL. He completed a fellowship in neuroradiology at Tufts-New England Medical Center in Boston. Dr. Mintz is a member of the American College of Radiology, the American Society of Neuroradiology, the American Roentgen Ray Society, and the Radiological Society of North America.



MARK D. MARCHAND, MD

Neuroradiologist

Dr. Marchand, who joined Wake Radiology in 2008, is board certified in diagnostic radiology by the American Board of Radiology and holds a Certificate of Added Qualifications (CAQ) in neuroradiology. Dr. Marchand is a native of Houston, TX, and a graduate of Baylor College of Medicine in that city. He completed a residency in diagnostic radiology at the University of New Mexico in Albuquerque and a fellowship in neuroradiology at Duke University Medical Center in Durham. Dr. Marchand is a member of the American College of Radiology, American Society of Neuroradiology, and the American Roentgen Ray Society.

