



W. KENT DAVIS, MD
Neuroradiologist
Kent.davis@raleighrad.com

Dr. Davis is a Board Certified Diagnostic Radiologist with Certificate of Additional Qualifications in Neuroradiology.

Undergraduate: Duke University

Medical School: University of North Carolina at Chapel Hill

Residency and Fellowship: Duke University Medical Center

Internship: Union Memorial Hospital, Baltimore, MD



Dear Colleague,

RaleighRad Note strives to provide clear, concise summaries of current topics in diagnostic imaging. We hope it will assist you in choosing accurate, cost-effective imaging for your patients. Your confidence in our practice through referrals is always appreciated. Please feel free to call one of our physicians for consultation at any time.

*Thank you,
Cynthia S. Payne, MD*

RaleighRad Note is available on our website, www.raleighrad.com, along with practice information and helpful links for patients.

A Raleigh Radiology physician is available 24/7 at Rex Hospital.

Fixed Open Bore Espree MRI now available at the Blue Ridge Facility

In the fall of 2007, Raleigh Radiology brought the first high field strength, open bore MRI to the Triangle at our Cedarhurst office in North Raleigh. This 1.5 tesla Siemens Espree magnet was such an unqualified success that we are installing a second unit at our Blue Ridge office. This investment in high quality, state of the art imaging will improve accessibility to obese and claustrophobic patients due to its revolutionary open design. All of our patients will benefit from improved comfort, not only due to its openness but to its markedly quieter operation. Positive feedback from our Cedarhurst patients as well as referring doctors made the decision to make this upgrade of the Blue Ridge magnet an easy one.

The new Siemens MAGNETOM 1.5 T high field Open Bore Espree combines a design similar to that of a CT scanner with the fine resolution of high field strength MRI. This allows the magnet to successfully accommodate the needs of larger or claustrophobic patients while producing top-quality images. Old style open bore magnets are hampered by poor image quality due to low magnet strength. Raleigh Radiology is committed to high field strength MRI, which allows imaging of all body parts, in particular the areas that require highly detailed images.

Our new MRI features a 2.3-foot diameter bore and a very short magnet. At only 4 feet in length, the magnet allows more than 60% of exams to be completed with the patient's head outside the bore. Feet-first exams allow patients to see the exam room and communicate with medical staff at all times. When a head-first exam is necessary, patients can enjoy generous elbow and head room — nearly 1 foot of space between a patient's face and the magnet. The new magnet can accommodate large patients weighing up to 550 pounds.



Claustrophobic patients will no longer need an MRI performed with sedation. Open Bore MRI works better for children as well. Patient contact is also possible, permitting children to hold the hand of an accompanying parent for comfort and reassurance.

The Espree provides up to four times more signal-to-noise ratio over previous Open MRI designs, which is desirable in imaging larger patients. In addition, the Espree can perform advanced exams in less time because it combines strong gradient performance with Siemens' Tim technology. Tim is the first whole-body surface coil design that enables the highest resolution images in a shorter acquisition time. Tim coils are very light, making them both easy to position and tolerate when scanning larger patients.

Along with the new, state of the art magnet, patients will enjoy a totally new MRI suite, designed for patient comfort and privacy. The suite is conveniently located on the first floor at the Raleigh Radiology Blue Ridge office, allowing for easy access, improving the patient's experience and convenience. Our dedicated MRI staff will continue its exceptional level of care.

Our experience with our first open bore MRI led us to this recent upgrade. We have received numerous positive comments from our Cedarhurst MR. The following two testimonials are typical of our experience. One patient was extremely vocal when surveying her past experience because she considered herself "extremely claustrophobic." In fact, she had attempted three times to complete an MR at various Wake County facilities with oral sedation. She was unable to have a complete exam until she came to our Cedarhurst office. She quoted "There was an



unbelievable difference between the open bore MRI and my previous scans. The experience was actually okay. I was able to lie on the table and relax through the exam."

Another patient "never knew he was claustrophobic until he attempted a conventional MRI." He was unsuccessful at completing that MR, and was worked in for an Open Bore MR the same day. "It was a difference of night and day. I never realized I was claustrophobic until I was trying to lie still for the length of the exam for my back. I actually slept through my exam on the Open Bore MRI. I also liked that I was able to bend my knees during the exam."

The addition of an Open Bore MRI and new MRI suite at our Blue Ridge office is the latest example of Raleigh Radiology's continued commitment to state-of-the-art technology and our commitment to providing the best care for our patients and their referring doctors.

Raleigh Radiology continues its long standing commitment to quality improvement.

Our newest improvement is a second open bore high field strength magnet at Blue Ridge office

- **Highest quality, high field strength magnet**
- **Large opening for increased comfort for large and claustrophobic patients**
- **Patient friendly, quiet magnet**
- **Experienced MR staff in new MRI suite**

To schedule an Open Bore MRI call the Blue Ridge facility 781-1437 or the Cedarhurst facility at 877-5400.

Sub-specialized Radiologists

- Neil A. Ramquist, MDDiagnostic
- Donald G. Detweiler, MDDiagnostic
- W. Kent Davis, MDNeuroradiology
- Andrew B. Weber, MDVascular & Interventional
- Mark H. Knelson, MDVascular & Interventional
- Julia K. Taber, MDPediatric and Women's Imaging
- Gregory C. Hinn, MDMusculoskeletal
- Gregory A. Bortoff, MD, PhDAbdominal Imaging
- Jerry L. Watson, MDAbdominal Imaging
- Cynthia S. Payne, MDVascular & Interventional, Neuroradiology
- Tracey E. O'Connell, MDWomen's Imaging & Musculoskeletal
- Jennifer S. Van Vickle, MDAbdominal Imaging & Women's Imaging
- Gintaras E. Degesys, MDWomen's Imaging & Musculoskeletal
- Laura O. Thomas, MDAbdominal Imaging & Women's Imaging
- John G. Alley, Jr., MDNeuroradiology
- Todd J. Roth, MDAbdominal Imaging
- Steven R. Carter, MDMusculoskeletal
- Satish Mathan, MDVascular & Interventional
- Andrew G. Moran, MDNuclear Medicine & Abdominal Imaging
- Joshua B. Mitchell, MDMusculoskeletal
- Michael C. Hollingshead, MDNeuroradiology
- Jason R. Harris, MDVascular & Interventional
- Jeffrey Browne, MDMusculoskeletal

Raleigh Radiology locations

Blue Ridge

3200 Blue Ridge Rd, Ste 100
Raleigh, NC 27612
T 919-781-1437
F 919-787-4870

Clayton MRI

300 Guy Road, Suite 102
Raleigh, NC 27520
T 919-877-5400
F 919-877-5480

Cedarhurst

1212 Cedarhurst Drive
Raleigh, NC 27609
T 919-877-5400
F 919-877-5480

Wake Forest

839 Durham Rd, Unit A
Wake Forest, NC 27587
T 919-877-5400
F 919-877-5480

Cary

251 Keisler Drive, Suite 100
Cary, NC 27518
T 919-781-1437
F 919-787-4870

**Brier Creek location
Coming in 2009**

Breast Center

3900 Barrett Drive, Suite 100
Raleigh, NC 27609
T 919-781-1437
F 919-787-4870

Rex Hospital

4420 Lake Boone Trail
Raleigh, NC 27607
T 919-784-3023 24/7
F 919-784-3497
919-784-3419--Scheduling

