

High Field & Open MRI

502 429 6500

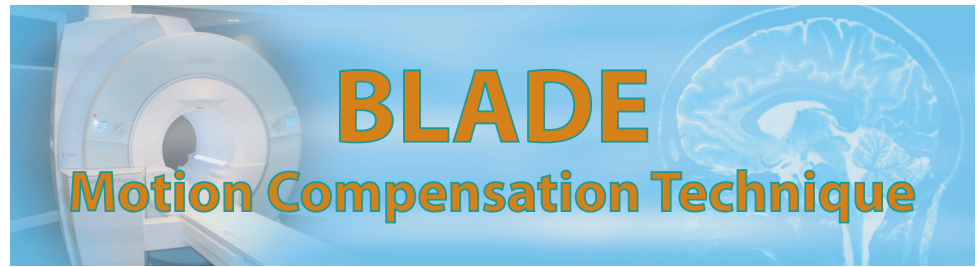
7807 Shelbyville Road
Louisville, KY 40222

5227 Dixie Highway
Louisville, KY 40216

HighFieldandOpenMRI.com

May 2011

THERE IS A DIFFERENCE!

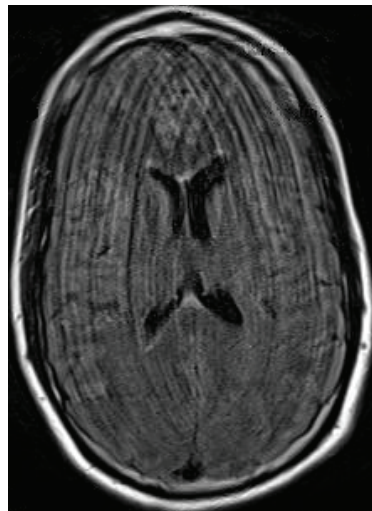


The Next Generation of MRI Is Here

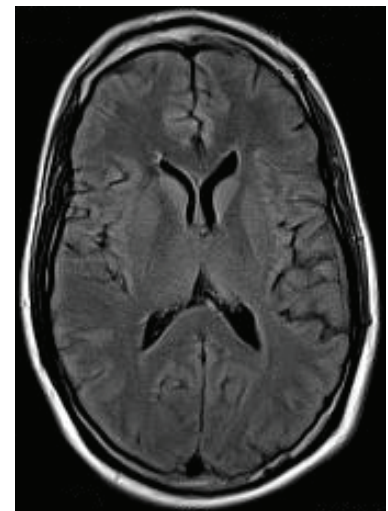
Patient motion has been one of the great limiting factors in providing consistent, high quality MRIs. Siemens Medical recognized this issue and developed BLADE, a new MRI motion compensation technique for state-of-the-art advanced 1.5T MRI. BLADE uses special algorithms and advanced pulse sequences to decrease or eliminate motion artifact. This lessens the MRI exam time and reduces stress on the patient, resulting in a far more pleasant experience.

The images below demonstrate the difference between MRI sequences performed on the same moving patient without and then with the BLADE motion compensation techniques.

Patient without BLADE
(Loss of detail due to motion artifact)



Same Patient with BLADE
(Excellent detail)



A simple way to understand motion artifact is to think of an MRI scanner like a camera taking a photograph with a very long exposure time. A single MRI sequence can last up to 4 minutes and is similar to having a camera's shutter open for the same length of time. Imagine trying to pose for a picture that long; any movement you make will cause a blurred image. The same effect happens with movement during an MRI scan.

MRI images are less degraded by motion than a photograph, but any motion during an MRI can cause images to lose resolution. The loss of resolution can result in subtle pathology being missed during image interpretation. The use of BLADE Motion Compensation not only eliminates obvious patient motion, but also ghosting artifact, respiratory motion, bowel motion, and pulsation artifacts.

Our radiologists are always available at **502 429 6500** to answer any questions.

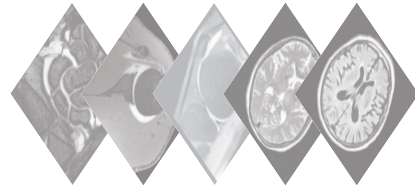
HIGH FIELD & OPEN MRI
Dedicated to Patient-Friendly Diagnostic Imaging

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Now Open 7 Days a Week



Our Siemens Espree
1.5T Open Bore MRI

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"The development of motion compensation sequences is truly a marvel of modern technology. High Field & Open MRI continually works to provide the highest quality 'Patient-Friendly Diagnostic Imaging.' The implementation of BLADE Motion Compensation Technique is just one more example of our ongoing commitment."

- Peter A. Rothschild, M.D.
Medical Director

Fast Track CT

"Just Walk In" at either of our convenient locations.

No Appointment Necessary!

Benefits of the BLADE Motion Compensation Technique:

Can eliminate sedation and the need for patients to return for repeat scans

Children can be scanned without sedation

Eliminates ghosting artifact, respiratory motion,
bowel motion, and pulsation artifacts

Decreases the number of repeated sequences
and therefore less table time for the patient

The High Field & Open MRI advantage:

Lower out-of-pocket expenses

No double billing for scans on the same body parts
(i.e. Brain/Orbits, Brain/IAC, etc.)

Enhanced services at no additional cost

Flexible Pricing for those patients experiencing financial hardship

Call **502 429 6500** to speak with one of our marketing representatives to learn more about the advantages of referring your patients to an independently owned and operated imaging center.

