

Open Bore MRI

Now you can relax throughout your examination without that “closed-in” feeling while enjoying more headroom, more legroom, and more elbowroom.





What's An Open Bore MRI?

An open bore MRI system differs from a traditional MRI by the size of the opening, or bore, in which the patient lies within a cylindrical magnet. This magnetic field, along with sound waves and a computer, create a detailed image of the patient's organs, tissues and bones. This aids physicians in the diagnosis and treatment options for the patient.

Good News for Memorial MRI Patients

If you find the traditional MRI opening too small for your comfort, we have good news. Memorial's open bore MRI is a spacious 2.3 feet in diameter; eliminating that feeling of "closeness" while accommodating a wider range of patient shapes, sizes (up to 550 pounds), and conditions.

In addition, the deep tunnel has been eliminated. This allows

many scans to be performed with your head outside the machine. Even with a brain scan, you can easily see out of the tunnel.

Faster and More Accurate

An MRI's magnetic strength is measured using a scientific standard unit called a "tesla." The higher the tesla rating, the better the image quality. Memorial's open bore MRI has a 1.5 tesla rating, 3 times greater than the conventional open MRI units. That power, combined with the latest advanced software for brain imaging and stroke diagnosis, means Memorial will continue to provide high resolution scans of the brain, spine, abdomen, breast and extremities, but now with fewer anxiety-related movements, and in less time.

Easy for You

No special preparation is needed for an MRI exam unless your doctor has given you special instructions. You will need to answer questions about your medical history for safety purposes.

- » Wear loose clothing without metal parts, such as zippers.
- » Remove all jewelry, glasses, hairpins, watches or wallets.

Precautions

Prior to the exam, tell the technician if you have any of the following:

- » Aneurysm clip(s)
- » Pacemaker
- » Neurostimulation system

- » Spinal cord stimulator
- » Implanted Cardioverter Defibrillator (ICD)
- » Electronic implant or device
- » Magnetically-activated implant or device
- » Cochlear implant or implanted hearing aid
- » Insulin or infusion pump
- » Implanted drug infusion device
- » Any type of prosthesis or implant
- » Any metallic or foreign body

What Happens During an Exam?

The technician will position you comfortably on a table that will then slide into the scanner. During the exam you will be asked to remain very still and relax. This is very important as any movement, even your jaw if you are talking, can cause the picture to blur. At times, the technician will ask you to hold your breath for a short time to ensure a clear picture.

While the machine is scanning, you will hear thumping sounds. Don't be alarmed, as these are normal. When the thumping stops, refrain from changing your position until instructed to do so by the technician. The procedure repeats several times during the exam, which takes only 15 to 30 minutes.

How Will I Learn the Results?

The radiologist will study your examination and give the results to your doctor. Your doctor will explain what they mean in relation to your health.

The Health & You segment entitled "Open Bore MRI" was presented by Mike West, Director of Diagnostic Imaging at Memorial. For information call (228) **867-5000**.



Portions of this information were found at:
<http://www.raleighrad.com/open-bore-mri>
http://www.medical.siemens.com/siemens/en_GB/gg_mr_FBAs/files/MAGNETOM_World/MAGNETOM_Marketing_Tool_Kit/Espree_Pat_Flyer_en.pdf
<http://www.gulfportmemorial.com>

The information provided is not meant to diagnose or treat possible health problems. Consult your healthcare provider if you have any questions or concerns about Open Bore MRI.



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