Volume 1, Issue 2

Fall 2005

Open MRI, LLC.

HIGH FIELD & OPEN MRI

High Field & Open MRI Adds Multi-slice CT

High Field & Open MRI has acquired a breakthrough computed tomography (CT) scanner that provides detailed images of the human body. This advanced technology not only means greater diagnostic information for doctors, but its speed can also save precious exam time and minimize x-ray exposure.

The LightSpeed® Ultra CT scanner manufactured by GE Medical Systems allows simultaneous capture of multiple images of a patient's anatomy in a matter of seconds.

CT exams are used when people are ill or injured, or when a doctor suspects a medical problem that is not easily detectable from a normal physical examination. The LightSpeed Ultra CT scanner non-invasively assists physicians in the diagnosis of a variety of anatomical areas, including spine, head, abdomen and chest.

GE LightSpeed® Multi-Slice CT Scanner

Originally developed in the 1970s, CT or "CAT" scans combine the power of X-ray technology and computers, allowing doctors the ability to view wafer-thin cross-sections of internal anatomy without the need for surgery.

The addition of the LightSpeed Ultra CT compliments and extends the high quality diagnostic services that High Field & Open MRI offers the residents of Kentuckiana.

For more information about CT and MRI services or scheduling, please contact us at **(502)-429-6500**.

Did you know

High Field & Open MRI performs MR Arthrography?

See page 3 for more information

Spotlight on Our Schedulers: Cheri and Lori

In an effort to familiarize our referring practices with our facilities and our staff, the following is an interview with two extremely valuable members of our team.

High Field & Open MRI currently has two full-time schedulers; Cheri and Lori. Cheri, having been with the company 6 years, and Lori, a 4-year veteran, offer a great deal of experience and enthusiasm to the team. Following is a recent interview with these two very special ladies.

Q: What do you like best about working at High Field & Open MRI?

Cheri: I like that it is a small company and we all seem like family. I also enjoy interacting with all the people in our referring offices.

Lori: Helping people, both the doctors' offices and the patients.

Left to right: Lori Adams & Cheri Thomas

Q: What is the biggest change you have seen take place since you started here?

Cheri: The biggest change is how we've grown and added services.

Lori: The growth, especially new scanners like the CT. I like working in a fast pace environment.

Q: What can be done to make it easier for the doctor's office to schedule?

Cheri: Let us do the work. If the referring office will fax us the patient information, we will call the patient to schedule. When the doctor's office schedules the exam, we sometimes have to reschedule a patient several times, which puts a lot of extra work on the referring doctor's office.

If the referring doctor wants, we will fax back to let you know when the patient is scheduled. This could also prove more efficient for our referring offices.

Lori: It would be very helpful to have multiple phone numbers for patients, such as their work & cell numbers in addition to their home number.

Q: What do you like to do in your spare time?

Cheri: I like to work in my yard and visit with my grandchildren. I especially love to visit and play with my grandchildren.

Lori: Dancing is my passion. I love to dance and travel. I also like to spend time with my family.

Q: What suggestions do you have for those scheduling exams with us?

Cheri: Have all the information ready when they call, such as insurance card info, what exactly their doctor wants to know, procedure, with or without contrast, and all patient phone numbers. Our goal is to make the scheduling call as smooth and brief as possible for the referring office staff because we know they have many other tasks to attend to.

Lori: Also for work comp and motor vehicle accidents it is important to have a claim number, contact person name and number, and the date of injury. Again, having multiple phone numbers for all patients is very helpful.

The staff at **High Field & Open MRI** encourages anyone with questions or concerns to call us or visit one of our two conveniently located centers. Your visits, phone calls and questions are always welcome.

Advanced Orthopedic Imaging: MR Arthrography

The past two decades have seen dramatic improvements in the quality of orthopedic MRI. MRI is now routinely used to make precise diagnoses following injuries, which allow specific treatment plans and prognosis to be formulated. Surgical intervention can be offered to the patient early when appropriate, and conservative therapy can be tailored to the precise pathologic injury. There are, however, subsets of orthopedic injuries which are still somewhat difficult to diagnose on conventional orthopedic MRI.

Direct MR Arthrography, which involves the injection of dilute gadolinium directly into the joint space, can be very useful for evaluating certain pathologic conditions in the joints. Although this turns a noninvasive exam into a minimally invasive exam (due to intra-articular needle placement), in many situations the additional information gathered from MR Arthrography far outweighs the minimal additional risk and cost.

In the shoulder, MR Arthrography is useful in diagnosing partial thickness rotator cuff tears, particularly along the articular surface. However, in the shoulder, MR Arthrography's big benefit is for the evaluation of suspected labral tears. There are multiple variants in the normal labral anatomy, which make diagnosis of labral tears based on morphologic criteria difficult. However, when a tear fills with injected contrast, the diagnosis is much simpler. Superior labral tears at the junction of the bicipital tendon and labral avulsions are much more easily diagnosed on MR Arthrography.

In the elbow, MR Arthrography is very useful for diagnosing complete and partial thickness tears of the ulnar and radial collateral ligaments. In addition, loose bodies, symptomatic synovial folds, and subtle osteochondral injuries are more easily seen with MR Arthrography.

In the wrist, MR Arthrography combines the advantage of arthrographic depiction of anatomic perforation, with direct visualization of the soft tissues of the wrist, including the marrow, cartilage, and ligaments. Lunotriquetral and scapholunated ligament tears can be both diagnosed and characterized with MR Arthrography. In addition, the sensitivity and specificity for detecting triangular fibrocartilage tears and perforations is increased with MR Arthrography.

In the knee, MR Arthrography is used predominantly to evaluate residual or recurrent meniscal tears following meniscal surgery. In these patients, signal abnormality may be seen in conventional MR imaging extending to a meniscal surface. Differentiating postoperative signal abnormality abutting a surface from a recurrent or residual tear is difficult without MR Arthrography. MR Arthrography increases the accuracy for the diagnosis of recurrent or residual meniscal tear from near 70% on conventional MR imaging to near 90% with MR Arthrography. Less common indications for MR Arthrography of the knee include suspected loose bodies, synovial plicae, and the evaluation of the stability of osteochondral lesions.

MR Arthrography is also being used for the evaluation of certain ankle disorders. Ligamentous injuries, particularly of the lateral collateral ligament complex, are better demonstrated on MR Arthrography than conventional MR imaging. MR Arthrography can often help guide the decision for surgical repair, especially for patients with grade-3 sprains, high-level athletes, and patients with chronic pain and instability. MR Arthrography can also be useful for demonstrating the various ankle impingement syndromes, especially if the clinical diagnosis is confusing. Osteochondral injuries and intraarticular osteochondral bodies are also more easily diagnosed with MR Arthrography.

In certain patients, MR Arthrography can provide valuable additional information to allow precise development of a treatment plan. MR Arthrography is available at both High Field & Open MRI imaging locations. MR Arthrography can be performed on both our high-field strength and open MRI scanners.

HIGH FIELD & OPEN MRI

Dedicated to Patient-Friendly Diagnostic Imaging

Radiology Director is Peter A. Rothschild, M.D.

Editor of the first Open MRI Text Book

To schedule an appointment:

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HIGH FIELD & OPEN MRI

wants to hear from you. Please make any comments, suggestions, or recommendations on how we can better serve you.

Detach and fax suggestions to (502) 429-0770