



# The GE Healthcare MR Masters Series Helps Clinicians Achieve Maximum Results

Ongoing advances in GE Healthcare MR imaging technology continually increase the capabilities of GE MR products. Faster computers, more advanced protocols and magnet upgrades allow unprecedented imaging techniques. With proper training in these latest applications and software, a site will be able to draw on the full potential of its MR scanner. As a result, GE pioneered the creation of specialized education to enable physicians to fully utilize their MR equipment.

A unique offering of GE Healthcare, the MR Masters Series is designed to give physicians an avenue to learn about the latest MR techniques — techniques that can help them to deliver better patient care while maximizing productivity.

## Learn with Experts

At a network of GE MR training centers located throughout the United States, some of the world's top radiologists train physicians from around the globe on how to maximize the clinical benefits of the most advanced MR techniques.

Offered throughout the year, each MR Masters Series course is taught by a renowned radiologist who has mastered specific procedures that maximize a particular MR application. After participating in a MR Masters Series course, physicians will be fully equipped with the knowledge and skills needed to utilize new applications in their own facilities. Attend three GE MR Masters Series courses and receive certification of your accomplishment. The GE MR Masters Series is fully accredited for CME credits.

See the next page for a summary of this year's MR Masters Series courses.

## 2006 Masters Course Overview

### Physics and Clinical Applications

With William G. Bradley, MD., Ph.D., FACR, San Diego, CA

Attendees will understand the physics behind MRI, when gradient echo, conventional spin echo, fast spin echo (FSE) and echo planar imaging (EPI) should be used, the major applications of MRI and know when MRI is preferred to CT.

### Understanding and Applying Clinical MR Physics

With Emanuel Kanal, M.D., FACR, Pittsburgh, PA

This five-day course is designed to give the attendee a deeper understanding of the basic physics and contrast mechanisms underlying the MR imaging process and how to apply them to a busy clinical practice. It also provides a thorough overview of MR angiography, diffusion weighted imaging, perfusion weighted imaging, parallel, multichannel imaging, such as ASSET techniques and literally dozens of other clinical imaging techniques and parameters.

### Breast MR Imaging

With Constance D. Lehman, M.D., Ph.D., Seattle, WA

This comprehensive, practical and interactive 1-day course is devoted to breast MRI and includes lectures on the technical aspects of performing breast MRI with VIBRANT™, clinical indications for breast MRI, practical guidelines for interpretation of breast MRI and hands-on training interpreting clinical breast MR cases.

### Beyond MRI: MR Spectroscopy for the New Millennium

With Dr. Brian Ross, M.D. and Alexander Lin BS, Pasadena, CA

This course provides fundamental information necessary to use and interpret MRS and includes diagnostic examples that describe the clinical utility of MRS and its impact on patients.

### Advanced High Field MR Practicum: 3.0T – 1.5T

With Lawrence N Tanenbaum MD FACR

This course will cover essentials and advanced diffusion imaging at 3.0T and 1.5T; mastering FSE; optimizing MR scanning with ASSET, PROPELLER HD and TRICKS; clinical spectroscopy; core protocol design for neuro, MSK and body; basic principles, applications of MRA; new MRA techniques; MR contrast agents and issues in neuroimaging at 3.0T and 1.5T; MR of the spine; image processing and display; scanning on the Signa interface; and managing an advanced imaging practice.

### Clinical fMRI at 1.5T and 3.0T

With Keith Thulborn, M.D., Ph.D., Chicago, IL

This two-day course provides integrated didactic lectures and hands-on training for brain imaging on the 1.5T and 3.0T Signa LX scanners. Emphasis is on functional imaging protocols using diffusion and blood oxygenation level dependent (BOLD) contrast. Conventional anatomic and angiographic sequences at both field strengths will be compared in clinical application.

### Cardiovascular MRI

With Steven D. Wolff, M.D., Ph.D.

Course Co-Director Cindy R. Comeau, BS, RT (N) (MRI)

This three-day weekend workshop focuses on cardiac MRI and vascular MRA with didactic lectures, small group tutorials, case reviews and hands-on time to scan human volunteers.

### Musculoskeletal Imaging – Applications, Techniques and Interpretation with Emphasis on Joint Imaging

With Michael Zlatkin, M.D., Timothy Sanders, M.D. and Paul Clifford, M.D.

This two-day short but comprehensive course will cover MR Arthrography, injection techniques, application and interpretation of joints. It includes overviews on MR techniques for coils, pulse sequences/parameters and for certain anatomy imaging such as wrist and ankle and foot. Protocols for MR Arthrography, Meniscal Disorders as well as a variety of body parts – from rotator cuff to the hip – plus a special focus on bone and soft tissue tumors is covered as well. ■

For complete faculty biographies, course description, location and dates for 2006, please visit the GE Healthcare website at: [www.gehealthcare.com/usen/mr/education/products/physiciantrain.html](http://www.gehealthcare.com/usen/mr/education/products/physiciantrain.html)