

Radiology and Medical Imaging

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Summer 2012

CCHMC Radiology Department —

Under Construction

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MR Scanner Replaced with Digital Technology

As healthcare rapidly changes around the world, so do the requirements for MR scanning. In addition to performing the most common procedures better and faster, there is a growing need for patient comfort, newer techniques, oncology applications and whole-body imaging. More specialized services and faster delivery are the name of the game.



How do you keep pace with these changes, now and in the future?

Cincinnati Children's Hospital understands the needs of your patients, as well as the challenges you face every day. We draw on this knowledge to develop more intuitive, more efficient, more affordable, and more advanced imaging solutions to help you deliver the best healthcare possible. CCHMC is the first in the region to install the latest MRI scanner with a fully digital platform. With the addition of the state-of-the-art Philips Ingenia 1.5T magnet, the first digital broadband MR scanner, our MR portfolio now features a higher level of innovative solutions to elevate clinical performance, to accelerate patient management and to improve economic value.

Our new Philips scanner is designed with patients in mind.

Developed for a wide diversity of patients with different ages, sizes and physical conditions, the Ingenia 1.5T has features that will put your patients at ease:

- ◇ 70 cm wide bore provides more open space and helps to reduce anxiety.
- ◇ Digital coil design greatly reduces coil weights and leads to less patient discomfort and repositioning in many exams. Patient comfort is our top priority.
- ◇ The ambient light ring on the magnet façade and adjustable, in-bore lighting enhance the openness of the system.
- ◇ Patient-perceived gradient acoustic noise is reduced by more than 80%.

Our MR Department is committed to providing your patients with high quality scans, using state of the art equipment, while placing top priority on patient comfort.

NEW FLUOROSCOPY EQUIPMENT—LOWER DOSE EXAMS

The Burnet (Main) Campus Radiography is excited to announce that we are in the process of replacing all three of our fluoroscopy rooms. We are installing the Philips Eleva Easy Diagnost, a highly customizable fluoroscopic system. Our Clinical Imaging Physicist, Keith Strauss, with the assistance of Philips Medical Systems, will establish protocols to provide the best quality imaging, while substantially reducing radiation dose to our patients and employees. In addition, we are adding Perkins recording devices that will allow for increased functionality on swallowing studies. Our Fluoroscopic resources will be limited from the usual three rooms to two until late October as we replace these units one at a time. During this time we are requesting that our Kentucky and Liberty locations be utilized as much as possible to limit delays to our patients. We appreciate your patience as we work to improve the service and safety we provide to your patients.



Cut-n-Post



Radiation Dose 411

There has been considerable coverage in the news recently about the effects of medical radiation on patient health. Information about radiation dose and your patient's procedure can be found on the *Image Gently*® website, www.imagegently.org. Click on the "Parent" tab.

The Image Gently website contains the following reference materials:

- ◆ *A letter for parents from the Alliance of Radiation Safety in Pediatric Imaging*
- ◆ *Informational brochures about medical radiation:*
 - ◇ *What parents should know about CT Scans for Children*
 - ◇ *Fluoroscopy—Contrast Enema*
 - ◇ *Fluoroscopy—UGI and UGI with Small Bowel Follow Through*
 - ◇ *Fluoroscopy—Voiding Cystourethrogram (VCUG)*
 - ◇ *Interventional Procedures*
 - ◇ *Nuclear Medicine*

