

Department of Radiology



George Taylor, MD



Richard Robertson, Jr., MD



Caroline Robson, MB, ChB



Kirsten Ecklund, MD

Chairman: George Taylor, MD

Clinical Radiologist-in-Chief: Richard Robertson, Jr., MD

Executive Vice-Chair: Caroline Robson, MB, ChB

Vice-Chair: Kirsten Ecklund, MD



Carol Barnewolt, MD



Michael Callahan, MD



Jeanne Chow, MD



Judy Estroff, MD



Paul Kleinman, MD



Edward Lee, MD, MPH



Laureen Sena, MD



S. Ted Treves, MD



Stephan Voss, MD, PhD

Imaging by service

CT: Michael Callahan, MD

Diagnostic Radiology: Kirsten Ecklund, MD

Interventional Radiology: Richard Robertson, Jr., MD

MRI: Caroline Robson, MB, ChB

Nuclear Medicine/PET: S. Ted Treves, MD

Ultrasound: Carol Barnewolt, MD

Imaging by organ system

Cardiac: Laureen Sena, MD

Fetal and Neonatal: Judy Estroff, MD

Gastrointestinal/Abdominal: Michael Callahan, MD

Genitourinary: Jeanne Chow, MD

Head and Neck: Caroline Robson, MB, ChB

Musculoskeletal: Paul Kleinman, MD

Neuroradiology: Richard Robertson, Jr., MD

Oncologic: Stephan Voss, MD, PhD

Pulmonary: Edward Lee, MD, MPH



Patients can watch movies on special video goggles during their MR scans.

Services by location

	Boston	Lexington	Waltham
CT	✓		✓
Fluoroscopy	✓	✓	✓
Interventional Radiology	✓		
MRI	✓		✓
Nuclear Medicine	✓		✓
PET	✓		
Ultrasound	✓	✓	✓
X-ray (plain film)	✓	✓	✓

To make an appointment, please contact the center most convenient for the study needed.

Children's Hospital Boston

300 Longwood Avenue, Main 2
Boston, MA 02115

Main: 617-355-6286

CT: 617-355-6310

Fluoroscopy: 617-355-6292

Interventional Radiology: 617-355-6579

MRI: 617-355-6300 or 6400

Nuclear Medicine: 617-355-7010

Ultrasound: 617-355-7840

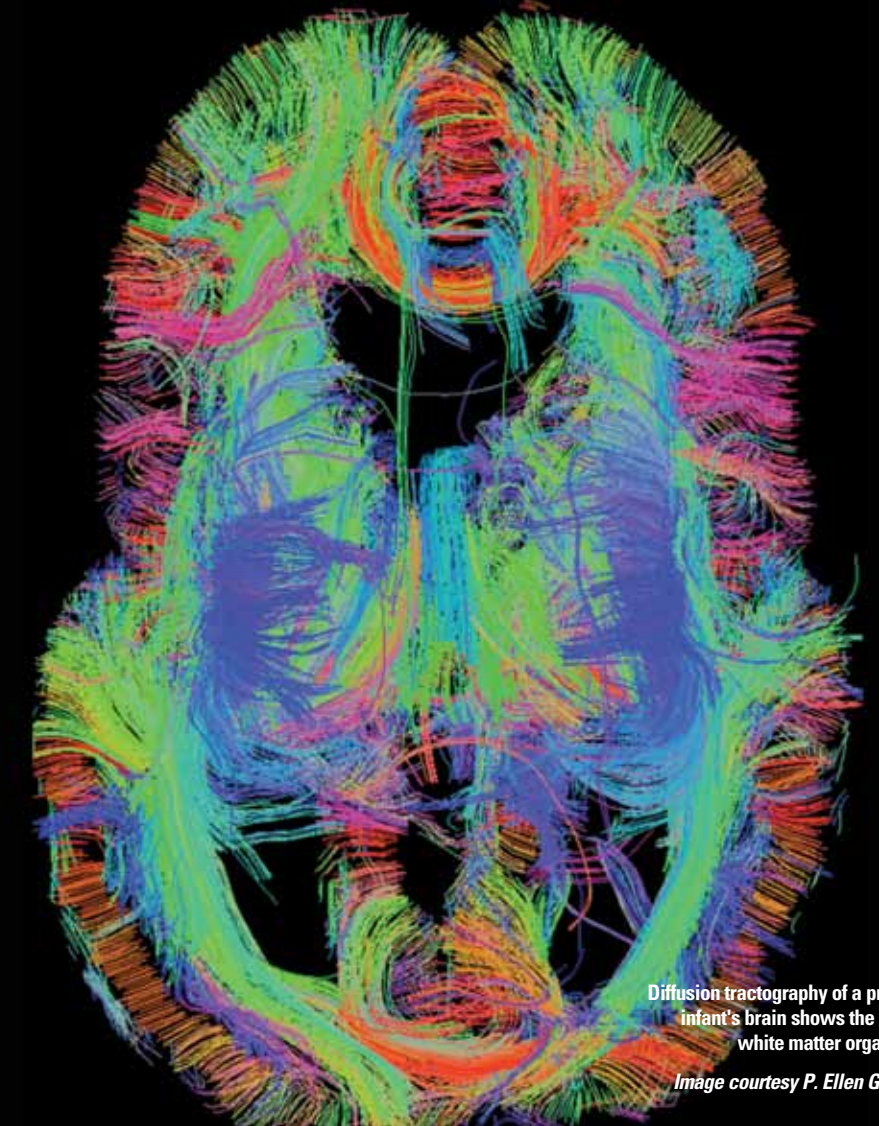
X-ray: 617-355-6286

Children's Hospital Boston at Lexington

482 Bedford Street
Lexington, MA 02420
781-672-2100

Children's Hospital Boston at Waltham

9 Hope Avenue
Waltham, MA 02453
781-216-1100



Diffusion tractography of a premature infant's brain shows the complex white matter organization.

Image courtesy P. Ellen Grant, MD

Radiology Imaging Services



Children's Hospital Boston

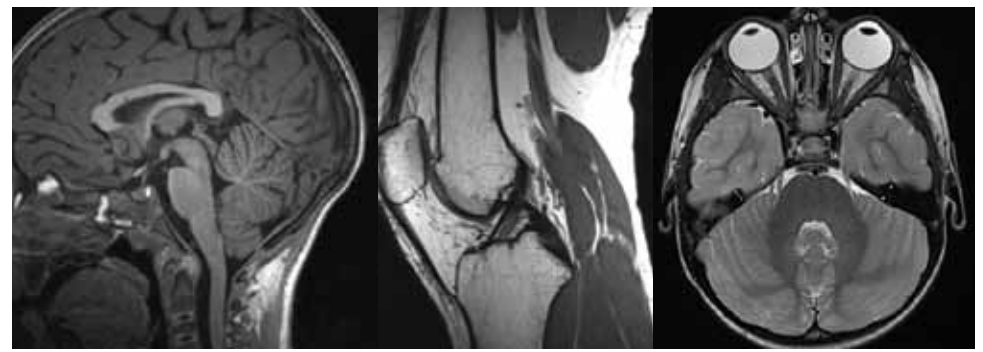
childrenshospital.org/radiology



Choose Children's:
quality, safety
and convenience

Why Children's Hospital Boston?

Imaging children poses unique challenges. It can be hard for kids to hold still for an X-ray or they may be afraid of the noise of an MRI. Adult-centered practices may not have the necessary tools to fully meet the needs of pediatric patients. As one of the country's oldest and largest groups of pediatric imaging specialists, the Radiology Department at Children's is uniquely suited to meeting the imaging needs of children and their doctors.



Unsurpassed clinical care

Our board-certified physicians and pediatric nurses, technologists and support staff are experts at obtaining timely and accurate diagnoses while providing a safe and comfortable experience for patients of all ages.

Innovative technology

We have the most sophisticated clinical imaging equipment available and are constantly developing and investing in breakthrough technology. All of our equipment is specially designed or adapted for pediatric use, meaning that it maximizes children's comfort and safety.

Focus on safety

We have adapted our equipment and protocols to keep radiation exposure as low as reasonably achievable (the ALARA standard) during CT scans and other procedures. Often, adult-centered practices don't use dose-reduction techniques when scanning kids, whose rapidly dividing cells are more susceptible to damage. In some cases, we can avoid radiation altogether by using ultrasound or MRI.

Pediatric sedation and anesthesia

Our staff is very skilled at helping young children stay motionless for imaging studies, employing age-appropriate distraction techniques that include video goggles, music, lighting, and our MR simulator. When sedation or anesthesia is necessary, it is administered by a team of experienced pediatric sedation nurses and anesthesiologists.

Try without

We routinely offer children ages 5-7 the chance to try undergoing their MRIs without sedation after a pilot program showed that most of them can do so successfully with proper preparation and distraction. The program has since been expanded to include some 4-year-olds.

Organ-based interpretation

Our unique organ-system approach to pediatric radiology means that radiologists who subspecialize in the disease or organ system under investigation will interpret the studies, regardless of the imaging technology used.

The Children's advantage

Imaging Services

- CT
- Fluoroscopy
- Interventional Radiology
- MRI
- Nuclear Medicine/PET
- Ultrasound
- X-ray

Quality

- Board-certified pediatric radiologists, nuclear medicine physicians, anesthesiologists and sedation nurses
- Experienced, pediatric-focused staff including technologists, nurses and child life specialists

Comfort

- Pediatric sedation and anesthesia as needed
- Child life specialists to help comfort patients prior to and during exams
- Soothing, kid-friendly environment
- Distraction techniques that include music, video goggles, lighting, ceiling mosaics and mobiles

Convenience

- Results reported within 24 hours in most cases via the electronic medical record (EMR), fax or e-mail
- Appointments for most imaging services can be obtained within two days
- Extended evening and weekend hours in Boston and Waltham
- Easy access and free parking in Lexington and Waltham

Safety

- Compliance with Image GentlySM guidelines to minimize children's exposure to radiation
- Two faculty members on the steering committee for the Alliance for Radiation Safety in Pediatric Imaging (imagegently.org)
- Certified medical physicists
- Skilled staff who employ age-appropriate distraction techniques so that sedation can often be avoided
- More information is available at childrenshospital.org/radsafety

