



Kids are different.

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SIEMENS



Kids Are Different

**Ten fingers, ten toes.
Two eyes and one nose.**

**They may have the
same features you do,
but ask any radiologist...**

Kids are different.





Anatomically, physiologically, behaviorally... your pediatric patients are not small adults. Their heart and respiratory rates are faster, their still-developing organs are more sensitive, and their active bodies are harder to keep still.

Whether or not you have a dedicated pediatric program, you see children. They come for testing or routine exams and they come through your ER. Imaging these young patients might be one of the most challenging aspects of your day—and yet, it doesn't have to be.

The best pediatric care comes from innovations that enable:

- the **highest image quality**
- the **lowest possible dose**
- the ability to **reduce or eliminate sedation**
- the most advanced technology, **designed with children's needs in mind**

At Siemens Healthcare, it's our mission to advance human health, one life at a time, providing you with the most extensive portfolio of technology for imaging your young patients.

“Siemens’ charitable efforts for the health and welfare of children are extraordinary and deeply appreciated.”

Irwin Redlener, MD
President and Co-founder
Children's Health Fund

How can we extend
their wonder?





Give them more days to explore.

The actions we take today can have a profound, cumulative impact on children's health for years to come.

Like you, our primary concern is patient care. That's why we offer breakthroughs such as:

- an innovative flash-speed CT system, which delivers amazingly clear **images at less than 1 millisievert of dose**
- pediatric CT protocols that enable **up to 50% dose savings** providing individual adaptation of the patient dose for pediatrics
- **CARE (Combined Applications to Reduce Exposure)**; available across nearly all of our imaging systems, including our leading PET-CT and SPECT-CT technology

As an industry leader, we have developed and will continue to develop innovations that follow the "As Low as Reasonably Achievable" principle. We are also actively involved in many leading children's radiology associations. Through our partnership with these organizations and customers like you, we make superb image quality at a low dose a reality.

"It is essential to employ a CT scanner that can not only ensure some dose reduction, but can also provide one of the fastest scan speeds, while still maintaining optimal imaging performance."

Marilyn J. Siegel, MD
Division of Diagnostic Radiology
Professor of Radiology and Pediatrics
St. Louis Children's Hospital

When do Jack and Jill sit still?





They don't.

Children's bodies are wired for movement; everything about them is fast. Blood flow, pulse, and respiratory rates in children are considerably faster than adults.

Until recently, the only answer to imaging a young or active child was sedation. But sedating a child takes a significant toll on your staff, your patients, and their families. It requires more staff and time, and raises patient risks and parental anxiety.

Our answer:

- **Reduce or even eliminate sedation** with split-second CT scanning technology that doesn't require sedation or breath holds.
- **Reduce anxiety and speed exams** with open-bore MRI systems and lightweight, flexible coils that better fit small bodies.*
- **Reduce artifacts and retakes** with adaptive, motion-correction technologies and specific pediatric protocols.

**“It definitely reduces [unnecessary] exposure.”
And because the equipment can hone in on a
particular area of the body with remarkable
accuracy, “we’re able to reduce additional
scans.”**

Jan Leggett, RTNM, Supervisor
Department of Nuclear Medicine
British Columbia Children's Hospital

* The safety of imaging infants under two years of age has not been established.

**How can you make
her experience—and
your results—better?**





By using technology designed with her in mind.

She can't walk easily in her parents' shoes any more than you can easily imagine her in a system designed only for her parents.

Technology designed with children in mind leads to better imaging and better clinical information, which reduce the expense and time of rescheduling patients, improve your staff's workflow and satisfaction, and offer your patients and their families a better experience. It means, for example, creating:

- A portable X-ray system with a small, **less intimidating** footprint and **easy mobility** to reduce patient repositioning.
- A digital radiography system that combines **superior imaging** with an **exceptionally low table height**, making it easier than ever to image children.
- State-of-the-art interventional technology with **dedicated pediatric applications** that offer better patient care and improve your workflow.

These are the kinds of innovations Siemens is spearheading every day.

“Our experience with Siemens has been very positive. We had fantastic application specialists who worked with us to optimize our protocols. It makes a huge difference to work with applications people who actually know how to scan children.”

Cynthia Rigsby, MD, Vice Chair
Department of Medical Imaging,
Children's Memorial Hospital

What do kids need?



To be kids.

Our pediatric imaging solutions rely on a foundation of extraordinary experience and technological ingenuity. That is why all 10 of *Parents* magazine's 10 Best Children's Hospitals¹ use Siemens technology. We've created:

- the first Open-bore MRI systems
- PET technology with uniform resolution throughout the entire field of view
- a revolutionary C-arm gantry for interventional radiology

We don't just stop at award-winning technology. We also support you with:

- dedicated **onsite and web-based training**
- clinical **pediatric applications and protocols**
- education specialists with **specific pediatric expertise**
- **remote image viewing** capabilities*
- affordable, proactive remote and off-peak-hours **service options**
- **financing solutions** designed to help you expand your services

At Siemens, we combine our excellence in engineering with the support you need to effectively, efficiently get your patients back to what they do best—being kids.

Learn more at
www.usa.siemens.com/KidsAreDifferent

¹ Cicero K. 10 Best Children's Hospitals. *Parents*. February 2009.

*Internet connection required.

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