Fujifilm Pediatric Solutions
Enterprise Imaging Portfolio

Unique solutions for the world’s most unique patients
Five Unique Pediatric Benefits

Pediatric patients deserve unique pediatric care. That’s why our focus is on sharper images and gentler dose—as well as everything you need to present and protect your data.

Specialized Presentation
- **Improve** patient care with automated study and image notifications, acquiring only the images needed and reducing retakes.
- **Empower** radiologists and technologists to save time through simultaneous, real-time image collaboration and chat.
- **Develop** the design and enable surgeons to plan pre-operatively—long before the child’s procedure.

Improved Workflow
- **Access** the child’s holistic imaging record across the health network with a seamless global worklist.
- **Utilize** interruption workflows to enable autosaving of exams and snapshot features and easily create and access interesting case collections.
- **Facilitate** real-time image collaboration with physicians, parents, and specialists.

Trusted Protection
- **Present** the entire imaging record securely through the EHR with a single enterprise viewer.
- **Anonymize** and segregate sensitive data for specific storage requirements.
- **Secure** all patient images and information centrally in the data center.

Proven Comfort and Safety
- **Ensure gentle dose** without sacrificing image quality.
- **Help improve infection control** with exclusive antibacterial coating.*
- **Speed up exams and reduce the potential for retakes** with single-exposure, long-length detectors.

Advanced Precision
- **Improve diagnostic certainty** with enhanced image clarity, sharpness, and contrast.
- **Suppress noise in images without losing sharpness and detail** with advanced noise reduction circuitry.
- **Deliver images with as much as 20% greater dose efficiency** than traditional detectors with patented ISS technology.

*Reduction in colonization or bacterial growth on the device has not been shown to correlate with a reduction in infections in patients. Clinical studies to evaluate reduction in infection have not been performed.

Presentation. Workflow. Protection. Safety. Precision. It’s everything you expect in a pediatric enterprise imaging platform, and exactly what we provide.
Synapse® 5 PACS provides automated study, image notifications, and advanced communication tools that enhance collaboration and improve care for your smallest patients.

Proven Pediatric Performance

**Specialized Presentation**

- **Receive automatic notifications** when new images are available for open and phased studies. While the child is sedated and the CT or MR is being performed, radiologists can view images—and receive notifications when additional images have been acquired and are available—all while the case is occurring. These better tools for communication and image preview may reduce the length of time required to keep the child sedated during image acquisition.

- **Access the child’s holistic imaging record** across the health network with an intuitive, configurable, seamless global worklist.

- **Quickly open images** in a secondary viewer without interrupting the current display.

**Improved Workflow**

- **Take advantage of flexible worklists** that can be custom-made for pediatric workflow. Sites can choose the content that populates their customized worklists.

- **Employ a worklist “image thumbnails” view** to see when a new series arrives for any study on the list. Use “series thumbnails” to open images in a secondary viewer for interruption workflow or to reference a matching study—for example, a study that was placed in an “interesting cases” collections folder.

- **Implement a configurable workflow** that keeps studies off the radiologist’s worklist until the technologist verifies image quality and completion.

**Trusted Protection**

- **Safeguard protected health information (PHI)** with server-based image-rendering architecture.

- **Simplify access to studies** for any authorized user with a scalable design that doesn’t require downloading software to a workstation. Users can go to any workstation, open a browser, and open a select study to ensure patient care remains uninterrupted.
Synapse® VNA offers best-in-class storage protection and advanced lifecycle-management tools that allow physicians to save time and reference pediatric cases quickly and securely.

**Proven Pediatric Performance**

**Specialized Presentation**

- **Capture, organize, and manage data** to safeguard images from the most delicate and sensitive clinical cases.
- **Present the entire imaging record** intelligently and securely with comprehensive data management—whether the data is sourced from within the hospital or transferred from outside facilities.

**Improved Workflow**

- **Streamline patient workflow** and reduce errors by capturing all the clinical data at the point of service through clinical connectors that leverage the patient’s EHR information.
- **Capture a series** of images on mobile devices and upload in chronological order to the patient’s record for specialty use cases (plastic surgery, dermatology, burn, and more).
- **Provide one-click access** to studies in the VNA, giving clinicians the entire imaging record through the enterprise viewer.

**Trusted Protection**

- **Promote system-wide storage** of all clinical data in the secure data center with easy-to-use VNA tools.
- **Organize data for specific storage needs**, active research, and teaching moments with best-in-class protection.
- **Manage the lifecycle of the images** stored in the VNA to remove data that’s no longer clinically required to be archived using pediatric specific retention rules. Securely purge data—or keep it untouched—with individual storage containers that allow data management.
Synapse® 3D enables providers to perform a comprehensive analysis of pediatric cases from any reading station, regardless of location.

**Proven Pediatric Performance**

**Specialized Presentation**
- Seamlessly launch Synapse 3D from any reading station to interrogate difficult cases using a comprehensive set of tools.
- Use small bone extractor for evaluating and segmenting complex fractures of extremities.
- View scoliotic spines using Synapse 3D spine extractor. STL files can be generated and sent to a 3D printer, helping surgeons improve their planning for surgery—reducing surgical time and anesthesia and producing better surgical outcomes.

**Improved Workflow**
- Utilize 3D snapshot workflow to generate automatic processed data that’s ready to launch from PACS for full interaction.
- Enable technologists and 3D imaging specialists to save 3D rendered images to the PACS study for interpretation by the physician and for future historical reference.

**Trusted Protection**
- Safeguard protected health information (PHI) with server-based image rendering architecture.
- Securely access and share Synapse 3D snapshots of any clinical application with referring physicians, surgeons, and patients using desktop and tablet devices.
Synapse® Cardiovascular is at the heart of your cardiology department, providing imaging review, measurement analysis, advanced reporting, and **growing with your patients from fetal to adult congenital scans.**

### Proven Pediatric Performance

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<td>Review ultrasound images and cardiac measurements, including Pediatric and Fetal Z-scores, to evaluate and diagnose congenital heart disease. <strong>Enhance comparison</strong> to prior studies with side-by-side review of images, measurements, and reports. <strong>Provide a visual representation</strong> of measurements over the patient’s course of treatment with graphical display of trends. <strong>Monitor and plan</strong> for medical or surgical intervention with reporting that documents the cardiac structure and function.</td>
<td><strong>Maintain persistent history and risk factors</strong> for the mother and baby to provide more accurate patient details. <strong>Use structured reporting</strong> that follows American Society of Echocardiography guidelines for pediatric, fetal, and adult congenital studies. <strong>Track development of multiple fetuses using one report</strong> with unique comment sections and datasets, including Z-scores, biometry, and CV profile scores. <strong>Reduce time spent documenting findings</strong> using diagnostic tools that improve workflow. Tools include carryover of previous report content, one-click normal statements, and user-defined macros. <strong>Convey more-descriptive exam results</strong> with embedded images in the clinical report.</td>
<td><strong>Protect data</strong> with U.S. Department of Defense (DIACAP)-certified security. <strong>Facilitate secure anytime, anywhere access</strong> with web-based virtualization using both VMware and Citrix.</td>
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Synapse® Mobility Enterprise Viewer facilitates real-time collaboration among physicians, parents, and specialists with built-in tools that enable pediatric care decisions to be made quickly.

Proven Pediatric Performance

**Specialized Presentation**

*Present the entire imaging record* securely through the EHR with a single enterprise viewer.

*Provide physicians with real-time image collaboration* as they make their rounds. Physicians can review the images through their mobile device with the parents—regardless of their location—enabling everyone to simultaneously see and hear the course of care, even if they are at work or home.

**Improved Workflow**

*Access all the clinical data in the EHR, as well as the images, with one click.*

*Access studies, interpret, and prepare for pediatric patients before they arrive.* In cases of hospital transfers, studies can be routed electronically before the patient arrives, providing a better clinical outcome.

**Trusted Protection**

*Adhere to the most stringent security standards* with an enterprise viewer granted Authority to Operate (ATO) on networks in the U.S. Department of Defense (DoD).

*Securely and quickly view* all patient imaging data without downloading any patient data locally using the latest server-side rendering technology.

Our scalable Enterprise Imaging platform enables you to concentrate on one thing—care for your smallest patients.
SonoSite offers portable, point-of-care ultrasound solutions that are intuitive and easy to use, allowing pediatric clinicians to focus on what matters most—their patients.

Proven Pediatric Performance

Safety

20% higher success rate of vascular access in pediatric patients when using ultrasound guidance.¹

Precision

Increased near field resolution supports improved visualization and measurements in pediatric patients.²

Perform nerve blocks in infants and children with increased confidence, using our ultra-high frequency Vevo MD transducers.

Features

Empower your efficiency through intuitive yet smart user interfaces.

See improved penetration, contrast resolution, and sharpened detail resolution with DirectClear Transducer Technology.

Perform pediatric imaging with a choice of ultrasound systems and transducers ranging from low to ultra-high frequency.

Benefit from a choice of transducers for imaging children of all sizes.

Enhance needle visualization with Steep Needle Profiling to assist with ultrasound guided needle procedures.


The SonoSite Vevo® MD

The world’s first ultra high frequency ultrasound system designed for clinical use, with frequencies up to 70 MHz.

Learn more today.

The SonoSite Edge II

Offers an enhanced imaging experience through industry-first transducer innovations like DirectClear and Armored Cable Technology.

Learn more today.

The SonoSite X-Porte

Incorporates Extreme Definition Imaging (XDI™) with a user-friendly, customizable touchscreen interface.

Learn more today.

The SonoSite SII

Empowers efficiency for clinicians through a simple, yet smart user interface that adapts to the user’s imaging needs.

Learn more today.
Explore Fujifilm’s integrated portfolio of pediatric digital x-ray solutions.

Proven Pediatric Performance

Safety

Ensure gentle dose without sacrificing image quality.
Eliminate grids to reduce dose and retakes.
Help improve infection control with exclusive antibacterial coating.*

Precision

Improve diagnostic certainty with enhanced image clarity, sharpness, and contrast.
Suppress noise in images without losing sharpness and detail with advanced noise reduction circuitry.
Deliver images with as much as 20% greater dose efficiency than traditional detectors with patented ISS technology.

Comfort

Calm patients and parents with kid-friendly graphics.
Maximize comfort and minimize disturbance with thin detectors that have tapered edges and are just the right size.
Speed exams and reduce the potential for retakes with single-exposure, long-length detectors.

FDR D-EVO II
digital x-ray detector

Our most durable and reliable DR detector features CsI and delivers improved diagnostic certainty with enhanced image clarity, sharpness, and contrast—and lower, more gentle dose—for the smallest and most sensitive of patients.

Learn more today.

FDR D-EVO GL
digital x-ray detector

The world’s first and only single-exposure, long-length DR detector increases safety and comfort through faster image acquisition and low, gentle dose for the youngest and most vulnerable patients.

Learn more today.

FDR GO
portable digital x-ray system

FDR Go’s compact design is smooth and speedy, making it one of the world’s quietest and most agile mobile x-ray platforms—and a reliable ally when treating young patients.

Learn more today.

FDR AQRO
portable digital x-ray system

A revolutionary compact, portable digital x-ray system with ultra-low dose and impeccable maneuverability in the tightest of spaces and easy in-department storage for on-demand availability.

Learn more today.

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Unique Solutions for the World’s Most Unique Patients

“Synapse 3D has become an integral part of our day-to-day workflow over the last few years. The ease of launch from any workstation, both onsite or when working remotely, allows immediate access to a wide array of advanced visualization tools. Resident and fellows working in the reading room and the radiology technologists working in our advanced image analysis lab use Synapse 3D regularly and consider this an integral part of the Synapse PACS.

As the number of images in every study increases exponentially, advanced image visualization suites like Synapse 3D will have a more important role to play in radiologists’ workflow.”

– Sanjay P. Prabhu MBBS, FRCR
Staff Pediatric Neuroradiologist,
Director, Advanced Image Analysis Lab,
Clinical Director, BCH SIMPeds3D Print,
Boston Children’s Hospital
Assistant Professor of Radiology,
Harvard Medical School

Learn how Fujifilm Pediatric Solutions can improve performance in your organization.

If you would like to schedule a product demonstration or have a representative contact you, please click here.