

A Changing Landscape



The field of radiology is in a constant state of acceleration and evolution. Each day, you handle an increasing number of exams and diagnostic images. At the same time, cost-management issues and the continued shortage of radiologists requires you to accomplish more with fewer resources – requiring more efficient use of people and technology. Rapid growth in the number of enterprise health systems is also a factor – multiple hospitals and outpatient imaging suppliers with legacy imaging systems raise concerns about successful integration and interconnectivity.

The Innovation Continues



Now, Carestream Health offers a solution that allows healthcare professionals to embrace this new paradigm with confidence - collaborating seamlessly across multiple sites, platforms and clinical specialties to provide timely, quality patient care at reduced costs.

ONE Chair. ONE Workstation. **ONE** Solution.

CARESTREAM RIS/PACS The ONE desktop solution

The newest generation CARESTREAM RIS/PACS is a solution platform enabling healthcare professionals to share and collaborate seamlessly across multiple sites and multiple clinical specialties. All personnel involved in patient care – schedulers, technologists, radiologists, referring physicians – can contribute to the efficient delivery of patient care. From order initiation through distribution of results, one desktop optimizes productivity for the entire radiology workflow.

Next-generation CARESTREAM RIS

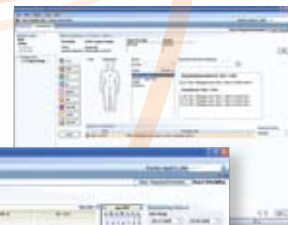
Streamlines workflow from order entry to results distribution

Scheduling productivity

This new system is rich in productivity features. Powerful new scheduling capabilities will further streamline workflow and reduce the need for rescheduling. For example, intuitive scheduling with graphical interface and “hot key” scheduling boosts efficiency. Users can view availability of all clinical staff required when scheduling an exam. A one-step tool allows entry of the exam order at the same time the exam and appointment are scheduled. You’ll reduce the chance of scheduling errors with rules-based scheduling, and improve asset utilization with series and cross-modality scheduling. If appropriate for your operation, a new patient portal feature allows patients to

access schedules and change appointments – improving patient satisfaction while maximizing staff efficiency.

Moreover, you can keep a finger on the pulse of your productivity by monitoring efficiency levels through a unique dashboard display, management reports, and strategic management tools.



POWERFUL SCHEDULING TOOLS

3

An intuitive graphical interface, “hot key”, and rules-based scheduling help to streamline workflow and reduce the need for rescheduling



Flexibility and Scalability

The new CARESTREAM RIS is Microsoft® .NET connected to offer tremendous flexibility and scalability in a thin-client solution - allowing optimal automation of radiology workflow, even across large, multi-site enterprises. A role-based intuitive user interface with preferences follows the user, utilizing resources where they reside and simplifying user training. The system can grow incrementally without forklift upgrades: it allows IT personnel to easily and affordably add hardware for greater system scalability. Users can install and run the RIS client from a URL as well, and software upgrades are automatically downloaded and installed to reduce maintenance needs.

Intuitive ease of use

The CARESTREAM RIS displays graphics and commands intuitively. Each user can adapt content based on his or her role in the department or organization. Users can personalize this interface to further enhance productivity, and make real-time changes to tailor workflow to the most specific needs. The system also offers both basic and advanced screen commands so that new schedulers can become productive quickly and experienced schedulers can further expedite workflow. Automating your workflow without standardizing it enhances efficiency.

Communication and collaboration

CARESTREAM Collaboration (integration with IBM's Lotus® Sametime® technology) allows real-time communication so radiologists can consult with colleagues for help in forming a diagnosis. Advanced, embedded voice recognition will equip

radiologists to use voice control for all commands if desired, while still supporting keyboard and mouse control. Reporting is improved with interactive voice dictation, and structured reports standardize the presentation of information to improve operational efficiency. Referring physicians gain fast access to reports and images through a secure Web portal. Distribute results via the Web, email, CD, fax, or print.



Next-generation CARESTREAM PACS

A true enterprise solution speeds reading of complex exams

Consolidate and simplify

The new CARESTREAM PACS is a scalable, web-based platform that consolidates reading, reviewing, 3D processing, archiving, and distribution. It offers a single point of access for clinicians and referring physicians, along with advanced reading tools that accelerate exam interpretation.

This advanced enterprise imaging solution allows archiving and viewing for DICOM and non-DICOM images and clinical information - for high data security and business continuity.

One desktop for all applications

This unified virtual desktop enables "anytime, anywhere" access to all relevant patient information and tools. A single user interface for reading, plus native advanced 3D applications on the PACS platform, eliminates the need for radiologists to use multiple workstations and learn multiple user interfaces. In addition, you no longer require expensive dedicated modality workstations. Desktops include streaming capabilities for viewing over low bandwidth lines.

The Power Viewer - complex comparisons made easy

The new system features a Power Viewer that builds a single virtual study with real-time volume matching of all relevant studies (new and prior), then automatically registers and synchronizes them with a single click. Innovative real-time volume matching and automatic registration for CT, MR and PET/CT exams synchronizes views of the region of interest from multiple data sets and makes it much faster and easier for radiologists to measure and compare tumors, nodules and other anatomical structures.

The full-function native PET/CT reading with fusion and standard uptake value, is the newest feature of the CARESTREAM PACS platform which already includes 3-D, mammography, vessel and cardiac analysis, coronary segmentation, and others. Advanced integrated applications - including, OrthoView™ orthopaedic templating, and virtual colonoscopy - launch through an action button for a seamless integration from the desktop.

Other capabilities include enhancements to volume rendering, bone or bed removal, vessel contours and other advanced functions, and the ability to save a 3D view as a bookmark so it can be easily shared between technologists, radiologists, and surgeons.



COMPLEX COMPARISONS MADE EASY

Power Viewer with advanced tools and native clinical applications expedites routine reading and supports diagnostic confidence

RIS + PACS

ONE

Location. Anywhere. With SuperPACS™ Architecture.

SITE A
Referring Physician
orders exam



SITE B
Clerk schedules exam



Clerk completes
billing at Site B

Exam results sent to
Referring Physician at Site A

Introducing SuperPACS™ Architecture

Link existing multi-vendor, multi-site PACS into an efficient enterprise solution

It's here: a technology that gives healthcare professionals a more efficient way to streamline workflow, using PACS resources already in place. It enables the sharing of patient images and information through a common global worklist that balances exam reading among onsite and off-site radiologists. Healthcare providers around the world can now manage disparate radiology solutions at multiple locations without the need to replace existing RIS/PACS systems. The result? A major improvement in the ability to balance costs and patient care, with simultaneous gains in productivity and overall resource utilization.

Designed for use by reading groups, regional health networks, hospitals and healthcare enterprises, single or multi-site imaging centers, and teleradiology services, SuperPACS™ Architecture is poised to rewrite the rules of sharing, managing, and archiving diagnostic images.

One worklist, with multi-site data synchronization

A common global worklist means that exams from all locations in an enterprise can be read from virtually any location. Intelligent rules are applied to share resources and optimize productivity based on radiologist workload, subspecialty, and availability. Radiologists experience common reading and reporting. Patient history and diagnostic results are accessible across sites for collaboration with colleagues for better treatment.

Plus, you can define the global worklist to include routing to specialists. Gains in productivity, rapid diagnosis, and overall patient care can be tremendous.

Assimilating remote sites and legacy PACS

The transition to SuperPACS™ Architecture is a highly economical process. No need to replace older PACS systems – even those from other manufacturers – because our flexible workflow grid architecture synchronizes sites regardless of vendor platform, age, location, or network speed. The system grows organically with your enterprise – new sites can be added seamlessly to the grid utilizing a SuperPACS™ agent. The system will also support management of multiple patient IDs via IHE profiles.

The convenience of a single desktop

SuperPACS™ Architecture provides radiologists with a common user interface and single set of applications, including advanced clinical tools, at a single desktop – no need to learn or use multiple interfaces. Images and reports can be automatically sent back to the original PACS or RIS system for local storage and distribution. Plus, all studies – current, new, and prior – are delivered to your virtual desktop. You'll experience minimized delay, as speed and productivity soar.

SITE C
Patient arrives -
exam completed

SITE D
Exam read

SITE E
Second opinion -
report signed

Super PACS™

ONE

The Innovation Continues

Learn more about
CARESTREAM RIS/PACS and
SuperPACS™ Architecture

Contact your Carestream Health representative,
call us at 1-877-865-6325, ext. 655, or
check us out on the web.

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M1-870 CAT No. 847 8802 3/10

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