



Managing critical results and reducing interruptions AMICAS RadStream™

A MICAS RadStream is a next generation software product designed to mitigate the risks associated with communicating critical results to referring physicians. RadStream helps broker the communication of positive results to help meet the ever increasing scrutiny surrounding The Joint Commission on Accreditation of Healthcare's (JCAHO) national patient safety goals. Using a sophisticated prioritization algorithm, RadStream can dramatically improve radiologists' reading productivity because of reduced interruptions.

DISCOVER TRUE WORKFLOW.

RadStream focuses on improving three critical aspects of radiology workflow, which include:

- + **Conveying Results.** The RadStream communications worklist facilitates the communication of positive results to referring physicians. This communications mechanism ensures that patients get the best care while your facility reduces the legal risk associated with not communicating positive results.
- + **Reducing Interruptions.** With RadStream, technologists complement clinical data with subjective patient observations to create an objective clinical acuity score. This acuity score prioritizes the most acute cases (those most likely to interrupt radiologists) for radiologists in real time.
- + **Brokering Communications.** With its patent-pending communications concept for automating and brokering interactions between clinicians, RadStream ensures that radiologists can easily be put in contact with referring physicians to discuss patients' cases. With RadStream, an administrative employee can track down referring physicians, which means that radiologists can focus on reading cases — and this saves time and money.

INTEGRATED CRITICAL RESULTS DISTRIBUTION

JCAHO has noted the importance of critical results communications in their national patient safety goals. A critical results communication solution fully integrated with AMICAS PACS™ offers the following benefits:

- + Critical results communication fully integrated in the radiologists' workflow — no third-party applications or disruptions
- + Patient data automatically included with critical results — no need to re-enter any data

PROVEN RESULTS

Research conducted at Cincinnati Children's Hospital Medical Center about the use of RadStream determined the following:



56% improvement in report turnaround time



25% reduction in radiologist interruptions



5 to 10% savings in full time radiologist staffing

- + Radiologists dictating results to a single location — no need to duplicate radiologists' efforts in multiple locations
- + A robust audit trail fully integrated with AMICAS PACS
- + Allows radiologists to focus on reading cases and creates a mechanism for administrative employees to track down referring physicians

MASSIVE GAINS IN RADIOLOGISTS' PRODUCTIVITY

The radiology industry has a complex challenge: there is an industry-wide shortage of radiologists — still, the utilization of imaging services is increasing every year. To remedy the challenges associated with this, the industry needs to focus on making radiologists more productive.

RadStream addresses this need by combining clinical data with patient observations to create an objective clinical acuity score. Instead of relying on a simple "STAT" designation, RadStream prioritizes imaging exams based on a "most likely to interrupt" method and automatically sends the highest priority exams to the top of the radiologists' worklist to be read next. Research conducted at Cincinnati Children's Hospital Medical Center about the use of RadStream determined the following:

- + A 56 percent improvement in report turnaround time
- + A 25 percent reduction in interruptions to radiologists
- + In a 20 radiologist practice, these productivity increases result in savings of 1 to 2 full time radiologists.

AMICAS acquired the exclusive licensing and worldwide distribution rights to RadStream in April 2006. The software was designed and developed by the Radiology Informatics Research Core at Cincinnati Children's Hospital Medical Center in collaboration with researchers at the University of Cincinnati College of Business.

"AMICAS RadStream is making our department more efficient, increasing our referring physician's satisfaction, and enabling us to provide better patient care. It's been a big hit with our doctors, since they're quickly contacted when one of their patients has a critical finding."

Brian Duncan RT, PACS administrator,
St. Mary's Hospital (Athens, GA)

AMICAS RADSTREAM

MANAGING CRITICAL RESULTS AND REDUCING INTERRUPTIONS

AMICAS[®]

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