Medstreaming Introduces Radiology Structured Reporting Upgrades for Clinical Data Management Platform at RSNA 2014

Massachusetts General Hospital Adopts Medstreaming Application

Chicago, IL – December 1, 2014 – Medstreaming, a leading medical informatics company, announced the release of structured reporting upgrades for its Clinical Data Management platform (CDM) at the annual Radiology of North America (RSNA) congress being held November 30 – December 4, 2014. The CDM is a revolutionary software solution which incorporates innovative technologies aimed at increasing the productivity of different clinical workflows in the acute care and ambulatory setting.

The CDM productivity workflow layer fuses data from a multitude of fragmented data sources such as EMR, PACS, imaging devices, and non-imaging devices. The CDM's productivity workflow layer is designed to greatly enhance efficiencies in enterprise radiology, cardiology, and women's health service lines as well as most sub-specialty, clinical workflows, in the ambulatory markets. Through the CDM productivity workflow layer, the Medstreaming CDM platform structures data and creates specialty-based data models. The platform also supports data warehousing as well as big data analytics. This is accomplished with unique visual analytic technology that fully integrates medical imaging with structured data in one unified platform.

As part of the CDM platform, Medstreaming is showcasing its latest structured reporting platform technology, Graphic Fusion Workflow ™ (GFW), along with its latest upgrade to GFW, Graphic Fusion Waveform Icons. "Graphic Fusion Workflow is fundamentally a digital convergence of the functionality of traditional table based exam worksheets and the anatomical context and improved efficiency provided by sketches." said Wael Elseaidy, CEO of Medstreaming. "Through DICOM structured reporting, measurements are auto-populated to appropriate locations within the anatomical digital sketch. A major component of GFW is bi-directional communication between the table and the sketch, with textual input into the table prompting graphical input into the sketch and vice versa. All inputted data resides in a clinical and minable database."

In addition to GFW, the new Graphic Fusion Waveform Icons upgrade provides a means for visually communicating blood flow hemodynamics detected within a particular vessel segment, and when viewed collectively, the patterns of blood flow within the entire vessel or system. Requiring only a common understanding of blood flow hemodynamics, their utilization is not dependent on the use of standardized terminology for describing waveform morphology (which currently does not exist). Used in combination with the graphics fusion sketch, the icons provide a clearer and more efficient means of communicating findings and results.

Medstreaming also announced an agreement to implement Medstreaming at Massachusetts General Hospital (MGH), a world-renowned academic medical center and a founding member of Partners HealthCare. The MGH Department of Radiology will be adopting the Medstreaming CDM for 3D ultrasound workflow, and will work with Medstreaming on expanding the structured reporting concept into 3D ultrasound.

"Medstreaming's structured reporting for radiology platform is not only for workflow automation and efficient reporting – it also builds valuable data assets. Our CDM platform uses these data to create business intelligence from fragmented data sources. The data is displayed in a way that's easy to understand and use for administrators, clinicians and researchers." said Elseaidy. "This is revolutionary as the information can be looked at in new ways, across many perspectives, using visual analytics tools tailored for every clinical specialty. We're thrilled to work with the team at MGH!"

About Medstreaming®

Many challenges confront the medical industry due to an extremely fragmented data management structure. To address this fragmentation, Medstreaming created a Specialty-Based Vascular, Cardiovascular, and Women's Health Workflow Application which functions as a "best of breed" performance layer in the inpatient workflow on top of inpatient electronic medical records (EMR). Using this clinical workflow expertise, Medstreaming has also developed the industry's first "All in One" integrated platform application that runs as an outpatient EMR, image management & reporting, and practice management workflow solution. All Medstreaming solutions act as an aggregator for structuring clinical data which in turn creates powerful data service offerings for multi-purpose, web based, data mining and data analytics. Medstreaming is headquartered in Redmond, WA. For more information, visit www.medstreaming.com.

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