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Mach 7 Technologies Provides Optimized CT and MR Study Segmenting Software to Massachusetts General Hospital Imaging

Keystone Study Split Utility™ Technology Accelerates Study Segmenting Process

Burlington, VT – June 2, 2010 – Mach 7 Technologies (M7T), a global provider of flexible, PACS-neutral healthcare image management solutions, has developed a state-of-the-art modality workstation application, the Keystone Study Split Utility (SSU), for Massachusetts General Hospital Imaging.

The Keystone SSU will enable Mass General Imaging to improve workflow and enhance technologist productivity by reducing the time required for technologists to accurately split multi-region CT and MR scans (i.e. Chest-Abdomen-Pelvis) into anatomic regions that match the original orders from the RIS and reducing the time required for the newly split studies to be sent to the picture archiving communications system (PACS).

With the new Keystone SSU application, radiologists who specialize in one region of the body will quickly get just the images they need to interpret while ensuring accurate billing for all orders entered into the system. The efficient and accurate splitting of studies is important as a means of speeding time to diagnosis, enhancing patient care, and improving operational and business processes.

“The Keystone Study Split Utility improves technologist workflow when splitting multi-region scans from CT or MR,” notes Mary-Theresa Shore, Director of Clinical Operations at MGH. “Based on initial testing data from the Keystone SSU clinical pilot, we are excited about the anticipated increased technologists’ efficiency that the utility will deliver from scanner to PACS.”

Designed for simplicity and continuity, the SSU receives multi-region studies and provides a straightforward work list interface from which studies can be selected for splitting by

technologists. Once selected, the study loads quickly into the splitting interface at the Image level or Series level. From this intuitive user interface, technologists can easily highlight images or series and relate them to the original accession numbers (orders) derived from the DICOM Modality Worklist coming from the RIS or PACS broker. If they haven't completed the exam in the RIS, the SSU automatically generates a reminder before allowing the technologist to split the study. The SSU enables overlapping between anatomic regions and the ability to send the scout image and dosage report image or series with all of the resulting studies. Once the split definition step is completed, the technologist initiates the split/send function with a minimum of clicks. The SSU then automatically splits the original study into the defined studies for each anatomical region and associates them to the proper accession numbers. The SSU sends a Storage Commit Query to the PACS to auto-verify that the studies are in the PACS before purging them from memory.

“Our ability to rapidly incorporate feedback from the Mass General Imaging clinical operations team during the development of the Keystone SSU epitomizes the way Mach 7 Technologies partners with customers to deliver new and exciting image management solutions faster and with greater end-user customer input than other software developers,” says Doug Schwab, VP and GM of Mach 7 Technologies. “The Keystone Study Split Utility demonstrates why Mach 7 Technologies is a rapidly-emerging provider of advanced, PACS-neutral, DICOM-based solutions.”

About Mach 7 Technologies

Headquartered in Burlington, Vermont, Mach 7 Technologies is a global provider of innovative, flexible, PACS-neutral image management solutions that enable healthcare enterprises to better control, share and access medical imaging data. Mach 7 Technologies develops software products that solve sophisticated image management challenges for hundreds of hospitals, imaging centers and clinics worldwide. For additional information, please visit www.Mach7T.com.