ResolutionMD Accesses Images up to Six Times Faster Than Other Image-Viewing Systems

Calgary Scientific

Creating Significant Operational Cost Saving Opportunities

Calgary Scientific Inc., a company known for creating transformative technology for the medical industry and beyond, today shared that its ResolutionMD diagnostic medical imaging software was formally evaluated by clinicians during a structured research study at the Mayo Clinic in Arizona and determined to be significantly faster than the two PACS and desktop image-viewing systems currently in use at the facility. The purpose of the study was to compare three image-viewing products in terms of: diagnostic quality, access time to images, technical reliability, and, clinician satisfaction.

Seventeen clinicians participated in the study. Each had ResolutionMD installed on an Apple iPad and access to two existing desktop applications; a commercial PACS and an in-house developed image viewing system. The time for radiologists to access images for reading using ResolutionMD were 2.7 minutes versus 12.3 and 17.5 minutes for the other systems respectively.

The report concluded that, “ResolutionMD provides high clinician satisfaction, significantly faster image access, comparable diagnostic confidence and ease of use compared with standard of care image viewers. Mobile access to diagnostic radiology images could result in faster patient throughput, lower health care costs and improved patient outcomes compared with currently available systems.”

The findings were presented this week at the Medicine 2.0 World Congress [1] in London. The presentation, “Medicine on the Go: Rapid Access to Radiology Images with a Mobile Image Viewer [2]” looked at how accurate and rapid interpretation of medical images is critical after hours and in acute care settings when access is typically limited. There were seven radiologists, four surgeons, four neurologists, two oncologists and two physician assistants who provided data on 552 image-viewing events during the study.

“The results of this study, undertaken by one of the most respected institutions in the world, should be very compelling to the healthcare industry,” said Pierre Lemire, President and CTO of Calgary Scientific. “When you dramatically reduce the amount of time it takes to view an image and multiply that by the large and growing number of images that are viewed in a year, the cost savings are measurable and significant for any organization that adopts ResolutionMD.”

For more information, visit www.calgaryscientific.com [3].

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