

University of Toronto Partners with IMS for Emergency Radiology Simulation

IMS Web Viewer™ Selected for ER Simulator Exam Study

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TORONTO, May 1, 2019 /PRNewswire/ -- **International Medical Solutions ("IMS")** and the **University of Toronto Department of Medical Imaging** have signed a partnership agreement to assess the performance of diagnostic radiology residents using IMS Web Viewer™ within a simulated Emergency Radiology environment. The program is part of a larger study being funded by the **Radiology Society of North America** ("RSNA"), to determine the effectiveness of the ER Simulation testing program.

The two-year research project is being led by Eric Bartlett, Assistant Professor and Program Director of the Diagnostic Radiology Residency at the University of Toronto. Residents from ten (10) Canadian Universities plus up to ten (10) US-based programs will be taking the simulation assessment to demonstrate competency in an emergency radiology setting before being scheduled for after-hours emergency call shifts.

"The objective of our study is to determine the competency of our residents using this high-fidelity, realistic simulation experience. We hope the 'Sim' will enable our residents to better understand their roles in the emergency radiology setting, including all of the tasks and responsibilities that will be expected of them," says **Eric Bartlett**, Program Director of Diagnostic Radiology, University of Toronto.

The breakthrough FDA cleared imaging technology, allows physicians to engage in interactive, web-based assessments, on any device using full fidelity DICOM images. The diagnostic assessment represents the first high fidelity simulation experience in emergency radiology for trainees.

"One of the challenges that I encountered in the project was finding a full fidelity DICOM Web Viewer that worked well on a variety of devices and low bandwidth connections. I evaluated several solutions available in the market and selected the IMS Web Viewer™ for my research simulation project because I found it to be

be simple to use on any device and reliable in all types of network conditions. As a leading educator, this represents a huge breakthrough in how we evaluate, test, and deliver medical education for our residents," adds Bartlett.

In addition to testing residents, the investigation may inform future revisions to the ER Simulator and foster further collaboration between global residency programs. If successful, the IMS Web Viewer™ could become a key solution for competency-based testing and programming throughout North America and beyond.

"IMS is proud to play a key contributing role in this important study," says **Vittorio Accomazzi**, CTO of International Medical Solutions. "As a partner to educators, hospital administrators, and physician-led service providers, IMS is committed to ensuring exceptional care is being delivered to patients by well-trained radiologists throughout North America," adds Accomazzi.

About University of Toronto Diagnostic Radiology Residency Program

The Diagnostic Radiology Residency Program at the University of Toronto is fully accredited by the **Royal College of Physicians and Surgeons of Canada**. Our mandate is to prepare our Residents to become highly competent radiologists who are valued members of the larger health care delivery team. Our goal is to promote the next generation of clinical radiologists, educators, researchers, innovators, leaders and patient advocates in medical imaging.

About International Medical Solutions ("IMS")

International Medical Solutions ("IMS") designs and implements custom, scalable, medical imaging solutions for multi-national modality OEMs, EMR companies, and cloud-based radiology organizations. Founded in 2012, IMS' innovation team has more than 90 years of collective experience developing secure, low bandwidth, image distribution platforms with deep learning and artificial intelligence, providing its partners with the latest imaging solutions in the marketplace. Industry organizations such as **ASER** and **ACR** have adopted IMS' technology to provide testing and training because the images are realistic, easily accessible, and the platform can be used by hundreds of physicians at the same time.

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