



PRESS RELEASE

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SIMQUEST RECEIVES NIH GRANT TO EXPAND ITS SIMULATION PLATFORM

BOSTON, MA, September 25, 2013 – SimQuest Solutions Inc. has received Phase I funding from NIH to design a vascular surgery training simulator.

Vascular surgery is used for varicose vein treatment, carotid artery stenting, aneurism repair, and a variety of other conditions affecting the blood vessels and lymphatic systems. The simulator developed for NIH with this funding will directly respond to the need for simulation-based training in vascular surgery, which has been recognized by government and industry alike.

This project will expand SimQuest’s current simulation platform to support vascular surgery training. When the simulator is complete, users will be able to practice gaining access to and interacting with vascular structures until they are proficient. They will stand as they would at an operating table, view a stereo display of patient anatomy, use actual surgical tools, and encounter the same resistance of skin and vessels during the procedure that they would in real life – effects made possible by haptics technology. SimQuest’s simulator will be different from other vascular surgery simulators in that it will meet the specific needs of the Association of Program Directors in Vascular Surgery (APDVS) curriculum, which will make it clinically useful to licensing and accreditation bodies.

SimQuest’s business is the training of medical personnel via simulators developed with cutting edge technology and decades of clinical education experience. The company’s goal is to hone skills, reduce the risk of errors, and thus help save lives. SimQuest’s simulator projects have focused on surgical wound closure, drilling a burr hole in the skull to relieve intracranial pressure, hemorrhage control (a top military priority), nerve repair in the head and neck, and others. Built with a solid foundation of federal funding, these projects are part of a comprehensive platform from which new simulators, such as the new vascular surgery training simulator, will emerge.

“Becoming proficient in a rapidly developing field such as vascular surgery is an increasing challenge,” says SimQuest CEO and founder Howard Champion, MD. “Our new simulator will respond to a well-documented training need. It will allow surgeons to practice vascular surgery skills to a standard of expertise that will translate to superior performance in the OR.”



Artist's rendering of SimQuest's Vascular Surgical Skills Trainer

About SimQuest

SimQuest creates innovative medical training solutions and state-of-the-art simulators that allow physicians and other healthcare professionals to develop and perfect their skills without risk to patients or animals.

SimQuest's simulators have authentic virtual anatomy interfaces, real-life physical and material properties, adaptable technology for multiple specialties and pathologies, next-generation haptics tailored for tool-tissue interaction, and advanced learning systems (including serious games) that are student-specific and Web-enabled. Our content is driven by end users, both trainers and trainees, so it exactly fits the training needs.

SimQuest has recently relocated its headquarters to Boston because it is a national center for academia, industry, and innovative medical technology.

We complete several simulator projects each year for corporate and government clients.

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