

Medical Training magazine

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MAGAZINE

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Facilitating the Development of Healthcare Leaders

PEDIATRIC HEALTH

Family Education Programs with Mannequin-based Training

TEAM TRAINING

Understanding Team Training - Utilizing Objective Markers

CAE in the News

CAE Launches Neurosurgery Sim with NRC

CAE Healthcare launched the NeuroVR™, a neurosurgery simulator that offers what the company says is the world's most realistic training environment for open cranial and endoscopic brain surgery procedures. The simulator was developed by the National Research Council of Canada (NRC) in collaboration with clinicians from teaching hospitals in Canada, the U.S., Europe and Asia. The simulator is already in use at 15 sites, has been validated in published clinical studies, and is now being used to develop objective assessment metrics for neurosurgeons.

NeuroVR lets learners practice neurosurgery and provides realistic visual and tactile feedback for different types of tissues. It includes 37 training modules covering instrument handling; endoscopy for cranial procedures; and fundamental skills such as tumor resection, tumor debulking and hemostasis. It is designed for the safe practice of low-frequency, high-risk surgeries; it captures performance metrics; and it could provide a reliable assessment tool for neurosurgical skills including the safety, quality and efficiency of open cranial and endoscopic procedures.

CAE Healthcare has exclusive rights from NRC to sell and



distribute the simulator, and will collaborate with NRC to develop additional training modules within the neurosurgery field. The National Research Council initiated the NeuroTouch (now known as NeuroVR) research project in collaboration with teaching hospitals throughout Canada in 2008, including founding members, McGill University Health Centre and the University of Toronto Health Network.

CAE Releases LearningSpace Intuity



CAE Healthcare released LearningSpace Intuity™, the next generation of its audiovisual solution for simulation center management.

CAE says the fully redesigned solution offers a more intuitive user experience, is easier to use, has more flexibility for mobile platforms and offers an enriched end user experience for healthcare faculty, simulation center managers and students. The new hardware platform captures audio, video and patient data into a one box per room configuration platform that is uniform for all customers and can be scaled to multiple rooms or locations by adding a connecting server.

CAE Healthcare Distributing Strategic Ops Surgical Cut Suit in US

CAE Healthcare secured the rights to distribute the Strategic Operations (STOPS) Surgical Cut Suit and other simulation training products in the United States. After CAE gained worldwide distribution rights outside the US in September, the two companies expanded their partnership to give CAE Healthcare distribution rights for US civilian training centers and US military customers.

Designed for point-of-injury care, the Surgical Cut Suit and Emergency Medical Services/Tactical Combat Casualty Care (EMS/TCCC) Cut Suit vest can be worn by an actor or zipped around a manikin to simulate traumatic, life-threatening injuries – and let first responders and physicians practice surgical and emergency procedures in real time.

Surgical Cut Suit procedures include hemorrhage control by tourniquet or by suturing and stapling of internal organs, arterial ligation or clamping, surgical cricothyrotomy, needle thoracocentesis, suturing of internal organs and skin and peripheral IV access. Both types of suits can be customized to the scenario and are repairable for multiple uses.

CAE Healthcare Introduces Athena

CAE Healthcare introduced Athena™, a high-fidelity female patient simulator that “will add that crucial element of realism and believability to female patient scenarios that is needed to help learners gain confidence, develop critical thinking and master higher level skills through simulation,” says Dr. Robert Amyot, President of CAE Healthcare. He says “Other than child-birth simulators, there are no high-fidelity female manikins available to simulation centers.”

Athena can be placed on a ventilator and provides comprehensive cardiovascular education and integrated CPR performance metrics that are compliant with American Heart Association 2015 guidelines. Athena comes with five evidence-based Simulated Clinical Experiences (SCEs) programs including acute respiratory distress, sepsis and heart failure. She is wireless and tetherless for in-situ training or mobile simulation.