

ARTICLES AND ABSTRACTS ABOUT USING

THE HUMAN WORN SURGICAL SIMULATOR (CUT SUIT) IN MEDICAL EDUCATION

For the last six years Strategic Operations (STOPS) has helped develop innovative medical simulations with medical schools like Rocky Vista University (RVU) School of Osteopathic Medicine, an early adopter of the STOPS Human Worn Surgical Simulator (“Cut Suit[®]”). RVU and STOPS incorporated the Cut Suit into surgical and emergency medicine education and created an Intensive Surgical Skills and Trauma Course (ISSTC) curriculum around this technology. Since the demise of the “Halsted Method” of “see one, do one, teach one,” which allowed practicing on a live human - and is no longer possible because of patient safety and ethics - simulation is the only alternative as a safe, repetitive, immersive teaching tool. Creating medical simulation in a hyper-realistic environment – from point-of-injury through the ER to the OR, takes modern surgical and emergency medicine education to a new level.

STOPS defines Hyper-Realistic[®] as “the achievement of such a high degree of fidelity in the simulation of real world conditions in a training or educational environment that participants willingly suspend disbelief so as to emotionally (and physiologically measurably) become totally immersed and eventually stress inoculated.” Recent medical studies corroborate anecdotal evidence that Hyper-Realistic[®] immersion training produces a stress inoculation effect and that repetitive training in controlled, stressful situations enables people to lower their stress levels from the detrimental range to a more beneficial one, in a measurable way. The following peer-reviewed scientific papers and presentations over the last five years demonstrate the effectiveness of this type of medical training and education.

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