OSSimTech[™]



Virtual practice Real skills

The **first and only** virtual reality **virtual** reality **virtual** reality

Sim-Ortho[™] is the next generation virtual reality simulator designed for the training of medical students and orthopedic residents.



The **Sim-Ortho**[™] VR training simulator currently enables simulation training of knee arthroplasty procedures, spine surgeries, trauma (available in 2017) and practice of surgical skills such as bone drilling and sawing.

Ortho

OSSim

With the **Sim-Ortho**[™] simulator, trainees and users can focus and train their surgical skills effectively - without risk to patients and hospital daily constraints. Different surgical cases are available and surgery procedures can be trained several times - before entering the stressful OR!

I believe OssimTech's **Sim-Ortho**^{**} simulator will have a direct impact on student's performances. It will contribute to accelerate their learning process and significantly improve their skills and confidence while minimizing patient risks in the O.R.

ossimtech.com

Sim-Ortho[™] Virtual reality orthopedic open-surgery simulator



The **Sim-Ortho**[™] simulator user interface is intuitive and user-friendly, and is based on serious gaming environment.

OSSimTech[™] simulators expand training possibilities in the field of open surgeries by a standardized and quality-assured training method. The **Sim-Ortho**[™] simulator records training data and provides a detailed evaluation and feedback of the surgical exercise and performance. Medical educators and students can obtain a detailed evaluation of individual learning curves.

Features

- Experience of real-time haptic feed-back (applied force and resistance).
- Allows practice of knee arthroplasty procedures, spine surgeries and trauma procedures (available in 2017) including interventionbased tasks (such as drilling, screwing and sawing).
- Allows handling and manipulation of handheld orthopedic surgical tools in a real surgical environment.
- Allows tracking of total tools movement (precision, orientation, amplitude, and depth), applied forces and tasks completion time.
- Performing software adaptable to training agenda and curriculum.

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