

InSimo and VirtaMed Announce Partnership to Enhance Laparoscopic Surgery Suturing Training on LaparoS™ Simulator

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The Strasbourg-based company InSimo, specialized in the development of high-fidelity simulation software for medical and surgical training, and VirtaMed AG, a world leader in the most realistic surgical simulation training are pleased to announce their partnership to **create state-of-the-art simulation exercises aimed at raising the standards for laparoscopic suturing training.**

Mastering laparoscopic surgery requires specialized training.

Laparoscopic surgery offers a host of advantages over traditional open surgery, like smaller incisions, reduced pain, shorter hospital stays, and faster recovery times. Consequently, it has become the preferred choice for a wide range of surgical procedures. However, mastering laparoscopic surgery presents unique challenges requiring specialized training.

VirtaMed LaparoS™ laparoscopic surgery simulator, provides a controlled and risk-free environment for surgeons to gain the essential skills and confidence required for these procedures. **Many medical training institutions** have recognized the value of integrating laparoscopic simulation into their curricula, as it consistently enhances training and ultimately improves patient care and **have already chosen VirtaMed's simulator for their trainees.**

Virtual suturing simulation: a real technical challenge!

Laparoscopic surgery training usually starts with the acquisition of fundamental skills, including suturing. However, **replicating the realism of suturing in simulation has remained a technical challenge.** Whether it involves threading the needle through tissues or tying knots, simulations often fall short of accurately capturing the intricacies of this fundamental surgical gesture, despite its critical importance in every surgical procedure.

InSimo's cutting-edge technology on VirtaMed LaparoS™ simulator.

Thanks to many years of research and development, InSimo has developed a highly advanced interactive surgical suture simulation model including realistic suture behavior dynamics and precise suture manipulation control. **InSimo's technology** pushes back current limitations **to offer an ultra-realistic suture simulation** that sets it apart from anything else currently available on the market.

The partnership with **VirtaMed fosters the dissemination of this cutting-edge technology** through a set of essentials and advanced suturing exercises available **worldwide**, integrated into the LaparoS™ simulator. The collaboration, started in early 2022, has resulted in the release of a first simulation module with 15 exercises, specifically designed to enable surgeons in training to develop and refine their laparoscopic suturing skills within a realistic and safe virtual environment.

This partnership has paved the way for exciting opportunities, and InSimo is already crafting a second module that offers more advanced exercises to train for laparoscopic suturing.

This partnership resulted in 15 exercises for a high quality laparoscopic suturing training.



"We are thrilled to announce a groundbreaking partnership between VirtaMed and InSimo! United, we bring forward an innovative surgical simulation focused on enhancing suturing skills. Leveraging our collective experience and dedication to excellence, **we aspire to revolutionize surgical training**, making it more accessible, effective, and efficient for all. Stay tuned as we embark on this journey to shape the future of surgical education together!"

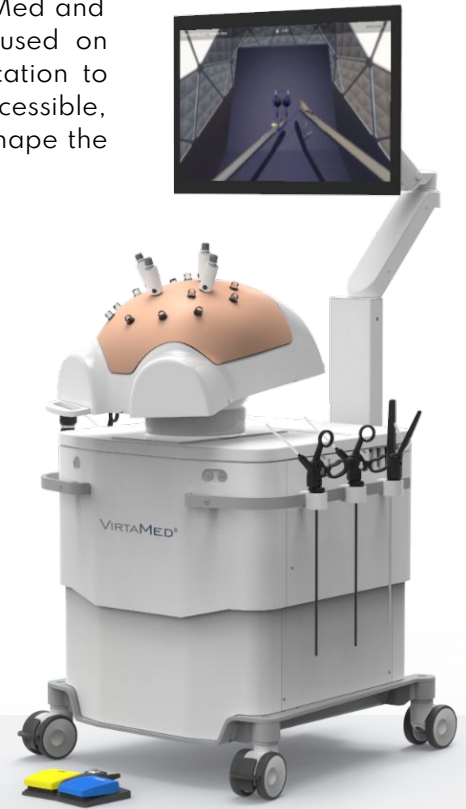
Verónica Cléménçon

VirtaMed AG - Product Manager

"This partnership with VirtaMed is **a major step forward in InSimo's development!** We are very proud to be able to spread our technology worldwide with a leading company in the medical simulation industry. Our team has worked hard to develop a suture simulation with an unprecedented level of fidelity. With VirtaMed, we are now maximizing the educational impact of this innovation for the benefit of surgeons and their patients!"

Pierre-Jean Bensoussan

InSimo - CEO



About



InSimo has been developing medical simulation software for surgical and medical training since 2013. "Never the first time on the patient". This is the aim of healthcare simulation training : to offer medical students experience learning modalities to practice without risk to the patient. InSimo's expertise in interactive biomechanical simulation, inherited from academic research, is complemented by many collaborations with the medical world, as a result of a historical integration at the heart of the Strasbourg university hospital.

Contact

Pierre-Jean Bensoussan - CEO
pierre-jean.bensoussan@insimo.com



VirtaMed believes medical education is powerfully delivered through data-driven simulation solutions. Since 2007, we have developed the leading solutions for training outside the operating room because we believe healthcare professionals should never have to perform a procedure for the first time on a patient. VirtaMed's simulators provide the most realistic and cost-effective training available for laparoscopic surgeons.

Contact

Marcel Hohl - SVP of Products and Marketing
marcel.hohl@virtamed.com

More info

Learn more about InSimo's simulators and technologies, visit <https://www.insimo.com/>

Learn more about VirtaMed's LaparoS™ suturing exercises, visit <https://www.virtamed.com/en/medical-training-simulators/laparos/essential-skills/>