

Richard Wolf USA

Custom-built HystSim™ for PRINCESS™

In December 2010, Richard Wolf USA decided to advance their way of presenting the PRINCESS™ Resectoscope to the next level: They ordered a custom-made virtual reality training simulator from VirtaMed AG. The existing HystSim™ had been adapted quickly to include all Richard Wolf components, and in January 2011 the highly realistic hysteroscopy simulator arrived in the US. Today, it is used to conduct practical training courses and to present the PRINCESS™ Resectoscope at conferences.

A custom-built simulator

VirtaMed adapted the original PRINCESS™ Resectoscope for use with the hysteroscopy simulator HystSim™ and also added Richard Wolf branding during the simulation and on the feedback report after each virtual procedure. Sales representatives travel light with the portable simulator, the setup of the system is simple and quick, and messy wet labs are avoided. For trade shows it is an impressive way to present products, and it is available for surgeons to perfect their skills 24/7. Due to the efficient training, physicians achieve fast progress in the learning curve – which makes it easy to convince them of the many advantages of the PRINCESS™ Resectoscope.

Practical courses and interactive presentation at conferences

During hands-on courses, surgeons can learn the correct handling of the PRINCESS™ Resectoscope, how to do a diagnostic hysteroscopy and how to deal with the fulcrum effect. When resecting polyps or myoma, surgeons safely train hand-eye-coordination and their resection technique. The simulator facilitates

learning with objective performance feedback during and after each training. The simulator setup attracts surgeons at medical congresses and during hands-on courses at hospitals or training centers. One of the positive financial effects for Richard Wolf are the lower disposable costs involved to train surgeons until they reach the desired confidence and skill level.

What convinced you to work with VirtaMed AG?

"It was the high degree of realism which is unequaled by any other virtual reality simulator. What really surprised me was the rapid development and service. We ordered our customized simulator in December, and in January we had it up and running!"

- **Arne Geest, Product Manager at Richard Wolf Medical Instruments Corporation**

How do you use the custom-made simulator developed by VirtaMed?

"The custom simulator is a great tool to show surgeons right at the conference booth how our instruments work. In addition, having the most realistic simulator at our hand gives us a nice competitive edge and shows our dedication to both professional education and innovation."

- **Marco Wohnig, Corporate Director of Sales Richard Wolf Medical Instruments Corporation**

What do you think of the project developed in collaboration with Richard Wolf?

"Richard Wolf is aiming for excellence, both with their instruments and in training surgeons thoroughly. They had very precise ideas of what they wanted – we were happy to provide a system adapted to their needs. Surgeons can now train to perfection with the original PRINCESS™ scope in a safe, virtual environment."

- **Dr. Stefan Tuchschnid, CEO VirtaMed AG**

About Richard Wolf Medical Instruments Corporation

Richard Wolf Medical Instruments Corporation is a part of Richard Wolf GmbH, one of the leading manufacturers of high-quality products for endoscopic diagnosis and therapy in human medicine and veterinary medicine. As a full-range supplier in endoscopy, Richard Wolf GmbH has a workforce of 1400 highly qualified employees. The company operates as part of an innovative international group, the mother company based in Germany, with 7 subsidiaries, and 120 regional offices worldwide. The rigid and flexible endoscopes are used in the disciplines of arthroscopy, surgery, gastroenterology, gynecology, laparoscopy, ENT, neuroendoscopy, thoracoscopy, urology and visualization. Richard Wolf has a track record of success spanning 100 years in this sophisticated area of precision engineering.

virtamed.com/references

Realistic simulators for medical education

VirtaMed is a Swiss company with an interdisciplinary background in medicine and engineering. Our mission is to develop state-of-the-art training tools for endoscopic surgery of highest possible realism, all with the ultimate goal to improve the quality of patient care. VirtaMed's virtual reality simulators provide instructional teaching and training of different diagnostic and therapeutic endoscopic interventions. The simulator family includes HystSim™ for hysteroscopic interventions, UroSim™ for prostate resection and bladder tumors, ArthroS™ for knee and shoulder arthroscopy and PelvicSim™ for IUD insertion and hysteroscopy. Teaching institutions and medical device companies use VirtaMed's simulators globally for education and hands-on training.

Some of VirtaMed's top industry references



spirit of excellence



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