





SUSTAINABILITY

Surgical Science has an important assignment in accepting the challenge presented by healthcare to reduce healthcare injuries in a patient safe way. Surgical Science achieves this with unique products and simulation solutions where surgeons and other medical specialists can practice before operating on patients. For Surgical Science, continuously working on improvements to its core technology is essential in maintaining the high quality of its products.

Computer based simulations for medical training increase patient safety

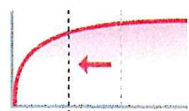
An increased focus on patient safety and healthcare costs is a strong driving force in medical simulation. Surgical errors can have serious consequences, in terms of the patient's suffering and in terms of the high cost to healthcare and society. Computer based simulations are an important factor in increasing efficiency and lowering costs in a patient safe way. Studies have found training with simulation to shorten the learning curve and to make it nine times more likely that a procedure will be performed successfully.

Results of simulation training

-  **Standardized objective assessment**
-  **Improved skills**
-  **Increased self-confidence**
-  **Fewer clinical errors**

Advantages of simulation in medical training

Simulation prepares physicians without risk for patients



Shortens the learning curve¹



Training without risks for patients²

29%

Faster when performing first procedure on humans³

5X

Less likely to make errors³

9X

More likely to complete a successful procedure³

1. Christian Larsen – Effect of VR training – British Med J 2009;
 2. Brown et al – VR appendectomy learning curve trajectory – J lapendo adv surg techn 2019;
 3. Agha RA, Fowler AJ. The role and validity of surgical simulation. Int Surg. 2015

Quality system

Surgical Science's quality management system is the basis for the company's certifications and ensures that the company delivers high quality products. The production unit in Israel is ISO certified, with additional certifications expected to be completed in 2023. The products are CE labeled for the approved area of use and instructions are included to ensure correct use. The company's production units in Seattle and Gothenburg apply local quality management systems with local staff assuring quality.

Environmental policy

As a global company with the objective of improving the healthcare industry, the health of the environment and its preservation is also an obvious and essential element for Surgical Science. The company has, as such, committed to complying with the directive on the restricted use of certain hazardous substances in electronics and electronic equipment (the RoHS directive), which limits the use of defined hazardous materials in the manufacture of various types of electronics and electronic equipment. Surgical Science intends to limit the use of hazardous substances in electronic components used in the company's products by only working with suppliers who comply with the directive.

Training on Surgical Science's simulators is an effective way of securing practical skills and, thereby, increasing patient safety.

Surgical Science strives to minimize its negative impact on the environment and to reduce its footprint by complying with the Waste from Electrical and Electronic Equipment Directive (the WEEE Directive), which states targets for the collection, recycling and recovery of electrical goods. Waste from customers, standard materials used in production as well as, old, obsolete parts are sorted for collection by local contractors. Contracts and relationships have been established with certified local waste management operators, a controlled process with waste being reported and regularly traced.

The directive also holds retailers responsible for providing WEEE returns free of charge to end customers, and requires that collected electrical and electronic components be treated appropriately.

Surgical Science's sustainability work is based on the UN's 17 global goals for sustainable development.

