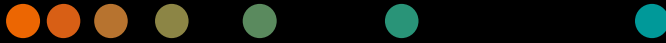
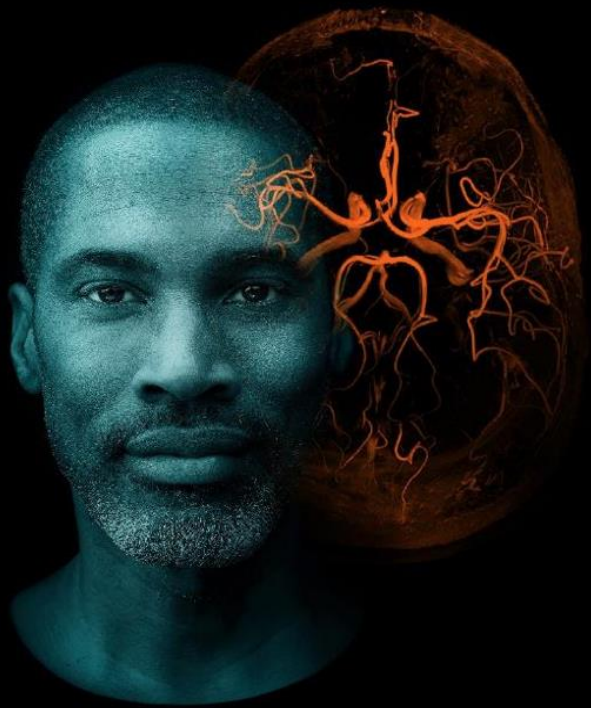


## UpSkill Services PeriopSim

Surgical training and assessment  
on demand



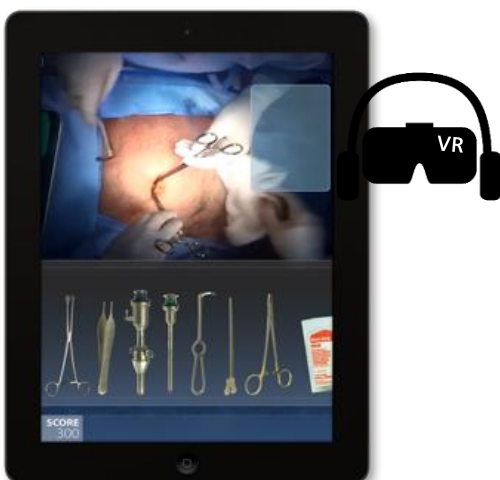
Worldwide, OR managers are facing the dilemma of an increasing shortage of skilled staff. In average, experienced OR nurses are leaving their jobs and the healthcare industry altogether faster than they can be replaced. Training a new perioperative nurse takes more than 1,000 hours, about \$50,000<sup>1)</sup>, and an average of 6 months.<sup>2)</sup>

Simulation training can prove to be a cost-effective, safe, and purposeful education solution – improving quality standards in the OR with standardized training.

[siemens-healthineers.com/virtual-education-solution-for-artis-systems](https://www.siemens-healthineers.com/virtual-education-solution-for-artis-systems)

PeriopSim is an application that helps the operating room team to learn instrumentation and procedures safely, independently, and in a personalized environment before going into the OR.

- **Reduce stress through practicing unfamiliar surgeries** using a tablet application for mobile, self-directed learning
- **Reduce costs for attaining and maintaining staff competency** with a Virtual Reality app featuring a life-size operating room and a realistic learning experience
- **Speed up onboarding** with an Educator portal for managing learners, tracking assignments, and spotting learning problems



*“As a surgeon, I rely on my surgical team being well prepared for every surgery. PeriopSim means clinicians can practice safely before surgery, which means a more efficient surgical team and better patient outcomes.”*

**Dr. James Bond**  
Head of Thoracic Surgery,  
Surrey Memorial Hospital & Fraser Health, UK

1) Value derived based on salary data and from AORN ROI calculator available from: [https://www.aorn.org/-/media/aorn/education/facility-solutions/p101-redesign-082017/pdfs\\_and\\_content/periop-orientation-resources-and-tools.zip?la=en&hash=4DD2376DA789A625D75B4637F1DBEBF3](https://www.aorn.org/-/media/aorn/education/facility-solutions/p101-redesign-082017/pdfs_and_content/periop-orientation-resources-and-tools.zip?la=en&hash=4DD2376DA789A625D75B4637F1DBEBF3)  
2) [https://www.aorn.org/-/media/aorn/guidelines/position-statements/posstat\\_orientation\\_2018.pdf](https://www.aorn.org/-/media/aorn/guidelines/position-statements/posstat_orientation_2018.pdf)

# Accelerate the technical competencies of scrub nurses and certified surgical technologists

## Realistic, immersive learning with PeriopSim



- Life-size ORs with realistic room layouts and instrument sizes
- Video of real surgeries and voice narration
- Guided through procedures step by step and prompted for instruments
- Individual performance scores

## Manage trainings and track progress with the PeriopSim Educator portal



- Create, manage and track your cohorts of learners
- Assign simulation work to users
- Track completion of assignments
- Review learner competency
- Use leaderboards for some friendly competition
- Export learner data for competence tracking

## Education modules for training on instrument sets, procedures, and sterile processing

<p><b>General Surgery</b></p> <p>Common Basic</p> <p>Laparotomy</p> <p>Open Inguinal Hernia</p> <p>Laparoscopic Cholecystectomy</p>	<p><b>Orthopedics</b></p> <p>Major Bone</p> <p>Minor Bone</p> <p>Bipolar Hip</p> <p>Hip Nail</p>	<p><b>Neurosurgery</b></p> <p>Basic C</p> <p>Neurosurgery</p> <p>Craniotomy Trauma</p> <p>Burr Hole</p> <p>Transsphenoidal</p>
<p><b>Cardio Thoracic</b></p> <p>Major Chest A and B</p> <p>Thoracoscopy</p> <p>Scanlan</p> <p>Thoramet</p>	<p><b>In progress</b></p> <p>Hemicolectomy</p> <p>Open Laparotomy</p> <p>Thoracoscopy</p> <p>Pediatric Cardiac</p> <p>EVAR/TVAR/TAVR</p> <p>Knee, Ankle</p>	<p><b>Collaborators required</b></p> <p>TRAUMA</p> <p>ROBOTICS</p> <p>OBSTETRICS</p> <p>GYNECOLOGY</p>

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