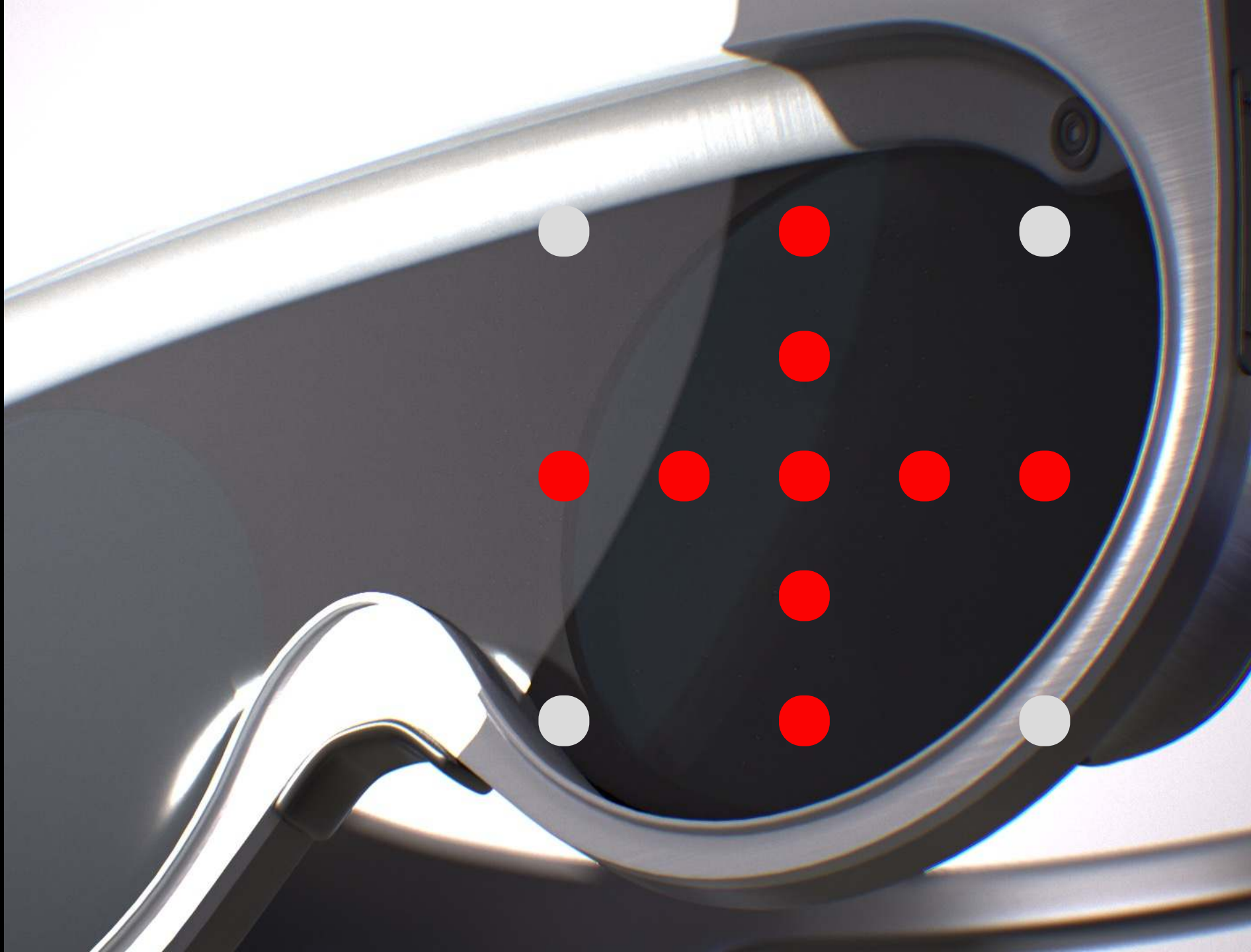




**INSELPITAL -  
UNIVERSITÄTSSPITAL BERN**

One of the six hospitals of the Insel Group -  
Switzerland's leading full-service medical  
care system.

ACCELERATING THE WORLD'S  
TRANSITION TO MEDICAL XR TRAINING.



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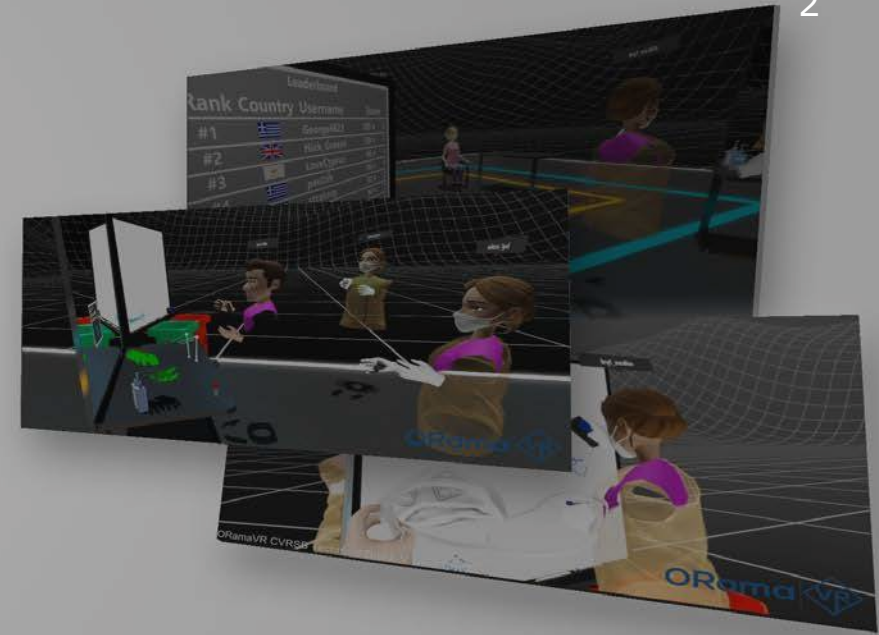


Nasopharyngeal Swab Taking in Virtual Reality



“VR is the Future of medical education, and we are pushing further the limits with ORamaVR and MAGES SDK!”

Prof. Thomas Sauter,  
Emergency Telemedicine, University of Bern,  
Switzerland



## THE CHALLENGE



Effective Nasopharyngeal Swab Taking Training.

- **Effective** and **riskless** medical training.
- Resume training with strict social **distancing** measures.
- Conform with world-standard **hygiene protocols**.

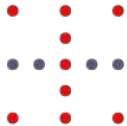
## THE SOLUTION



COVID-19 XR Simulation: Nasopharyngeal Swab, Hand Hygiene & Personal Protective Equipment (PPE).

- A **hardware-agnostic, collaborative** training simulation made with **MAGES SDK**.
- Detailed **analytics** that inspect user **errors** and overall **progress**.
- **Immersive, engaging** experience for skill transfer from virtual to real world.

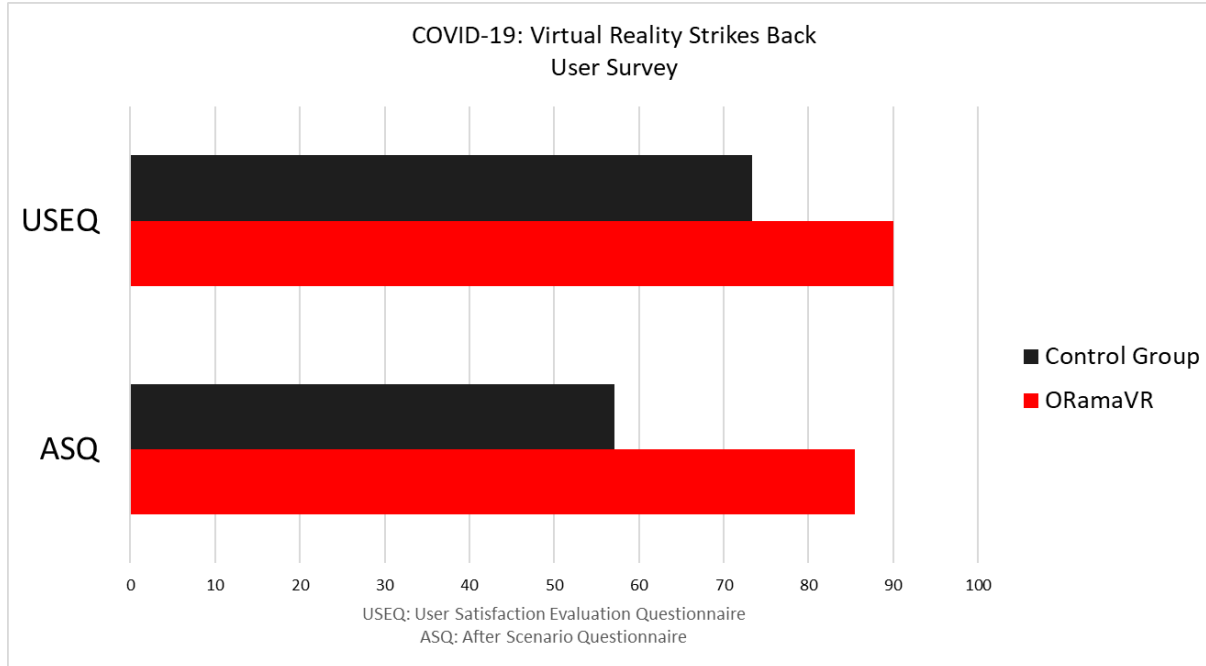
## THE INNOVATION



Enhancing Learning Experience.

- 16% improvement in sensorimotor performance.
- Increased **user satisfaction** via **gamification**.
- Clinical Trial: "[Enhancing COVID-19 Diagnostics with VR](#)".





### **VR Training Boosts COVID-19 Diagnostics with Nasopharyngeal Swab Performance.**

A VR-based Nasopharyngeal Swab Taking training program led to a significant **16% improvement** in **sensorimotor** skills, increased satisfaction, and enhanced usability among 29 students. Participants expressed higher satisfaction levels with the training, and those trained in VR reported **positive feedback** regarding emotional **engagement** and **immersion**.

### **VR Enhances COVID-19 Diagnostics Education.**

Participants found VR training **comfortable** and **engaging**, with strong **presence** and **immersion**. Workload ratings were similar for both VR and non-VR groups. The survey affirms VR's effectiveness in improving COVID-19 diagnostics education.

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	ORamaVR	Competition
Distribution & Licensing	ORamaVR Launcher	Competition's Distribution Hub
Admin Overview	ORamaVR Portal	Competition's Dashboard
Analytics	Errors, Critical Errors, Warnings, Score per action, Total score, Time per action/module	Pass/Fail Results, Elapsed time per step/module, Total number of steps passed
Multiplayer	✓	✓
Hardware Agnostic	PC (Windows, MacOS), iOS, Android, Universal XR (Quest, Vive, Pico), Magic Leap, Hololens, Apple Vision Pro  Collaborate seamlessly across diverse devices in a shared XR environment.	PC, Quest, Focus 3
XR App Client Ownership	✓	✗
Extend/Modify/Update the Final XR App	Free  Includes 1-year MAGES SDK for professionals subscription	✗
Marketplace	<u><a href="#">MAGES APP</a></u> Free listing with shared revenue agreement	✗



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