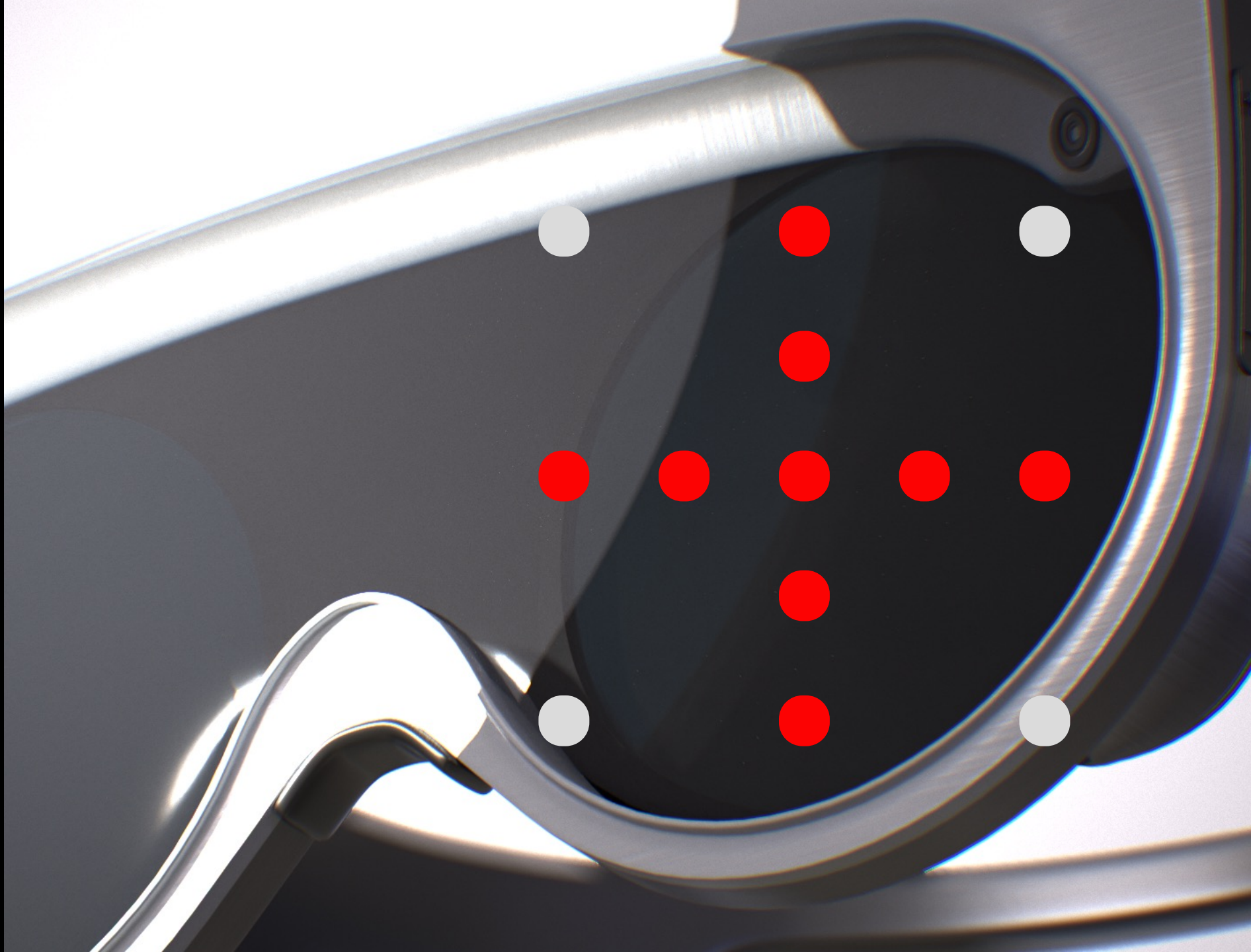




## **INSELPITAL - UNIVERSITÄTSSPITAL BERN**

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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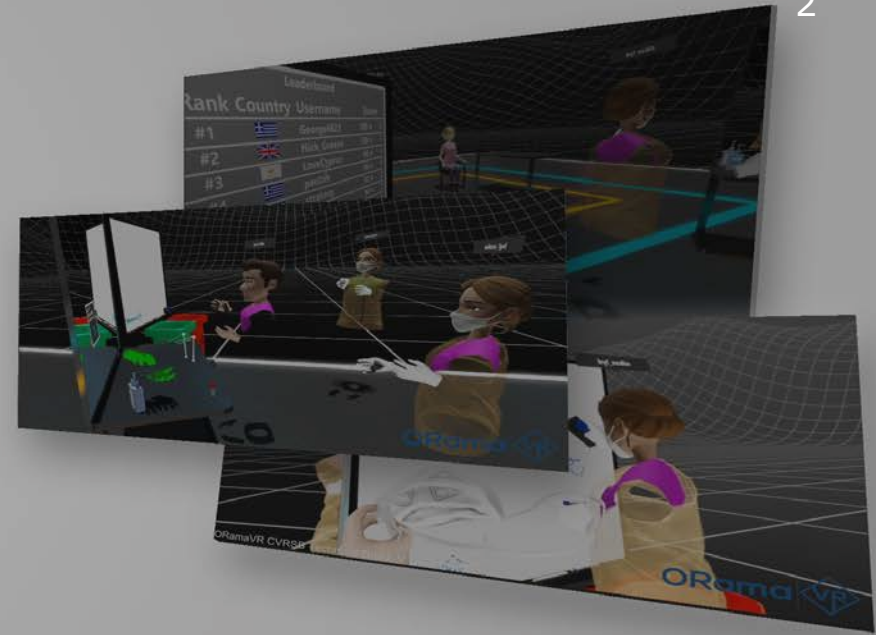


Nasopharyngeal Swab Taking in Virtual Reality

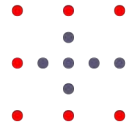


“VR is the Future of medical education, and we are pushing further the limits with ORamaVR and MAGES SDK!”

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



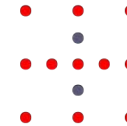
## THE CHALLENGE



Effective Nasopharyngeal Swab Taking Training.

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

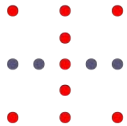
## THE SOLUTION



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



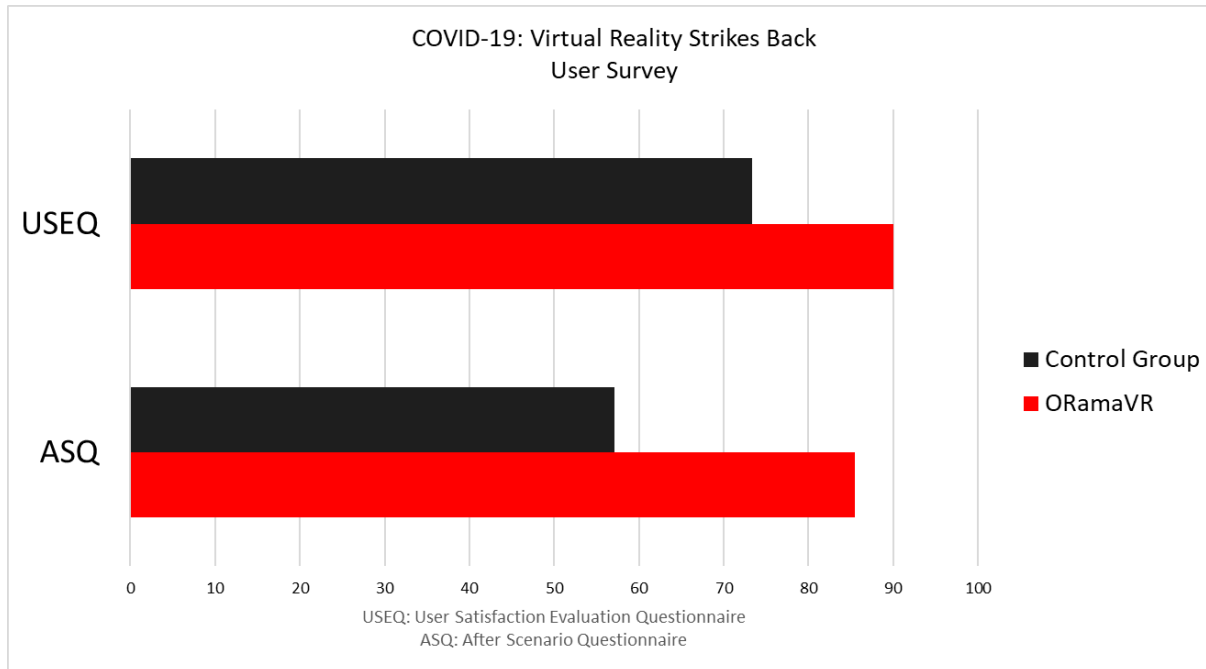
Enhancing Learning Experience.

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

[VIDEO](#) →



Designed in Switzerland



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

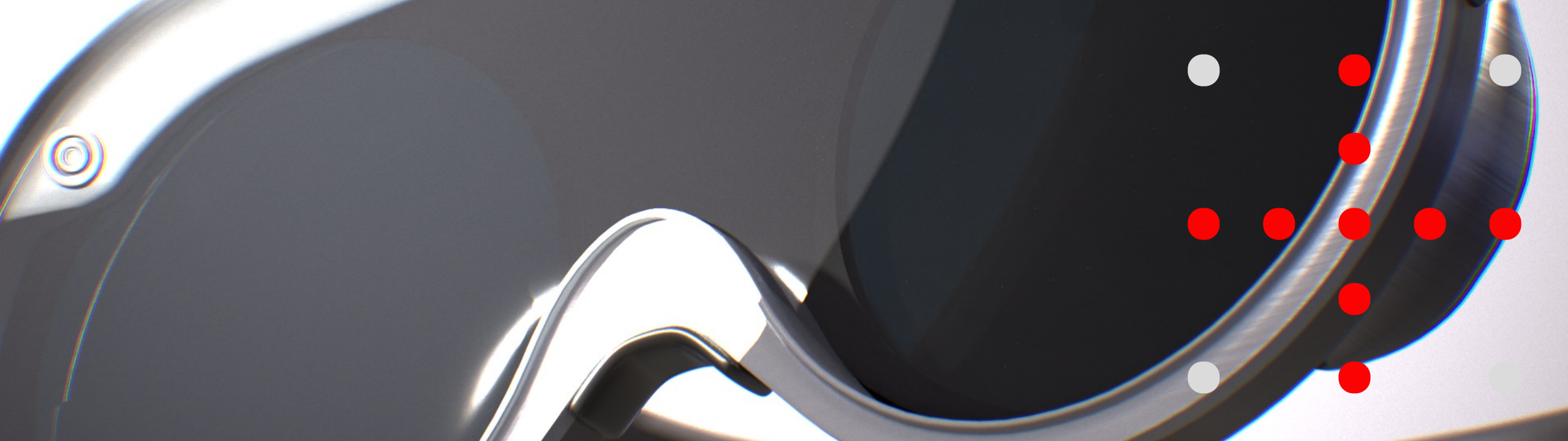
A VR-based Nasopharyngeal Swab Taking training program led to a significant **16% improvement** in **sensorimotor** skills, increased satisfaction, and enhanced usability among 29 students. Participants expressed higher satisfaction levels with the training, and those trained in VR reported **positive 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<br><br>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<br><br>Includes 1-year MAGES SDK for professionals subscription   | ✗   |
| Marketplace                           | <u><a href="#">MAGES APP</a></u><br>Free listing with shared revenue agreement   | ✗   |



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