



RoT STUDIO

Realization of Things



Ophthalmic Surgery VR Training Simulator

3 Independent Modules: Corneal Transplant, Glaucoma Surgery, Strabismus Surgery

Our Ophthalmic Surgery VR Training Simulator is designed to improve the skills of residents and medical students in ophthalmic surgery processes and enable them to practice without the risk of real patients. The Ophthalmic VR Training Simulator, which offers a realistic environment with virtual reality technology and increases the sense of reality with the support of haptic devices, aims to provide experience and development in corneal transplantation, glaucoma, and strabismus surgical procedures.

VR'S Benefits in Ophthalmic Surgery Training?

- ✓ **Minimum Risk:** Practice safely in a virtual environment before working on real patients
- ✓ **Realistic Experience:** Real operational feel with virtual reality and physical feedback
- ✓ **Skills Development:** Specialization in hand-eye coordination, surgical techniques and emergency interventions
- ✓ **Cost and Time Savings:** Accelerates the learning process with repeated trainings, reduces the need for physical materials while gaining a permanent place in long-term memory

Key Features

Pre/Post Surgery
Modules



User Friendly
Interface



Haptics
Supported



Easily
Portable



Why RoT STUDIO Ophthalmic Surgery VR Training Simulator?

- ✓ Simulations that accurately reflect real operating conditions
- ✓ Full compatibility with XR heads and surgical equipment
- ✓ Interface with easy installation
- ✓ Virtual reality and haptics-based education
- ✓ Eye surgery training in a safe and controllable environment

Application Fields



Medical
Faculties



Hospitals



Surgery Training
Centers



Ministry of
Health



Medical R&D
Organizations



Ophthalmology
Associations



VISIT OUR WEBSITE

+31 6 1116 0980

Eindhoven/NETHERLANDS

www.rothealthcare.com

info@rotstudio.com



FOLLOW US