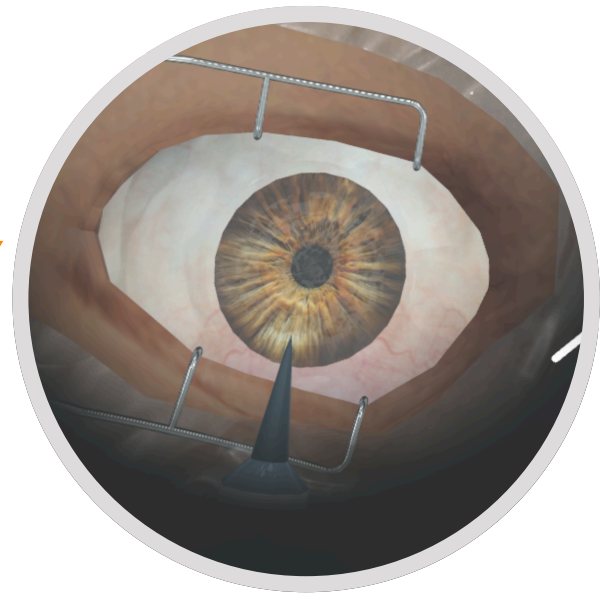


OPHTHALMOLOGY SIMULATOR

VIRTUAL REALITY AND HAPTICS SUPPORTED EYE SURGERY TRAINING



Our Ophthalmology Simulator is designed to improve the skills of residents and medical students in eye surgery processes and enable them to practice without the risk of real patients. The Ophthalmology 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 and glaucoma surgical procedures.

VR'S BENEFITS IN OPTHALMOLOGY 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

**Simple
Portability**



**Real Time
Feedback**



**Corneal Transplant and
Glaucoma Surgery Scenarios**



**User Friendly
Interface**



WHY RoT STUDIO OPTHALMOLOGY 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



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