

Evaluation of Head-Mounted Spatial Computing and Three-Dimensional (3D) Visualization in Ocular Microsurgery: A Safety and Workflow Study

NCT07301385

Status	RECRUITING
Phase	Not Applicable
Sponsor	Sharp HealthCare
Enrollment	30 participants

Key Eligibility Criteria

Inclusion (3)

- Adults aged 18 years or older
- Scheduled to undergo elective anterior segment eye surgery, including: cataract surgery, pterygium excision, corneal epithelial polishing
- Able and willing to provide informed consent prior to participation.

Exclusion (6)

- Complex ocular pathology that could interfere with surgical visualization or increase procedural risk, including but not limited to:
- Lens zonular instability or phacodonesis
- Prior vitreoretinal surgery (e.g., vitrectomy, scleral buckle, glaucoma drainage device) in the operative eye
- Significant corneal scarring, opacity, or edema
- Active ocular surface inflammation or infection
- ... and 1 more (see full listing online)

Locations (1 total)

Sharp Otay Lakes Surgery Center, San Diego, California, United States