

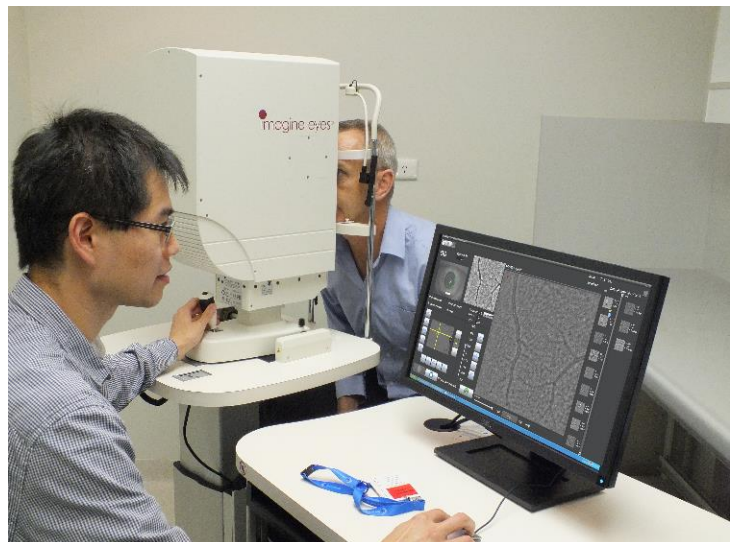
Imagine Eyes is the leading pioneer in ultrahigh-resolution retinal imaging. With our devices, ophthalmologists examine patients' retinas at the cellular level. We offer highly sensitive biomarkers of retinal diseases for clinical research studies and therapy trials.

Accelerate new therapy developments

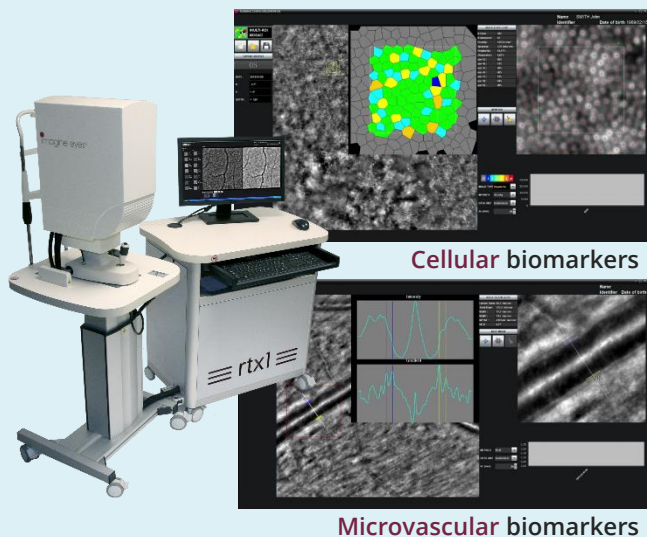
Imagine Eyes proposes to accelerate and streamline the clinical development of new retinal therapies through the implementation of superior biomarkers derived from adaptive optics (AO) retinal imaging.

Expected benefits

- **Five times faster evaluation of efficacy** compared to other retinal imaging modalities such as OCT or AF-SLO.
- **Improved selection of trial patients** through deep and early phenotyping at the cellular level.
- **Ultrasensitive detection of potential side effects** including photoreceptor damage and vascular inflammation.



rtx1™ Adaptive Optics Retinal Camera



Key figures & customer references

- Team: **20** experts in ophthalmic imaging
- Latest funding: **€4.9m** (European Commission)
- rtx1 image resolution: **3 μm**
- rtx1 acquisition time: **2 secs**
- Adopted by **100+** clinical centers in **20** countries
- Proven by **250+** peer-reviewed publications



Turnkey implementation

Imagine Eyes has supported dozens of clinical studies using rtx1 AO retinal cameras. Based on this experience, we offer all the services required for a successful implementation of AO biomarkers in studies and trials of various phases.

Evidence from published studies

Clinical studies using rtx1 have demonstrated the detection of disease progression in less than 1 month in dry AMD^[1] and less than 6 months in retinitis pigmentosa^[2]. In therapeutic studies, rtx1 has allowed investigators to assess the stability of transplanted stem cells in wet AMD^[3], assess early inflammatory response^[4] and demonstrate short-term photoreceptor rescue^[5] after gene therapy.

Contacts

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[1] Gocho et al., *IOVS*, 2013, DOI: 10.1167/iovs.12-10672

[2] Roshandel et al., *TVST*, 2021, DOI: 10.1167/tvst.10.14.11

[3] Takagi et al., *Ophthalmol Ret*, 2019, DOI: 10.1016/j.oret.2019.04.021

[4] Kortuem et al. *Acta Ophthalmol*, 2023, DOI: 10.1111/aos.15765

[5] Kortuem et al. *Acta Ophthalmol*, 2021, DOI: 10.1111/aos.14990