

# Can eye drops safely replace reading glasses in older adults?

ACTRN12624000383561

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Status	RECRUITING
Phase	Phase 4
Sponsor	The University of Auckland
Enrollment	24 participants

## Plain Language Summary

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Almost everyone develops presbyopia — the gradual loss of near vision — in middle age, making reading glasses a near-universal experience after your 40s. A new prescription eye drop called Vuity (pilocarpine 1.25%) has emerged as a non-surgical treatment that temporarily improves close-up vision. However, its long-term safety on the back of the eye has not been adequately studied.

This Phase 4 study at the University of Auckland will track participants using Vuity eye drops over an extended period to check whether the drops affect the retina (the light-sensing layer at the back of the eye) and the choroid (the blood vessel layer beneath it). Researchers will measure layer thickness, blood flow, and electrical activity of the retina.

You may be eligible if you are aged 40–55, wear glasses or contact lenses only for reading (not for distance), and are otherwise in good eye health. You would not be eligible if you have certain eye conditions, take medications that interact with the drops, are pregnant or planning to become pregnant, or have significant astigmatism.

## Key Eligibility Criteria

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### Inclusion (1)

- Healthy adults who only wear optical correction (glasses and/or contact lenses) for presbyopia correction, and are willing and able to provide written informed consent for study participation.

### Exclusion (17)

- Medical conditions
- Uncontrolled systemic disease or clinically significant disease state in any body system that, in the opinion of the investigator, could have affected the safety of the individual or interpretation of endpoint measures
- History of ocular pathology or intraocular surgery that, in the opinion of the investigator, could have affected the safety of the individual or interpretation of endpoint measures
- Contraindications for Vuity eye drops
- Known allergy or sensitivity to pilocarpine, other components in Vuity eye drops, or other cholinergic agonist medications
- ... and 12 more (see full listing online)

## Locations (1 total)

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Auckland, New Zealand

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<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12624000383561>

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