

Invitation to participate in Research

Characteristic Changes of Visual Functions using Atropine Eye Drops

Researchers at UNSW are conducting a study to evaluate the effect of using 0.05% atropine eye-drop on our ability to discriminate objects' motions, contrast, and color at low light levels in subjects with shortsightedness (myopia). The atropine eye drop is known as an effective treatment to stop myopia progression.

To be suitable for this research study you must:

- ✓ Be between 18-35 years with good general and eye health.
- ✓ Do not have any known allergy to atropine drops.
- ✓ Have a prescription between -0.50 and -4.00D, with less than -1.50D of astigmatism.
- ✓ Have not used atropine eye drops within the last 2 weeks.
- ✓ Have no history or risk of glaucoma.
- ✓ Are not currently using any eye medications or anti-depression medication.
- ✓ Have 'normal' vision, measuring 6/7.5 or better with correction.
- ✓ Willing to attend two study visits.
- ✓ Have a normal colour vision.



What will happen if you decide to participate?

- If you decide to take part, you will be screened for eligibility to participate in this study. This visit involves asking a few questions about your general health history, checking your vision, health of your eye, and eye pressure. This will take approximately 20 minutes.
- If eligible, you will be fitted with a single vision soft contact lens and then various eye-related tests will be performed at the same visit including measuring your vision at distance and near, objective refraction centrally and periphery, pupil reactions, and computer-based visual tasks measuring your ability to detect objects' motion with different colours and contrast. This will take around 1 hour and 40 minutes.
- You will then be asked to return for the final visit, where a drop of 0.05% atropine will be placed in both eyes. The same evaluations as at the visit one will be conducted 30 minutes after drop use. This visit will last around 1 hour and 22 minutes.

Will I be paid to take part in the research study?

You will be reimbursed with a \$20 Coles gift card at the end of each study visit (a total of \$40) to compensate for your time and travel cost associated with attending the visits.

Who do I contact if I want more information or want to take part in the study?

If you would like to take part in the study, please contact the **Study investigator**

Name	Eman Alzghoul
Telephone	+ 612 93854750
Email	e.alzghoul@unsw.edu.au

A full prescription of all research activities, including any risks, harm, or discomfort that you may experience while participating in this research will be in the attached Participant Information Statement and Consent Form

If you have questions about the research, please contact the **Chief Investigator**:

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