

## Characteristic Changes of Visual Functions using Multifocal Contact Lens

Researchers at University of New South Wales -Sydney (UNSW) are seeking volunteer research participants to understand the impact of using multifocal contact lenses (MFCL) on our ability to discriminate object's motion, contrast, and color at low light levels among the myopic population. MFCL is known as an effective treatment to stop myopia progression.

### This study might be a good fit for you if you:

- Aged between 18-35 years old with good general health.
- Have a 'normal' vision, measuring 6/7.5 or better with correction.
- Are an experienced soft contact lens wearer, or willing to wear a soft contact lens.
- Have a prescription between -0.50 and -4.00D, with less than -1.50D of astigmatism.
- Have not previously used rigid contact lenses.
- Have not had eye surgery.
- Have good ocular health with no eye pathology, allergies, infections, or active ocular surface disease.
- Are willing to attend two study visits
- Have normal colour vision.



### What would happen if I took part in this research study?

- If you decide to take part, you will be asked to attend the first screening visit at the UNSW Optometry Clinic to check your eligibility to participate in this study. This visit involves asking a few questions about your general health history, checking your vision, and the health of your eye. 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 approximately one hour and 40 minutes.
- You will be asked to return for a final visit. In this visit, you will be first fitted with a daily disposable soft MFCL and after 15 minutes, the same measurements as during the baseline will be taken again. Then one drop of atropine will be installed and the same measurements will be repeated. In between these times, you will be free to leave the clinic. This visit will take approximately 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 session (a total of \$60) 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 more information or are interested in being part of the study, please contact the **Study investigator**, and if you have questions about the research, please contact the **Chief Investigator**:

	<b>Study Investigator</b>	<b>Chief Investigator</b>
<b>Name</b>	Eman Alzghoul	A/Prof. Sieu Khuu
<b>Position</b>	PhD Student	Associate professor/ Chief investigator
<b>Telephone</b>	+ 612 93854750	+61 2 93859816
<b>Email</b>	e.alzghoul@unsw.edu.au	s.khuu@unsw.edu.au