



Australia's
Global
University

ROLE OF PUPILLARY RESPONSES IN MYOPIA ONSET AND PROGRESSION



BHVI

SCHOOL OF OPTOMETRY AND VISION SCIENCE

Researchers at UNSW Sydney (The University of New South Wales) and The Brien Holden Vision Institute are seeking volunteer research participants to learn about the effects of blur on the length of the eyeball.

Would the research study be a good fit for me?

The study might be a good fit for you if:

- Age between 18 – 35 years.
- No ocular disease or history of ocular injury.
- Best corrected visual acuity of 20/20 or better in each eye, short sighted (myopic spherical equivalent between 0.50 to 6D)
- Normal systemic health and not on any medications which may influence ocular health
- No prior refractive surgery;
- No ocular or systemic medications that may affect the pupillary response;
- No history of amblyopia (lazy eye) or strabismus (eye not looking straight)
- Able to read and comprehend English
- Can be an experienced soft contact lens wearer or no prior contact lens wear experience.

You will not be eligible for inclusion in the study if you:

- Eye diseases such as oculomotor nerve palsies, glaucoma, amblyopia and binocular vision anomalies like nystagmus, strabismus which may affect the accommodation or cognition.
- Aged 36 years or older and younger than 18 years
- Presence of astigmatism >1.00 DC
- History of any systemic diseases including diabetes, hypertension, cardiac problems etc
- History of any refractive or ocular surgeries
- History of any other ocular pathology
- Intra ocular pressure \geq 21 mm of Hg (which would be determined by research team)
- Ocular hypertension or glaucoma in either eye

What would happen if I took part in the research study?

If you decide to take part, we will screen your eyes in the clinic to check for suitability. If you are suitable, you will be invited to our clinic, where we will measure the pupil and accommodative response of your eyes to near visual tasks with your habitual correction (soft contact lenses), myopia control lenses (contact lenses and spectacles) under ambient light and blue light illumination. Screening process takes approximately 30 to 45 minutes, and three visits are required to complete the study. Data collection will take 30 to 45 minutes per visit.

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

You will be provided with a \$50 voucher at the end of each visit.

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 us via email or phone

Name: Ms. Nakka Geetha Sravani – Investigating optometrist
Dr. Padmaja Sankaridurg – Chief Investigator (p.sankaridurg@bhvi.org)

Email: g.sravani@bhvi.org

Phone: +61422696895

Website: <http://www.bhvi.org>