

Invitation to Participate in Research



Role of near vision behaviour in the myopia progression among children (Phase 2)

Researchers at UNSW are seeking participants for a project to quantify near vision behaviour (NVB) in myopic children undergoing any form of treatment for controlling myopia progression and to establish the association between NVB and changes in the eye power, eye length and choroidal (tissue at the back of the eye) thickness.

Would the research study be a good fit for me?

The study might be a good fit for your child if your child:

- Aged 6 to 14 years old.
- Has short-sightedness greater than between -0.50 D.
- Has best corrected vision 0.1 LogMAR or better than in each eye.
- Willing to undergo myopia control treatment at the UNSW Optometry Clinic.
- Has no history of eye turn (strabismus) or lazy eye (amblyopia)
- Has good ocular and general health.
- Is not using any form of myopia control treatment.



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

If your child decides to take part, they will be:

- Attending three study visits – baseline visit (screening tests and baseline measurements), first 6 months and second 6 months during the myopia control treatment at the UNSW Optometry clinic. The baseline visit is not required if your child is continuing their participation from the previous phase of the study.
- Screened for eligibility. This will involve a screening test (60 mins) measuring their vision, power of their eyes, ocular health checkup and eye length measurement.
- If they are eligible for this study, they have to undergo an additional test (5 mins) to measure choroidal (tissue at the back of the eye) thickness. This will complete the baseline visit. This measurement does not carry any risks as it is non-invasive and does not involve any contact between the instrument and eyes.
- At the end of the baseline visit, they will be provided the Vivior, a clip-on sensor device attached to the right side of a spectacle frame (as shown in the above picture). They will be asked to wear the device for 8 days to measure NVB in their habitual environment (home, school, outdoor).
- Following the baseline visit, your child will be referred back to the UNSW Optometry clinic to initiate myopia control treatment as recommended by the Optometry clinic.
- They will be asked to come for two follow-up visits, one during the first 6 months and the next during the second 6 months of treatment which is a normal protocol for any myopic children undergoing myopia control treatment at the UNSW Optometry clinic. During these visits, they will be again asked to wear Vivior for 8 days.
- They have to wear the Vivior for a total of 24 days (8 days at baseline, 8 days during the first 6 months and 8 days during the second 6 months of treatment).
- You will be requested to complete an online questionnaire relating to your child's NVB on days 0, 4 and 8 of Vivior wear for all three study visits.
- A postage bag will be provided to you to post the Vivior back to us at the end of the 8 days of Vivior use for all three study visits.

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

If your child is newly recruited for this study, your child will be rewarded with a total of \$300 (3 x \$100) Coles gift vouchers at the end of all three study visits to compensate for the time involved in the Vivior use. If your child continues their participation from the previous phase of this study, they will be rewarded with \$200 (2 x \$100) Coles gift vouchers at the end of two study visits to compensate for the time involved in the Vivior use. Please note your child will receive only a \$25 Coles gift voucher if they failed to meet the study inclusion criteria during the screening test.

If you would like more information or are interested in being part of the study, please contact the following persons:

Name: Samrat Sarkar

Position: Student Investigator (PhD Candidate)

Email: Samrat.sarkar@unsw.edu.au

Phone: +61436310324

Name: Pauline Kang

Position: Senior Lecturer & Chief Investigator

Email: p.kang@unsw.edu.au

Phone: +61 (2) 9065 6112

Name: Sieu Khuu

Position: Associate Professor & Co-Investigator

Email: s.khuu@unsw.edu.au

Phone: +61 (2) 9385 9816