

Study for the development of new non-invasive methods for monitoring intracranial pressure using observation of the ocular retinal veins and optic disk.

ACTRN12609000325202

Status RECRUITING
Sponsor Sir Charles gairdner Hospital
Enrollment 15 participants

Plain Language Summary

This study is developing a new, safer way to measure the pressure of the fluid around the brain (intracranial pressure). Currently, measuring this pressure requires a tube placed directly into the brain, which carries risks. Researchers are exploring whether looking at the veins and optic nerve at the back of the eye using a camera could give accurate readings instead, without any invasive procedures.

You may be eligible if:

- You are 18 years or older
- You already have an intracranial pressure monitor in place as part of your treatment
- You are conscious and able to give informed consent

You may NOT be eligible if:

- You cannot sit upright
- You cannot tolerate eye drops that dilate the pupil (mydriatic drops)

Talk to your doctor about whether this trial might be right for you.

Key Eligibility Criteria

Inclusion (1)

- subjects who have intracranial pressure monitors in place who are conscious and able to provide informed consent.

Exclusion (2)

- subjects who cannot sit up.
- subjects who cannot tolerate mydriatic eye drops.

Locations (1 total)

Australia