THE UNIVERSITY OF QUEENSLAND
AUSTRALIA

CREATE CHANGE

Assessment of brain connectivity after Acquired Brain Injury

After a brain injury, the communication between different regions of the brain (often called brain connectivity) can either slow down or fail.

This study is investigating brain connectivity in children, adolescents and young adults recovering from an acquired brain injury (ABI).

Participants will be assessed using three different and safe methods:

- Magnetic Resonance Imaging (MRI)
- Electroencephalography (EEG)
- Functional near infrared spectroscopy (fNIRS)

We will also assess attention, memory, problem solving skills and quality of life using guided questionnaires.

This study will take place at the Centre for Children's Health Research in South Brisbane, with the MRI procedure being conducted at the Herston Imaging Research Facility. All assessments and procedures will be completed in a 1-day visit.

Who is eligible to participate?

- Children, adolescents and young adults aged 8-18 years who received a diagnosis of ABI at least 12 months ago
- Do not suffer from frequent, uncontrolled seizures
- Have no history of significant medical or psychiatric disorders before injury (excluding ADHD)

To learn more about the study or to see if you/your child is eligible, please contact Jonathan Ho

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