



Ingham Institute
Applied Medical Research

**A stroke can be devastating
and life-altering**

We have effective treatments...
...if you get them in time

Will you help ensure everyone,
everywhere, has access to timely
stroke treatment regardless of where
they live, their income or culture?



We actually have effective treatments, but we've got problems with timely access.



Professor Mark Parsons

A stroke can happen to **any one of us**. 40% of strokes occur in people under the age of 50, including children as young as 13.

If treatment is administered within the first hour after the stroke – **the Golden Hour** – the outcome for the patient is substantially improved and they may fully recover.

The Smart Stroke Ambulance Project is designed to identify patients with the worst kind of stroke, called a large vessel occlusion, to enable treatment to commence within 60 to 90 minutes of onset.

Paramedics in Smart Stroke Ambulances have access to technology which helps them diagnose the type of stroke. If identified as a potential large vessel occlusion stroke, they communicate directly with the closest available stroke team.

Once the patient has arrived, the stroke team will confirm the diagnosis and commence treatment.

The shortest time to treatment is critical in achieving the best outcome for the patient.

One of the aims of Stroke Research at Ingham Institute is to improve stroke identification before hospital admission to reduce the time to treatment.



Professor Mark Parsons



Brian had a catastrophic stroke while driving. Within hours he was awake and making jokes.

Brian experienced a catastrophic stroke whilst driving on his way home to regional NSW. Fortunately for him, his wife was there to call the ambulance.

Even more fortunately, the ambulance that attended was part of the Smart Stroke Ambulance Project.

The paramedic used an app to diagnose a potential large vessel occlusion stroke and make the time critical call ahead for further intervention.

Thanks to the Smart Stroke Ambulance project Brian was treated with intravenous clot-dissolving drugs within the Golden Hour.



Brian and his wife

"The speed of treatment was definitely the key. To see him not getting his words out and slurring. He couldn't lift an arm or his leg, couldn't put pressure on his foot, all that sort of stuff, to just come around in half an hour to completely different, was just amazing to see," said Bev* Brian's wife.



One of our main goals is to ensure access to the best stroke treatment for all patients wherever they live and whatever their circumstances.

You can help save lives and prevent the devastating damage of strokes

By supporting the Sydney Brain Centre at Ingham Institute, you are supporting research to develop new treatments for stroke and programs for stroke prevention.

Key initiatives

- Improving stroke identification and pre-hospital treatments, to save more lives
- Developing new brain imaging tools to support stroke diagnosis and treatment
- Identifying stroke risk factors, causes and outcomes for First Nations and Pacific Islander stroke survivors
- Exploring the use of a safe and widely available anti-inflammatory drug to reduce vascular inflammation responsible for stroke recurrence and cognitive decline

Stroke can affect anyone of any age at any time. It may even happen to you or a loved one.

We work with local communities in South Western Sydney to improve clinical practices for the diagnosis and treatment of stroke. This work has already changed clinical practice around the world.

Please join us to inspire better health and transform the treatment and care of people living with the most prevalent medical conditions and diseases.

For more information or should you wish to personally discuss your giving priorities or philanthropic partnership opportunities please contact our Philanthropy team at **giving@inghaminstitute.org.au** or call **+61 2 8738 9000**.



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