



**Ingham Institute**  
Applied Medical Research

**You survived a heart attack.**

**But your heart  
is damaged forever**

*Will you help*  
**prevent and repair  
damaged hearts?**

Research that has local purpose, national significance and global impact.

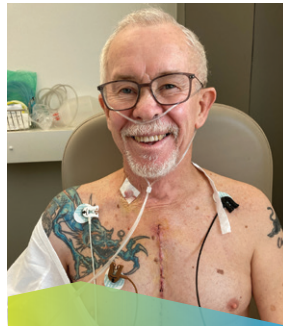
## Glenn had a massive heart attack – but his heart is as strong as ever

When Glenn had his heart attack, he was fortunate to be put under the care of Professor Kazuaki Negishi. Professor Negishi is a world-leading cardiologist and Chair, Cardiovascular Research Centre at Ingham Institute for Applied Medical Research.

Five of Glenn's arteries were blocked, and major surgery was necessary to save his life, but damage to his heart muscle could leave him with potential heart failure in the future.

Professor Negishi suggested Glenn participate in a trial he was conducting using ultrasound technology before and after surgery to break up the blockage and minimise damage to the heart muscle.

The technique is called sonoperfusion and uses ultrasound and microbubbles injected into the arteries. The machine causes the bubbles to vibrate which creates little holes in the blockage that get bigger and bigger allowing blood to flow.



*Glenn had five blocked arteries, but he's fighting fit now*



***"I am so lucky and stoked to have been given this treatment. It's just incredible I get to see my wife, children and grandchildren for many more years to come. Thank you, Professor Negishi," said a grateful Glenn.***



**Professor Kazuaki Negishi**  
Chair, Cardiovascular Research Centre

## No-one should have to choose between life-saving chemotherapy treatment or life-saving heart treatment

Breast cancer treatments can affect the heart, and many women develop life-threatening heart damage while undergoing chemotherapy.

Professor Kazuaki Negishi says, "The last thing a woman with breast cancer wants to be told, is that their chemotherapy has to be put on hold."

Vanessa faced this confronting choice.

She was being treated for an aggressive form of breast cancer "I was told that the cancer was inoperable and that the only way to tackle it was chemotherapy," Vanessa recalls. However, the chemotherapy caused a condition called cardiotoxicity which damaged Vanessa's heart. She was in an impossible situation.

She would die from heart failure if the chemotherapy continued, or she would die from cancer if the chemotherapy were stopped.

Professor Negishi had a solution.

He tweaked her heart medication, so she only missed one chemotherapy treatment.

It was enough for her heart to start to function again.



*Vanessa was in an impossible situation*

Vanessa says  
***"I'm incredibly grateful. I would not be here if it had not been for Dr Negishi."***

# You can help prevent and repair damaged hearts.

When you support cardiovascular research at Ingham Institute for Applied Medical Research, you are helping improve heart health for people in our community and around the world.

## Key initiatives

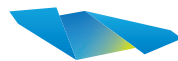
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- Early intervention for women with breast cancer who are undergoing chemotherapy
  - Specialised treatment to minimise heart damage due to chemotherapy while their cancer treatment continues
- Using ultrasound technology to help remove arterial blockages before and after heart surgery
  - Reduces the amount of heart muscle damage after a heart attack by 30%
- Identifying environmental factors that impact heart disease
  - Establishing a link between dangerously small particulate matter and cardiac arrest
  - The impact of extreme heat on the heart, which disproportionately affects people in lower socio-economic areas such as South Western Sydney

*You can help us* find new and innovative ways to prevent heart disease in our community and provide better treatments to minimise long-term heart damage.

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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](mailto:giving@inghaminstitute.org.au)** or call **+61 2 8738 9000**.



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