

## Fill in the blanks / word search on the history of cardiac surgery in New Zealand

25 minutes

Green Lane Hospital

1961

mid-1980

14 year

Stents for the treatment of coronary artery disease were introduced in \_\_\_\_\_.

In 1947 at \_\_\_\_\_, Rowan Nicks, Edwards Roche and Norbet Klein carried out the first angiogram.

The first graft to replace a damaged valve in New Zealand was performed at Green Lane Hospital on a \_\_\_\_\_ old patient.

The first pacemaker was implanted in \_\_\_\_\_.

Helen Arnold's 10-year-old heart was stopped for \_\_\_\_\_ in 1958 for the first open heart surgery using the bypass machine.

## Link the different heart disease with the symptoms explained

Fibrillation

Over a period of time, the shape and structure of the heart changes. The muscle can become stretched out or stiff. The heart cannot pump blood very well.

Heart Attack

Electrical signals are disrupted. Heart contractions become chaotic. The heart cannot generate enough pressure to pump blood.

Heart Failure

Coronary arteries have narrowed. Not enough blood can get through. Some of the heart muscle doesn't get oxygen or nutrients and becomes damaged.

## Now that you know more about the Cardiac New Zealand Story. Why do you think it took strong and innovative teams to be "Brave". Who were those team players?