

## Timeline

## Not just ads on primetime: art and science of public health campaigns

2:38 PM AEST

## University partnership success

2:36 PM AEST

## Uranium Resources &amp; New Discoveries

2:34 PM AEST

## A sprinkle of rain possible for Finke, Dry surge arriving in Top End on Wednesday

2:32 PM AEST

## Socially Responsible Investment Funds Fail to Inspire Firms to Improve

2:28 PM AEST

## Mood matters: New app empowers mums to manage mental wellbeing

2:26 PM AEST

## Customs at Forefront of Facilitating COVID-19 Vaccines and Essential Goods

2:26 PM AEST

## Site secured for Central Queensland hydrogen project

2:26 PM AEST

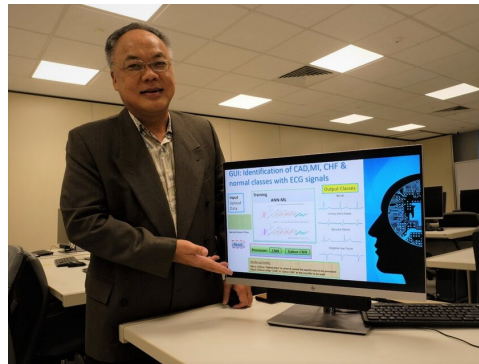
## 1 million more Pfizer doses to arrive in July

2:25 PM AEST

## Union secures commitment from

Science JUNE 8, 2021 2:08 PM AEST

## New artificial intelligence tool could speed up diagnosis of cardiovascular diseases



A team of researchers from Nanyang Technological University, Singapore (NTU Singapore), Ngee Ann Polytechnic, Singapore (NP), and the National Heart Centre Singapore (NHCS) have invented a tool that could speed up the diagnosis of cardiovascular diseases.

Powered by artificial intelligence (AI), their innovation uses electrocardiograms (ECGs) to identify coronary artery disease, myocardial infarction and congestive heart failure to an accuracy of more than 98.5 per cent.

The joint development of the diagnostic tool is timely, as the number of deaths caused by cardiovascular disease in Singapore has increased over the past three years. According to the Singapore Heart Foundation, 29.3 per cent of all deaths in Singapore in 2019, or almost a third of deaths in Singapore, was due to heart diseases or stroke.

The scientists hope that their innovation could support the diagnosis of cardiovascular disease in clinical settings, specifically while physicians carry out preliminary ECGs, ultimately leading to speedier courses of treatment.