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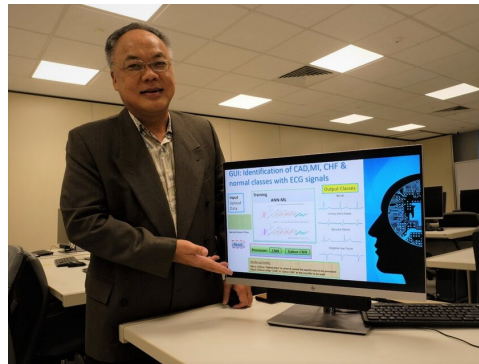
A team of researchers from Nanyang Technological University, Singapore (NTU Singapore), Ngee Ann Polytechnic, Singapore (NP), and the National Heart Centre Singapore (NHCS) have invented a tool that could speed up the diagnosis of card diseases.

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

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

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