Real time tracking of acute myocardial infarction patients

Zebra Technologies and Leiden University Medical Center (LUMC), the Netherlands announced the first commercial deployment of the 'Time tracking solution for acute myocardial infarction (AMI) patients'. The technology will be shared during the European Society for Cardiology Congress in London.

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According to the American Heart Association, heart disease is the number one cause of death globally, leading to 17.3 million fatalities annually, and that number is expected to rise to more than 23.6 million by 2030. AMI occurs when blood flow is blocked in the coronary artery. As a result, part of the heart muscle is short on oxygen (ischemia) and damaged.

LUMC's Cardiology Department set up the Door-To-Balloon (DTB) Task Force focused on ischemic time in heart infarction patients. DTB is the crucial period from when the patient enters the hospital to when the blockage is removed to restore blood flow by inflating a balloon during primary percutaneous coronary intervention (PCI). In order to reduce DTB time, real-time, accurate time tracking, evaluation and feedback is essential.

Prof Dr MJ Schalij PhD MD, head of Cardiology, Leiden University Medical Center, says, "Zebra's Time Tracking Solution for AMI patients allows us to track and evaluate door-to-balloon time in myocardial infarction patients. The system provides reliable, real-time feedback and helps us optimise the logistics chain in acute myocardial infarction care."

Zebra Technologies worked with LUMC to develop a solution powered by Zatar, Zebra's Internet of Things (IoT) platform to enable hospitals to track patients and provide real-time feedback on DTB time. The data provided allows all members of the

caregiving team, including cardiologists, ED physicians, nurses, EMS staff, technicians and administrators to focus on the reduction of DTB time.

Phil Gerskovich, senior VP, New Growth Platforms, Zebra Technologies, adds, "Our solution for AMI patients is focused on helping hospitals focus on providing greater attention and care to patients in urgent, time-sensitive use cases. We are excited about completing the Leiden pilot and moving to production to benefit even more patients."

For more information, go to www.zebra.com/possibilities.

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