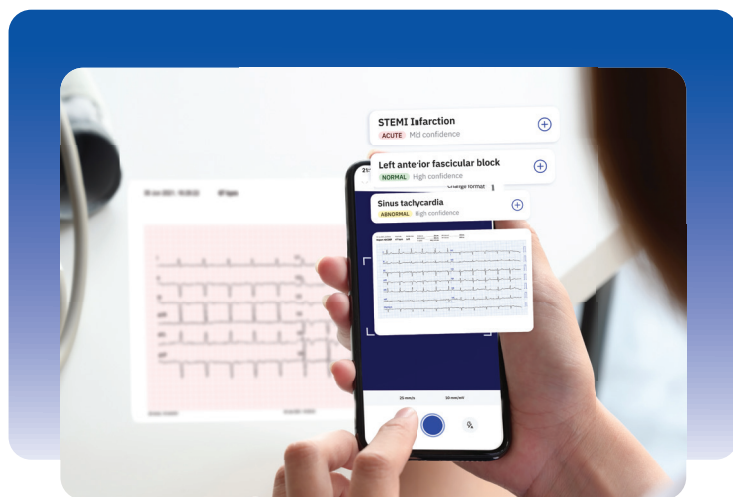


Optimising Patient Care through AI-Powered Medical Decision-Making: PMcardio launches in the UK



"I see the role of AI in assuring the best understanding of heart disease and enabling tailored treatment of individual patients. PMcardio can really contribute to saving lives and improving outcomes;"

Prof. Dr. Jozef Bartunek, PhD, Associate Director of the Cardiovascular Center in Aalst and visiting professor at the Leuven University

Artificial intelligence (AI) has been making waves in almost every industry, and the healthcare sector is no exception. AI has the potential to revolutionise the way medical professionals diagnose, treat, and prevent diseases. This includes the field of cardiology, where AI has already made a significant impact, providing a new level of accuracy and efficiency to the field.

The UK healthcare system is poised to receive a major boost with the launch of PMcardio, a cutting-edge AI-powered MDR-certified class IIb medical device. PMcardio is a smartphone application that provides healthcare professionals with the ability to diagnose and treat cardiovascular diseases with unmatched speed and accuracy.

PMcardio is a game changer in primary care, as it empowers general practitioners to improve their gatekeeping function for patient access to specialised care, such as cardiology. With this tool, GPs have the expertise of a cardiologist at their fingertips, ensuring timely and accurate referrals. This ultimately results in optimised patient outcomes.

Although intended mainly for primary, emergency and hospital care, the revolutionary ECG interpretation service plays a major role in unburdening cardiologists by reducing incorrect referrals and enabling them to treat patients that actually require specialist care. Integration of the medical device further helps identify high-risk patients, resulting in early and adequate treatment of patients suffering from critical conditions such as acute coronary syndrome.

With its ability to analyse large datasets quickly and accurately predict outcomes based on past patients, there's no doubt that AI will become an invaluable tool for improving patient care.

"Physicians who are open to new technologies like PMcardio and ready to unleash their potential will be in a huge advantage compared to those who will remain reluctant to artificial intelligence," says Prof. Dr. Robert Hatala, PhD, Head of the Arrhythmology Department at the Slovak National Institute of Cardiovascular Diseases.

PMcardio represents a major leap forward in the use of AI technology in healthcare, providing healthcare professionals with unparalleled precision in diagnosing 38 cardiovascular diseases. The app enables accurate patient triage and provides treatment recommendations that adhere to up-to-date guidelines, ensuring the highest standard of care.

"With its training on a database of over a million ECG records, PMcardio surpasses the diagnostic accuracy of general practitioners and matches the expertise of seasoned cardiologists," explains Dr. Robert Herman, Chief Medical Officer at Powerful Medical.

By utilising AI image recognition to scan and reconstruct ECG strips into digital waveforms, PMcardio's machine learning technology recognises patterns and anomalies to provide highly accurate diagnoses. AI-augmented interpretation of ECGs allows physicians to process more ECGs with the accuracy of a cardiologist and provides a valuable second opinion in diagnostic and treatment decisions.

To conclude, it is essential to emphasise that AI technologies such as PMcardio are **not intended to replace medical professionals**. Despite the advancements in technology, physicians remain the primary decision makers in patient care and treatment.



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