

**Press Release**

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AI Support for Heart Attack Detection Using 12-Lead ECG **corpuls and Powerful Medical announce strategic partnership**

corpuls and Powerful Medical - the company behind the AI-powered cardiology platform PMcardio - are joining forces in a strategic partnership. At the heart of the collaboration is the integration of the AI-powered ECG model “Queen of Hearts” into the existing corpuls workflow. This will soon give users access to the full diagnostic capabilities of Queen of Hearts directly at the patient’s side.

The partnership will enhance corpuls’ established monitoring and telemedicine solutions with AI-powered ECG analysis. Powerful Medical developed Queen of Hearts specifically to detect acute coronary occlusions from 12-lead ECGs within seconds. “With the integration of Queen of Hearts, users will benefit from highly validated support in detecting acute coronary occlusions without having to change their established workflows. This adds an additional AI-powered perspective to ECG interpretation and further expands its diagnostic capabilities,” says Michael Heller, Managing Director and CCSO at corpuls. “Together with corpuls, we are bringing Queen of Hearts to the point where crucial decisions about the course of a heart attack are often made: the first ECG, directly at the patient’s side,” says Felix Bauer, Co-Founder and COO of Powerful Medical.

AI analysis within the familiar workflow

Queen of Hearts will be available to emergency medical professionals directly within the familiar corpuls workflow. 12-lead ECGs recorded using the corpuls3 will be transmitted to the corpuls.mission platform and analysed by Queen of Hearts within seconds - with no need for additional apps. The analysis results will then be sent directly back to the corpuls3.

A partnership between two leaders in innovation

“For more than 40 years, we have helped shape the future of emergency medicine through technological innovation. This new partnership reflects our continued commitment to bringing pioneering technologies into clinical practice and making them available to users at an early stage,” says Michael Heller. Together with Powerful Medical, corpuls is combining cardiac monitoring with AI powered ECG analysis. Through this partnership, the two companies aim to set new standards in the interpretation of 12-lead ECGs.

About corpuls:

For well over 40 years, the Bavarian medical technology company has been developing and manufacturing innovative high-end products for emergency and intensive care medicine. With more than 800 employees, corpuls exports defibrillators, monitoring systems and chest compression devices for cardiopulmonary resuscitation in cases of cardiac arrest, as well as digital solutions in telemedicine and quality management, to more than 70 countries worldwide.

About Powerful Medical:

Powerful Medical is a leading company of AI applications for cardiology, making expert-level cardiac diagnosis available to every healthcare professional, regardless of where they present. Its flagship PMcardio platform interprets 12-lead ECGs to detect more than 40 cardiac conditions, including acute heart attacks, and is used more than 2 million times a year by over 100,000 clinicians. Queen of Hearts™ holds FDA De Novo Authorization and is a CE-marked medical device under the EU MDR.