

PRESS RELEASE

Apple ECG screens - CardioSecur ECG diagnoses

All ECGs are not created equal. Apple's recently unveiled 1-lead electrocardiogram (ECG) on its Series 4 Apple Watch **is a great advance in screening one's heart activity beyond a mere pulse reader**. It offers the capability to detect potential arrhythmias. **However, medical professionals require more to make a diagnosis. CardioSecur**, a complementary, but more profound mobile, app-based, 15-lead ECG system for private use **fills this gap**. Its direct in-app feedback - if medical attention is needed - offers additional clarity and peace of mind anytime, anywhere.

Frankfurt, 19. September 2018. Apple recently unveiled its 1-lead ECG app which enables private individuals to screen their hearts for potential arrhythmias such as atrial fibrillation (A.Fib). 1-lead-ECG technology is a **good screening method** to indicate issues with heart rhythm; however, it does **not generate sufficient data for a full cardiac diagnosis**.

To provide a patient with a conclusive diagnosis and to initiate effective therapy, a **cardiologist requires more profound ECG data beyond a mere 1-lead** screening tool. Prof. Gregory Marcus from the University of California San Francisco advises in Tom's Guide, "It will be very useful to screen, but the diagnosis will still require confirmation using a conventional EKG."

CardioSecur is an approved diagnostic 15-lead ECG app, which takes only 30 seconds to perform. Its 50g ultra-light cable conclusively detects not only all types of arrhythmias (incl. A.Fib), but also critical life-threatening circulatory disorders such as **heart attack**. "CardioSecur's unique ECG data sophistication allows physicians to establish their **diagnosis swiftly and turn to targeted therapy** faster than with any other system worldwide" claims Felix Brand, Managing Director of CardioSecur. At the beginning of this process, screening tools such as the Apple Watch ECG, even though they cannot detect all diseases, serve as a complementary measure to CardioSecur.

Additional information at www.cardiosecur.com



Picture: CardioSecur Active, mobile 15-leads ECG device which generate sufficient data for a full cardiac diagnosis.



Picture: Apple Watch Series 4, 1-lead ECG app which enables private individuals to screen their hearts for potential arrhythmias.

Personal MedSystems GmbH is a pioneer in digital health. The company develops mobile diagnostic ECG devices and services for private users and healthcare professionals under the name CardioSecur. **CardioSecur Active** is an innovative 15-lead, clinical-grade ECG for home use. In just a few seconds, it generates individualized feedback on changes in the heart health and provides a simple recommendation on whether to visit a doctor or not. The entire system consists of a 50g light cable with only four electrodes, the free CardioSecur Active app and the user's smartphone or tablet. **CardioSecur Pro** is the mobile, clinical ECG solution for physicians and healthcare professionals, as well as enterprise clients. Since 2018, the aviation industry standardly equips long distance aircrafts with CardioSecur Pro. Via 22 leads, CardioSecur Pro provides a 360° view of the heart and is thereby the only system that meets the European cardiology guidelines recommending evaluation of the anterior, lateral, inferior and posterior walls of the heart for infarcts.

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