


FOLLOW YOUR HEART

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# COALA® HEART MONITOR PRO

**A complete system for ECG investigations and long-term monitoring in the patient's everyday life prescribed by the physician. The system also provides the opportunity for auscultation of heart and lungs remotely.**

Coala Heart Monitor Pro is a digital solution, developed for healthcare with the patient in focus, for cardiac examinations in everyday life. It is a CE Class IIa and FDA 510k cleared medical device system consisting of:

- Coala Heart Monitor, a wireless handheld monitor that is connected through bluetooth to the patient's smartphone. The monitor makes it easy to perform ECG registrations in one minute. The monitor also includes a stethoscope for simultaneous recording of heart sounds.

- Coala App, a mobile application with an intuitive design that will guide the user through the measurement. The patient starts the recording of the ECG and heart sounds by following instructions in the app. The results of the ECG recording are presented in the app to the patient and at the same time to the healthcare provider in the Coala Care portal.

- Coala Care portal, a web-based portal for healthcare providers to follow patients' data in real-time remotely. Smart algorithms analyze ECG recordings and provides interpretation support and abilities to further analyze and interpret chest and thumb ECG measurements. The portal provides users with a quick overview of the latest ECG recordings received, as well as access to analysis tools such as Caliper to measure RR-intervals.

**Easy for the patient to use in everyday life**
Coala Heart Monitor is easy to use, and the patient can quickly register ECG in case of symptoms. Coala App provides the patient with results and feedback from the ECG analysis and involves the patient during their investigation.

Registration of the ECG takes place during 60 seconds via two measurements, one chest and one thumb measurement, for 30 seconds each. No need for cords or adhesive electrodes. An intuitive design in the app guides the user through the measurements. Smart algorithms analyze the measurements in seconds and detects of 9 of the most common arrhythmias via P-wave detection and advanced pattern recognition-based analysis.

**Easy for caregivers to help patients remotely**
In the Coala Care portal, it is easy to add new patients, follow and interpret data remotely and if needed transfer individual ECGs or summary reports in PDF format to patient record systems. There is no limitation in the number of patients or measurements, everything is safely saved in the cloud and accessed in real-time.

The Coala system is based on a unique solution with high-resolution of data and interpretation algorithms that find some of the most common arrhythmias. To support the diagnosis of atrial fibrillation, both the presence of P waves and R-R intervals are analyzed.

Coala Heart Monitor also has an integrated digital stethoscope that simultaneously with ECG records the heart sound. In the Coala Care portal, the correlation is analyzed, and the result is presented through a phonocardiogram with sound filters that gives the healthcare provider support to detect heart murmurs.

**Medical Classification**
- CE Class IIa.
- FDA Cleared.

**Coala Heart Monitor**
- 3 electrodes without need for replacement.
- Automatic detection and interpretation support of 9 different arrhythmias.
- Rechargeable lithium-ion polymer battery for at least 40 measurements when fully charged.
- Digital stethoscope with a 20-500 Hz frequency range. Patented piezoelectric membrane.

**Coala Care portal**
- Login through web browser with emailadress and password

**Coala App**
Coala App is compatible with smartphones with the following operating system:
- Current iOS version and its two previous versions.
- Current Android version and its four previous versions.

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