



COALA HEART MONITOR PRO



COALA HEART MONITOR SYSTEM/PRO

A complete system for remote monitoring of ECG and the possibility of auscultation of the heart and lungs remotely. For early detection of heart and lung disease .

Coala Heart Monitor System is a digital solution for cardiac and arrhythmia investigations for use in everyday life. It is developed for healthcare with the individual in focus. The system is a medical device CE class IIa and FDA cleared.

The solution consists of a complete platform combining a monitoring device with an intuitive app for easy ECG and heart sound measurements and a web-based portal with algorithm-based interpretation support. The results are provided instantly and simultaneously to patients and healthcare providers.

The product is used in both primary and specialist care to assess, diagnose and monitor cardiac arrhythmias and to investigate patients with palpitations. The product is also well suited for secondary prevention of AF in stroke patients in the home environment (TEASE study).

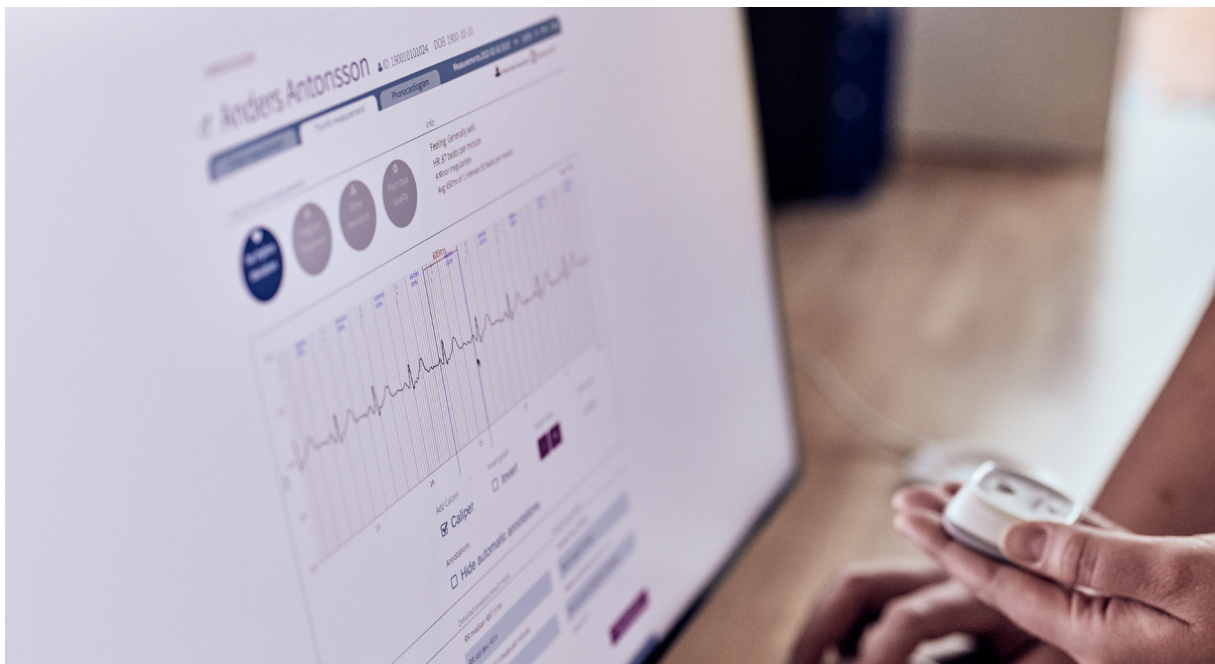
Remote heart monitoring is a short or long-term real-time patient monitoring solution. It can support diagnosis of asymptomatic and symptomatic arrhythmias and work as a complement to regular routine physician visits.

Some areas of use:

- Palpitations
- Arrhythmias

Post-procedure:

- Cardiac ablation
- Transcatheter aortic valve replacement (TAVR)
- Open heart surgery



COALA CARE PORTAL

The Coala Care Portal is a web-based system accessed via a web browser, no special software is needed. The portal is used to administer ongoing patient assessments as well as to review high-quality dual lead ECG recordings and heart sounds. The portal gives the healthcare provider a quick overview of the most recent ECG recordings received from every patient.



TIMESAVING

The Coala Care Portal uses algorithms with automatic detection of arrhythmias to enhance and facilitate the review process.

ECG recordings are analyzed for irregular rhythm indicating Atrial Fibrillation and an additional 8 other arrhythmias. The AF-detection is enhanced in combining irregular rhythm (RR-dispersion) with proprietary P-wave detection in the chest and thumb-recording.

ECG recordings can be annotated and an in-built caliper can be used for detailed measurement of various intervals. In addition to ECG-specific functions, the user is given the opportunity to flag measurements for attention, allowing other healthcare professionals to search for and find abnormal readings quickly and easily.

Other functionalities include filtering of ECG readings for a quicker overview and creating summary reports to generate a complete overview over a set period.



LOGIN AND PERMISSIONS

The portal is accessed via a web browser and supports multifactor authentication such as Swedish BankID or e-service hospital card as SITHS. There is the possibility to assign different permission levels to users within the portal.

PHONOCARDIOGRAM TO HELP DETECT MURMURS

The Coala Phonocardiogram (PCG) analyzes the heart sound in perfect sync with the ECG to aid the detection of S1, S2, and murmurs. Enhance the remote auscultation by using the five integrated filters in the Coala Care portal.

Improving quality of life (RedHeart)

Real-time ECG response with Coala has proven to significantly reduce symptoms during palpitations and increase quality of life

COALA HEART MONITOR

A patch-free electrocardiogram (ECG) monitor prescribed by the physician.

With the Coala Heart Monitor and an app on a smartphone or tablet, ECG measurement and recording of heart sounds are carried out in just 60 seconds. Results are displayed directly in the app.



A HIGH-QUALITY DUAL LEAD ECG

The sequential recording of both thumb- and chest ECG provides a 2-lead ECG for optimal signal quality and diagnostic accuracy. To support the diagnosis of atrial fibrillation, both the presence of P-waves and R-R intervals are analyzed.

DIGITAL STETHOSCOPE

In the Coala Heart Monitor, there is also an integrated digital stethoscope that synchronously with ECG records the heart sound, for later auscultation in the portal.

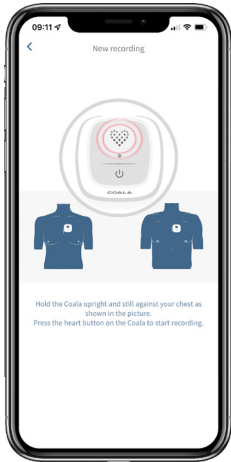
SECURE TRANSFER OF DATA

After ECG recording, the patient's recording is transferred via a secure connection to Coala's encrypted servers. Data is recorded and analyzed by advanced algorithms to detect deviations from normal rhythm within seconds.

The analysis results are sent back to the Coala app in real-time to create peace of mind and engage the patient. At the same time, it is presented to the healthcare provider through the Coala Care portal.

COALA APP

With an intuitive design, the app will guide the user through the measurement.

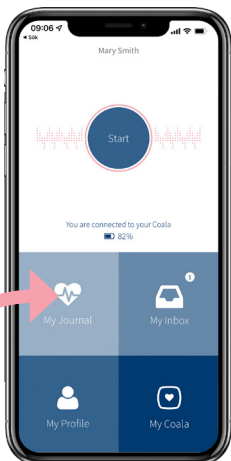
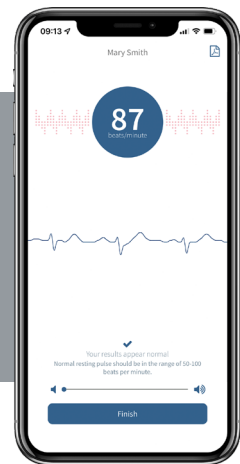


MEASUREMENT

The patient starts the recording of the ECG and heart sounds by following instructions in the app. Perceived symptoms or well-being can be registered in connection with the recording.

RESULT

The results of the ECG recording are presented in the app and at the same time to the healthcare provider in the Coala Care portal.



FEATURES

Use "My journal" to go back to see previous recordings. A system for exchanging text messages in which the patient receives messages from the healthcare provider.

Coala Life AB
www.coalalife.com

Kålsängsgränd 10B
753 19 Uppsala
Sweden

Email: info@coalalife.com
Phone: +46(0)8 27 00 77

