



emoCARDIO

CLINICAL DECISION SUPPORT SYSTEM FOR
CARDIOVASCULAR DISEASES

Clinical Decision Support System for Cardiovascular Diseases

Designed for screening and monitoring patients with CVD.

- For patients, the convenience of being able to participate in a health system that provides remote transfer of health data and patient experience with a small wearable device and an easy-to-use mobile application without affecting their daily routines.
- An easy-to-apply e-health application for healthcare professionals to monitor their patients remotely and take precautions against diseases.
- A tool that enables physicians to analyze their patients' condition continuously and more closely without adding extra burden to their workflow, and improves their communication with the patient.

emoCARDIO capabilities;

- Real-time patient monitoring with smart band
- ECG analysis in addition to analysis of vital data
- Evidence-based clinical decision support system to guide clinicians
- An automated process for patient monitoring and screening

emoCARDIO features;

- Patient mobile application
- Clinician mobile application
- Web application

emoCARDIO Smart Band

- Single-channel ECG
 - Blood pressure
- Oxygen Level in the Blood
 - Respiration Rate
- Body temperature
 - Sleep data
 - Step count





emoCARDIO Patient App

Questionnaire service to periodically create surveys and subscribe patients to specific surveys to gain patient experience.

Periodic questionnaire reminders are sent to patients' mobile applications as push notifications.

Analyzing the responses of patients to a questionnaire, if there is a decision support system (DSS) service related to that questionnaire.

The ECG analysis module automatically examines the measured ECG data of the patients when new data comes in, and sends the analysis results to the relevant Decision Support System services and warns physicians by checking if there is any abnormality.

Mobile application for clinicians that provides interfaces to monitor patients and use analytics services with collected data and measurements.

Clinical Decision Support System (CDSS) to monitor and follow patients remotely.

emoCARDIO Clinician App

Provides for each clinician to see all the retrospective vital data of each patient, including as a trend, and to analyze all the retrospective ECG images one by one.

Opportunity to see instant atrial fibrillation risk, stroke risk and bleeding risk by running instant CDSS for a patient at any time.

Opportunity to see the answers given by clinician to all questionnaires retrospectively for each patient.

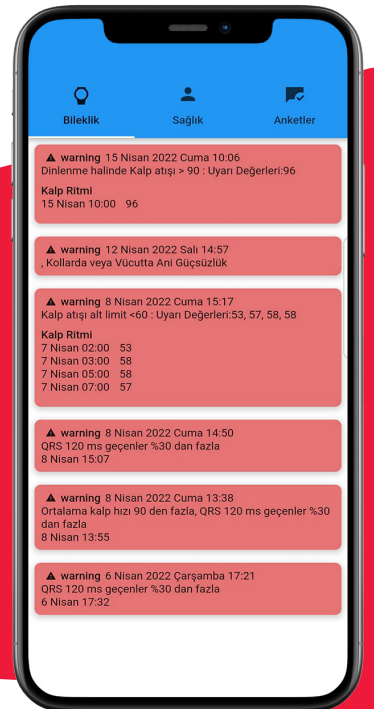
Provides non-intrusive and more accurate assistance with patient specific settings that personalize push notifications and responses.

Opportunity to send a message to the relevant patient via the system in the warning and critical warnings generated by the instant CDSS.

CDSS examines gathered data according to clinical guidelines and patient specific control limits adjusted by clinicians.

Alert and Notification system enhances the communication of emoCardio system.

Alerts raised automatically by CDSS for specific conditions are handled by alert and notification modules to inform clinicians about the patients' condition and collect additional information from patients by notification containing actionable requests like taking ECG or finishing a questionnaire.





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