

Better safety and efficiency for Cardiac Rehabilitation

Real-time, wireless ECG group monitoring system for 1-16 patients with easy-to-read reporting

The wireless Cardiac Rehab system utilizes the latest ECG technology allowing ECG monitoring of up to 16 rehabilitation patients simultaneously, which makes **group exercising and testing safer and more efficient**.

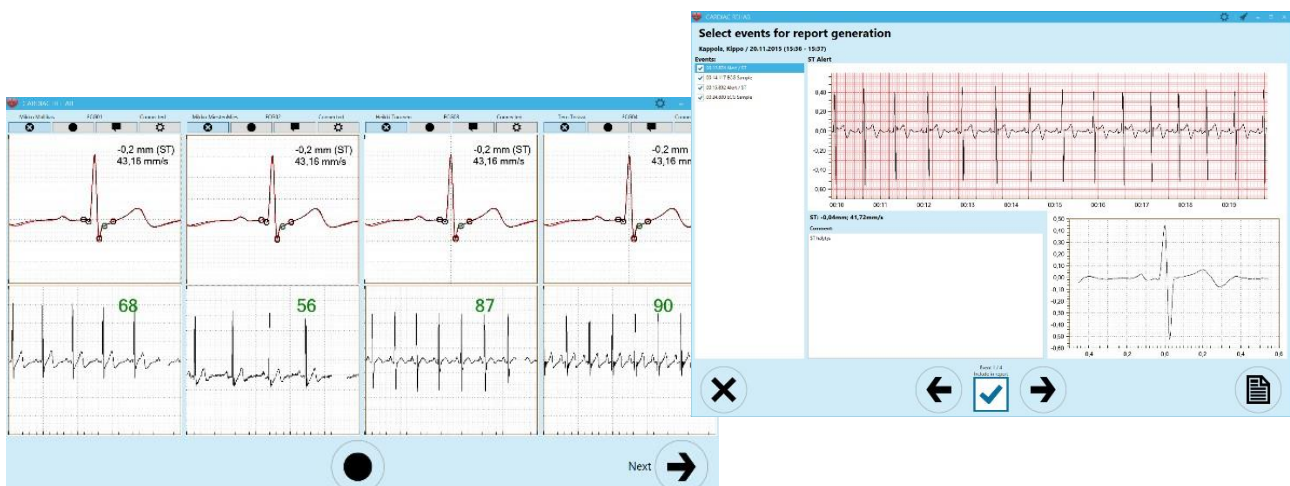
The ECG of each patient can be seen real time on a large screen during the exercise and the system also **records full ECG data**. The saved data offers the doctor the possibility to examine patients' condition more thoroughly.

The ECG is measured by using Faros sensors, which are designed for the most demanding measurement conditions and for clinical research. Faros recorders are manufactured in Finland and they are medical CE-marked medical devices with FDA clearance. The lightweight, 16-gram device allows completely **free movement for the patient**. For the rehab instructors the Faros recorders offer easy, effortless initialization and clear, accurate ECG signal.



The eMotion Faros sensors send the ECG signal wirelessly to the system, which displays (normally on a large TV-screen on the wall) changes in each patient's ECG for the instructor during rehabilitation. The range between the Faros recorders and the Biolink receiver reaches 40-100 meters enabling various exercises and tests in open spaces such as gym.

ECG, heart rate and changes in the ST-segment (compared to the reference QRS complex taken from the patient, red in the picture below) are displayed from each rehab patient concurrently. The software generates an easy-to-read report from the events occurred during the training session. The report includes patient information, rest ECG, ST- and Heart rate trends, ST-alarms and Heart rate alarms as well as any event/comment added by the instructor of the session.



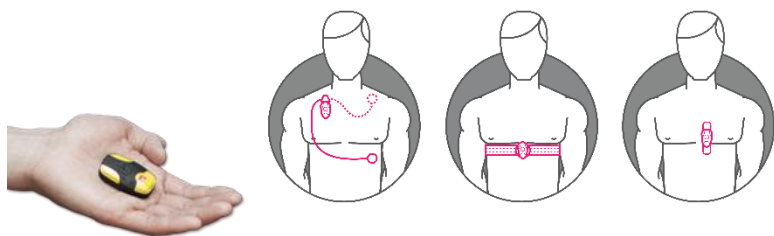
Cardiac Rehab reference users:

- **KUH** (Kuopio University Hospital), **Physiatric department** uses the Cardiac Rehab system for monitoring ECG of cardiac rehabilitation patients during exercise and testing.
- **Kuopio Research Institute of Exercise Medicine** (KuLTu) uses the Cardiac Rehab system for ECG measurements during exercise and testing. **eMotion Faros** recorders are widely used at clinics and research centers all over the world.



MedTach Head Office:
4145 North Service Rd., Suite 200
Burlington, Ontario, Canada L7L 6A3
1-289-644-4985 | info@medtach.com

Vancouver Office:
1090 Homer Street, Suite 300
Vancouver, British Columbia, V6B 2W9



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