

MEDICALgorithmics

INNOVATIVE SOLUTIONS IN MEDICINE

The most effective **technology solutions for cardiology**



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Medicalgorithmics Group specializes in **AI-powered and noninvasive solutions for cardiac diagnostics**

We have a clear goal: **improving health through intelligent technologies.**

Medicalgorithmics Group was established in 2005 and is headquartered in Warsaw, Poland. Over the past two decades, we have transformed into a global provider of cutting-edge solutions that help improve the health of patients around the world. Today, the Group operates globally through four businesses to address today and tomorrow's healthcare needs.

Leading the way in **remote cardiac monitoring**



8m

recorded days
of ECG signal

170k

monitored
patients annually
around the world

5.5k

doctors using
our solutions
in the United States

20+

countries where
we offer products
and services

25+

types of heart beats
and arrhythmias
detected

2.5b

annotated heart
beat library

Driving significant global growth

Medicalgorithmics has **extensive experience** in developing **AI technology** for medical applications

We have been pioneers in this field, and DRAI is a testament to our expertise in AI development for medical applications. In terms of competitors, there are very few AI algorithms for ECG analysis that have received FDA clearance. This makes DRAI a unique and groundbreaking technology that can help transform the healthcare industry.

Medicalgorithmics has been continuously developing DRAI to remain at the forefront of heart rhythm analysis technology, and we are committed to adhering to the FDA guidelines for AIML-enabled medical devices. As part of our commitment to the healthcare industry, we have contributed a complete set of over 9 million reference beat and rhythm annotations for the PhysioNet Long-Term AF Database.



Turning heartbeats into **powerful insights**

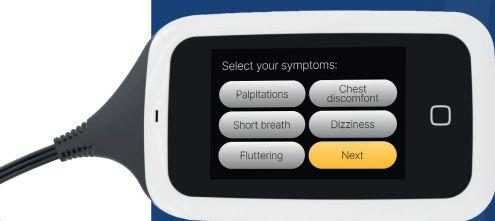
People worldwide are living longer thanks to advances in modern medicine. However, an aging population means an ever-growing need for more specialized care and technology to manage the increased complexities of health conditions, particularly related to cardiovascular diseases. Medicalgorithmics, a long-time leader in remote cardiac monitoring technology, is meeting that challenge in the global marketplace.

Arrhythmia diagnostics

PocketECG is a system for heart arrhythmia diagnostics with the highest diagnostic yield when compared to other monitoring technologies. This lightweight and easy to maintain device has been successfully used by patients worldwide for over 10 years and has become one of the most popular systems for long-term heart monitoring.

- Continuous transmission of the full-disclosure ECG signal for 1–30 days
- Detection of the onset and offset of each arrhythmia
- Classification of the morphology of every heartbeat
- 24/7 online viewing of the ECG signal through any web-enabled device

MORE: POCKETECG.COM



Simple process. Quality data. Patient comfort.

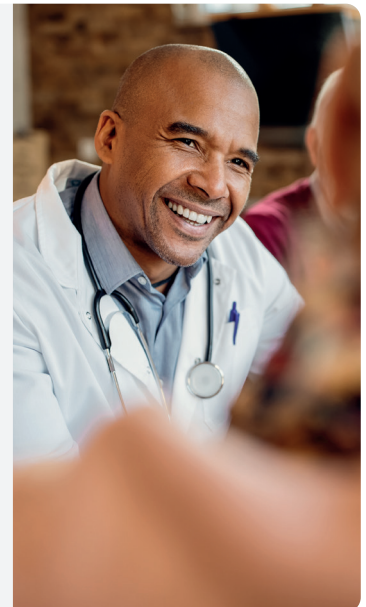


Nurse

- Easiest enrollment process in the industry
- Automated downloading and printing of reports
- Easy to use all in one device
- Skin friendly: if skin is irritated, electrodes can be moved to a slightly different place

Physician

- Clinical efficacy and the highest diagnostic yield
- Continuous full-disclosure ECG streaming available online in near-real time
- Data quality: Holter-standard one-beat resolution
- Statistical analysis of patient's symptoms, physical activity and arrhythmia
- Immediacy and accessibility of patient data during monitoring
- Activity monitoring – correlation of activity and symptoms, heart rate and rhythm



Patient

- Faster diagnosis and start of treatment: the end of study report is available right after the monitoring session is completed
- No more paper diaries – symptoms reported by the patient through the touch screen
- Easy to use: easy every day operation and exchange of a battery

Every heartbeat.
Every insight.
Every second of the day.



3-in-1 device design for **greater flexibility**

Medicalgorithmics' PocketECG can seamlessly switch between Holter testing, event-based monitoring, and multi-week mobile cardiac telemetry without a patient's return visit to the doctor's office. This allows physicians to choose the optimal method to diagnose the patient as soon as possible.



Enable **intra-study intervention**

The constant transmission of beat-to-beat data enables clinicians to take action before the predetermined study time has elapsed, whether it's switching testing modalities, changing pharmacological treatments, or taking a more direct treatment approach.



A no-compromise approach to **data quality**

Engineered to provide clinicians with a high-quality ECG signal, PocketECG is lightweight and easy to use. Three leads connect the device to the patient's chest and provide a constant stream of ECG data with a single-device configuration. It transmits and discloses every labeled heartbeat directly from the monitor to the mobile network.

24/7 monitoring by our highly-trained ECG technicians helps ensure patient compliance for a successful study.



Discover how a higher diagnostic yield can deliver powerful insights.
Contact Medicalgorithmics today world@pocketecg.com