

SUCCESS STORY IN AI FOR MEDICAL DATA

Zivė, Ltd.
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Provider:
 IT Open Access
 Research Center
 (Vilnius University,
 Faculty of
 Mathematics and
 Informatics)
 - a *current member*
 of NCC Lithuania

THE PROBLEM

Development of algorithms for analysis of medical data (ECG)

THE SOLUTION

An ECG device was developed that can be worn on a person's chest and used at home during sports or any other daily activities. When connected to a smartphone or tablet, the app displays detailed heart activity data and performs AI-based analysis in real time

THE HPC PROBLEM DOMAIN

Artificial intelligence

THE BENEFITS

The developed AI solution is being deployed in medical technology, in collaboration between business and science, using the latest high-performance computing techniques to bring early cardiac diagnostics to the user

SUCCESS STORY DETAILS

IT Open Access Research
 Center @ VU MIF
 Lithuania

Acknowledgment (TBA)

SUCCESS STORY IN AI FOR MEDICAL DATA

THE PROBLEM

Effective algorithms for analysis of medical data (electrocardiogram) were needed.

THE HPC PROBLEM DOMAIN

Artificial intelligence applications on sensitive data.



THE SOLUTION

An electrocardiogram device was developed that can be worn on a person's chest and used at home during sports or any other daily activities. Heart activity can be monitored 24x7. When connected to a smartphone or tablet, the app displays detailed heart activity data and performs AI-based analysis in real time.

THE BENEFITS

After analyzing the data with an AI model, early diagnosis of heart disease can be made, thus providing added value to the user.