



**ADAMANT  
HEALTH**

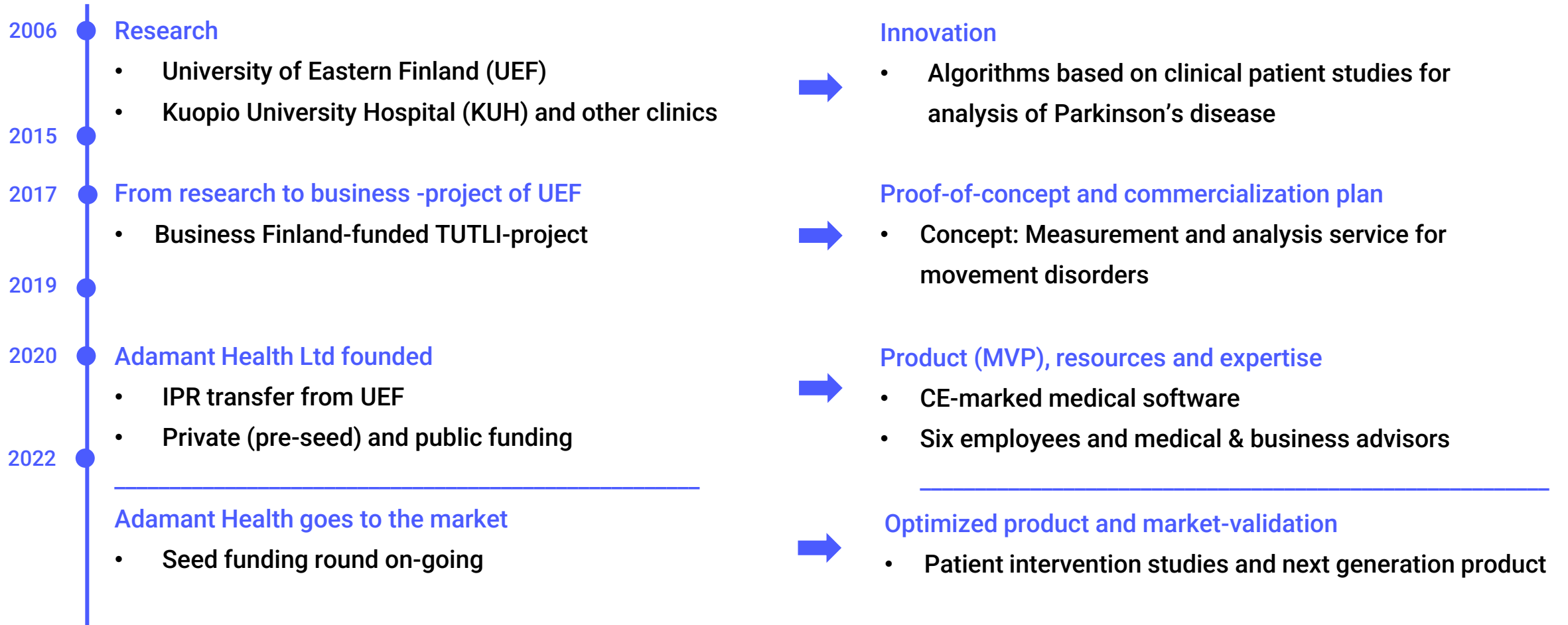
**Better Days for People with Movement Disorders**

**Saara Rissanen**

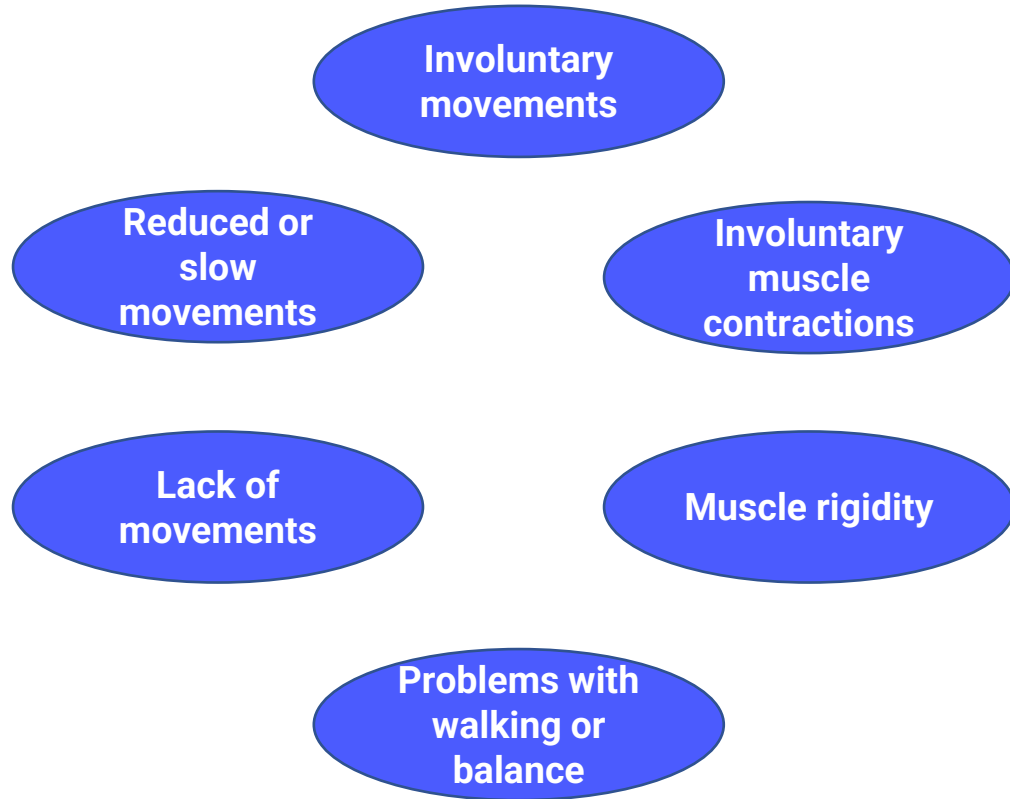
Chief Scientist & Co-founder  
PhD, docent (medical physics)

[www.adamanthealth.com](http://www.adamanthealth.com)

# Adamant Health is based on academic research



# Movement disorders

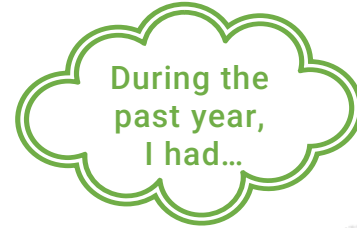


Are connected with several neurological conditions:

Parkinson's disease, Essential tremor, Dystonia etc. (common diagnoses)

Epilepsy, Multiple Sclerosis and Alzheimer's disease etc. (also observed with)

# Lack of data on patient's symptoms complicates...



During the appointment, the patient tries to remember and describe how the symptoms have been...

...while the doctor tries to visually observe the patient's condition and symptoms via basic physical tests

... the evaluation of treatment response and planning of treatment

# Adamant Health's Measurement and Analysis Service

## Wearable measurement

High-resolution EMG\* and motion data from the patient for 2-4 days.



CE MARKED  
MEDICAL DEVICE

DATA

## Analysis of real-world data

Analysis of measurement data with Adamant Health's clinically validated algorithms.



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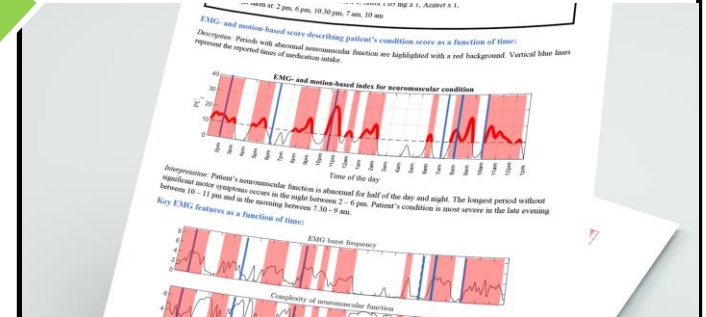
ANALYSIS SERVICE

CE MARKED  
MEDICAL SOFTWARE

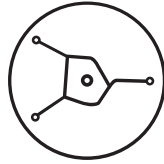
RESULTS

## Report and study outcomes

Detailed report on symptoms, signs and study outcomes.



\*EMG = Electromyography to measure neuromuscular function

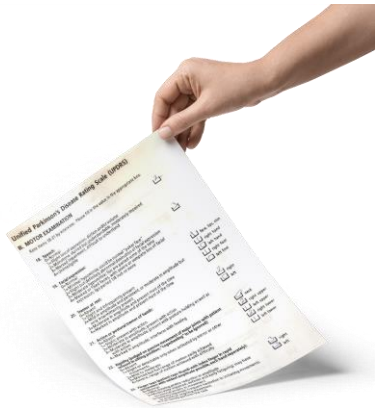


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Objective vs.  
subjective

Cross-validated  
EMG & motion

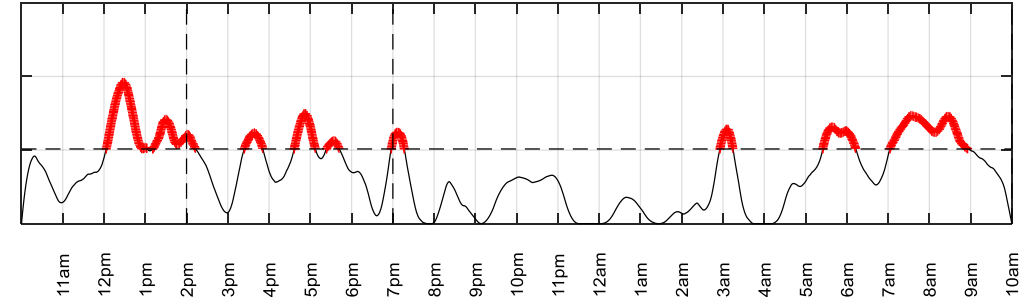
Subjective rating scales  
and home diaries



Motion-based solutions

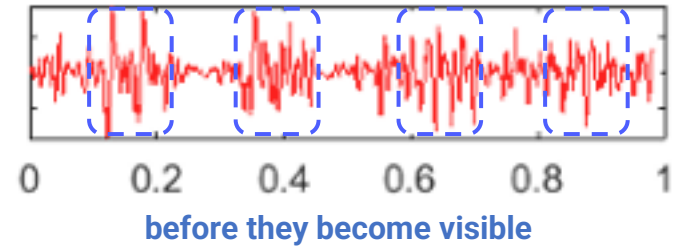


System reveals fluctuations in symptoms



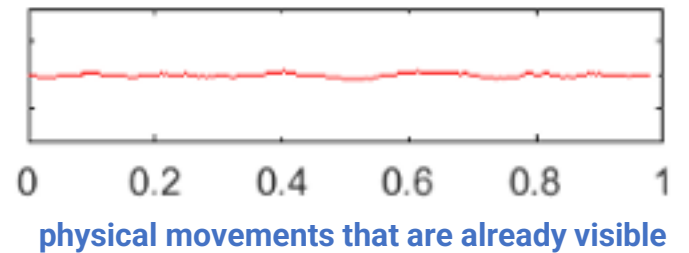
EMG can predict symptoms

3h after medication



Motion sensor shows only

3h after medication



## ADAMANT HEALTH TEAM AND EXPERTISE

### ADAMANT HEALTH TEAM

**Paulus** (CEO & co-founder)

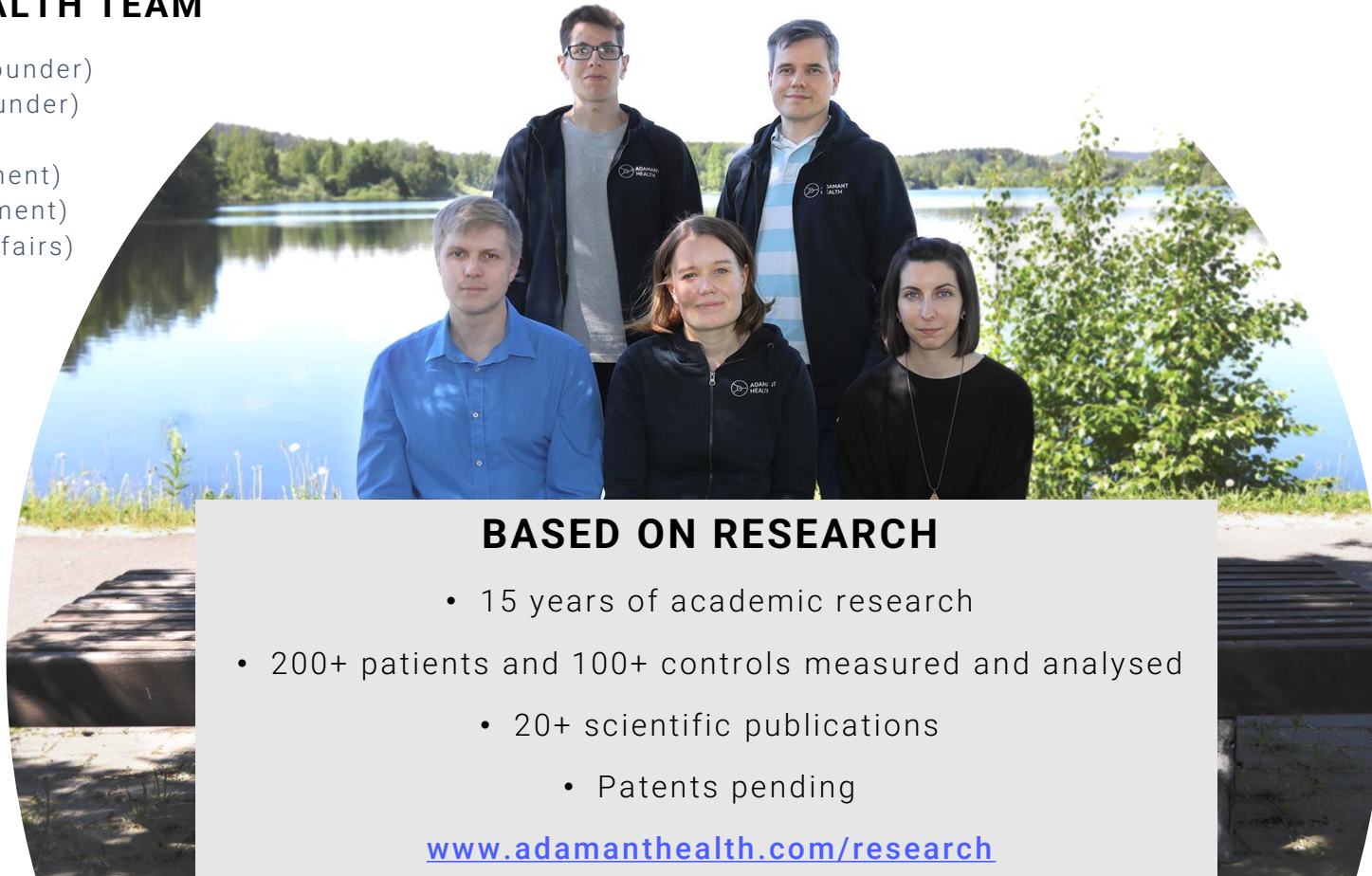
**Saara** (CTO & co-founder)

**Juha** (SW Lead)

**Jouni** (SW development)

**Juuso** (SW development)

**Anca** (Regulatory affairs)



### BASED ON RESEARCH

- 15 years of academic research
- 200+ patients and 100+ controls measured and analysed
  - 20+ scientific publications
  - Patents pending

[www.adamanthealth.com/research](http://www.adamanthealth.com/research)

### COLLABORATING WITH MEDICAL ADVISORS

Specialists of neurology from:

Finnish university hospitals

Finnish central hospital

Private healthcare

### PARTNERS



### FUNDED BY:





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HEALTH

**Saara Rissanen**

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