



# **Kintroom**

OVERVIEW PRESENTATION

# THE PROBLEM

- All analysis of skilled motor function depends on a **time-intensive**, potentially **subjective**, and **costly** manual evaluation of behavior.
- Behavior analysis has so far mainly relied on reflective **physical** markers placed on body joints.

# OUR MISSION



- **Optimize** the cost and results of medical services.
- **Enable** people to access treatment and track the outcome of such, **regardless** of their geographical **location**.
- To recognize healthy and impaired motion **solely** based on unprocessed **video frames**.



# THE SOLUTION



Kintroom is a **tool** for assessment of neurological functions, which enables clinical observations to be made **without visiting** the clinics.

- Review previous diagrams and videos
- Understand the difference
- Perform before and after analyses

It also allows **consultations** between highly qualified medical professionals and patients from **any location**.

# USER STORY

As a **patient** with a neurological diagnosis, I need:

- Easy for use application
- Easy progression of the treatment result
- Easy and quick response from my doctor
- Adequate diagnosis
- A way of tracking my illness
- Adequate treatment
- To be able to easily get a second opinion
- Solution that saves me time and effort
- Expertise, regardless of my geographical location
- Easy to operate system

As a **doctor and scientist**, I need:

- An easy for use solution
- A way to help my patients from a distance
- To review the history of their disease
- Access to the experience of colleagues, regardless of their geographical location

As a **pharmaceutical company**, we need:

- Simplified process of testing and introducing new products
- Access to a large patient – doctor ecosystem, regardless of their geo-location
- To redirect the cost of lengthy and time-consuming tests



# HOW IT WORKS



**Video**  
provided by  
unhealthy patient



Uploads it through  
the Kintroom app



**Processing**  
with AI models in  
the Kintroom app



Patient's posture is compared  
to that of a healthy person



**Result**  
after processing, ready  
for doctor's evaluation

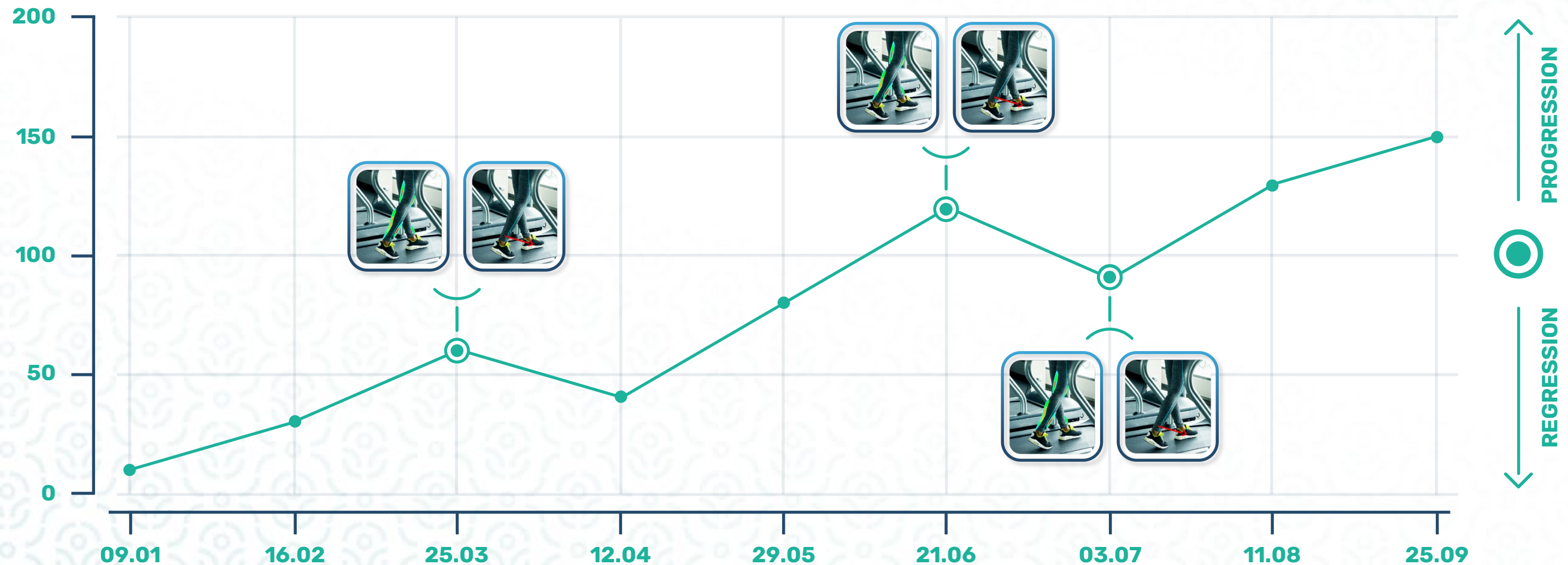


Doctor decides how to proceed  
after reviewing the data



# HOW IT WORKS

With the accumulated and analyzed data, we **visualize** the patient's **motility deviations** in an understandable and historically traceable **graph**:





# USE CASES



With provided patient video data, **Kintroom** can:

**Predict diagnosis** and direct the doctor to it, which he can confirm or reject. The main advantages from the use of Kintroom in this case are:

- No needs to travel
- Time saving for the patients
- Time saving for the doctors
- Fast and better diagnoses
- Providing the opportunity to serve more patients
- Possibility for a second opinion

**Collect data**, show the changes and suggest the direction treatment. The results of the therapy can be used to more quickly collect data from a large group of patients for the introduction of new drugs. The main advantages from the use of Kintroom in this case are:

- Rapid data collection from a large number of patients
- Faster testing of new drugs
- Time saving for the patients
- Time saving for the doctors
- Cost saving for the pharmaceutical companies

All patient video data can be shot from anywhere in the world, without the need to visit a clinic or hospital.



# ROADMAP



**Q3**  
2022

**Q4**  
2022

**Q1**  
2023

**Q2**  
2023

**Q3**  
2023

## MILESTONES

First Test Version  
Diagnosis Prediction

MVP  
Diagnosis Prediction

Release v2  
Result of Therapy

Release v3  
Telemedicine

## TASKS

Online Web Platform

Online Web Platform Improvement

First Unsupervised Model

First Unsupervised Model Improvement

Android App

Android App Improvement

iOS App

iOS App Development

New Features

**THANK YOU!**