

AI HUMAN DRIVEN

**Innovation in
motor rehabilitation**



K•HERO®
DIGITAL HEALTH

Discover the innovative AI-driven motor rehabilitation devices that offer personalized therapies and telemonitoring for rapid recovery.



Improves accessibility and effectiveness of motor rehabilitation optimizing health resources and improving patient's quality of life.

MEDICAL DEVICE USAGE GUIDELINES



Ministero della Salute

K•HERO® is a certified Class I Medical Device

It is a device indicated for **individualized and group motor rehabilitation, in neuromuscular and neurodegenerative pathologies, as well as a functional tool for rehabilitation in complex disabilities and in the outcomes of injuries with the use of supportive instrumental physical therapy** relating to the functions of joints, bones and movement according to the WHO's ICF. Characterized by cognitive and motor therapeutic exercise, regardless of the technique used, how it is performed, prostheses, orthoses and aids used, manual therapeutic activities.

OUR DEVICES

- **Devices for tele-rehabilitation**
- **Easy to use thanks to AI**
- **Automatic health data logging**
- **Operation without sensors and wearable devices**



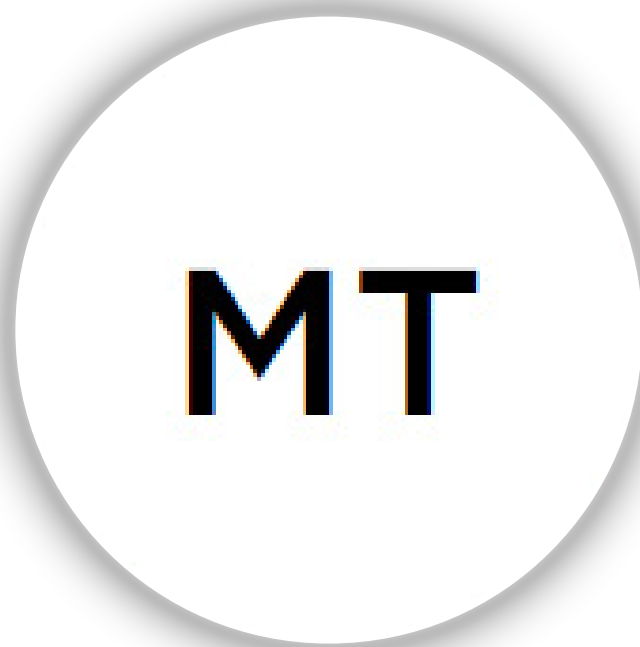
THE STORY



**8 YEARS OF R&D
IN MOTOR
REHABILITATION**



**8 KEY OPINION
LEADERS**



**3 CASE HISTORY
AND PATENTED
AI TECHNOLOGY**



**5 CLINICAL
STUDIES**

CLINICAL PROTOCOLS

24 validated and customizable clinical protocols

- Improves patients' quality of life
- Reduces management costs in the clinic
- **More effective treatments with patients with movement disorders**

PNEUMO



CARDIO



OSTEOARTICULAR



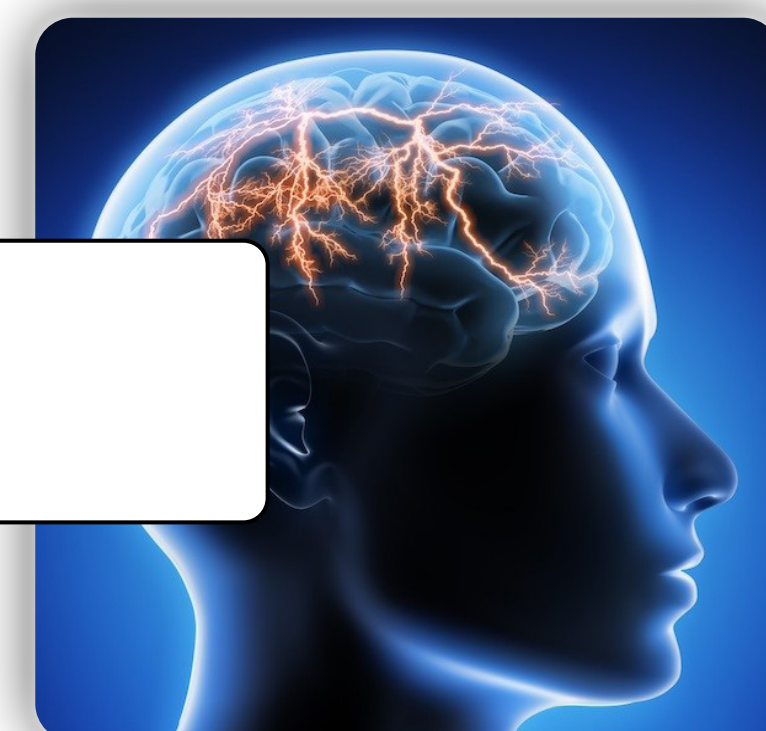
PARKINSON



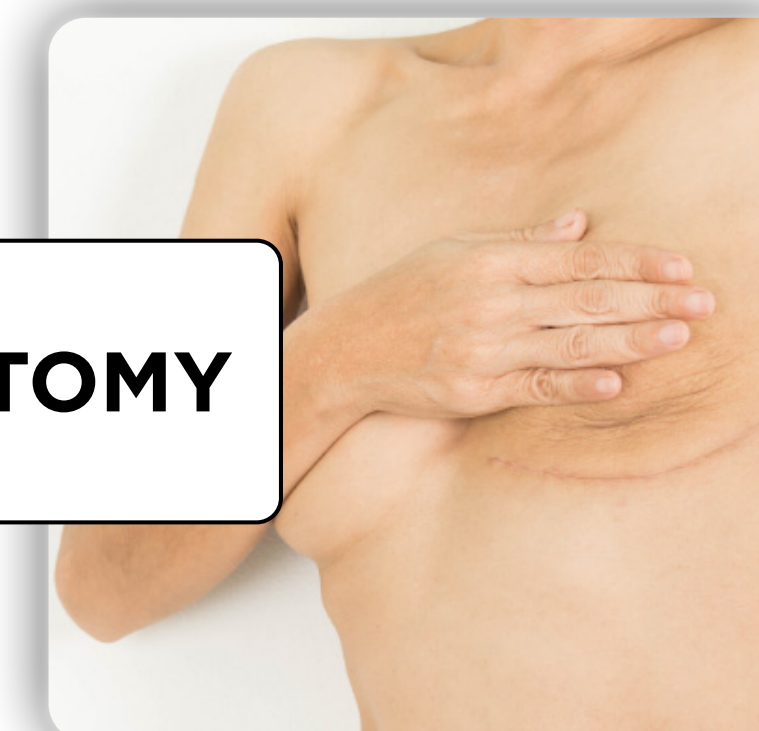
ALZHEIMER



STROKE



POST-MASTECTOMY



SARCOPENIA



A VIRTUAL SPECIALIST IN A SMART MIRROR



Real-time biofeedbacks:

AI guides the patient with vocal synthesis and instantaneous bio-feedback, through colors and sounds, tracks mobility, balance, posture, therapy adherence... and much more!

A mirror for self-correction:

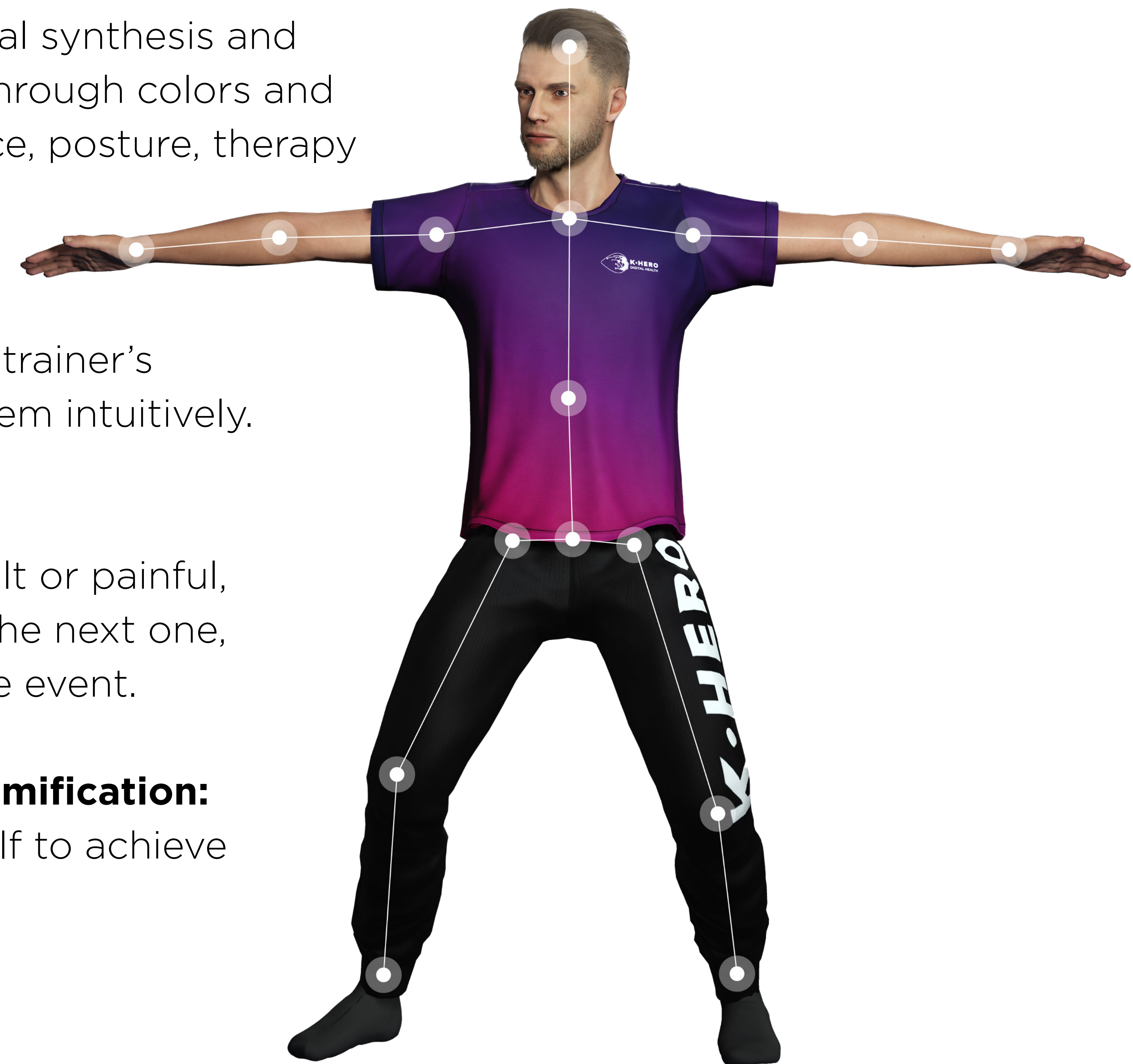
The patient follows the virtual trainer's movements, understanding them intuitively.

Safe therapy:

If the exercise becomes difficult or painful, the device stops it, moves to the next one, and informs the clinician of the event.

Multilingual voice support Gamification:

Constantly challenging yourself to achieve better results!



ACHIEVED RESULTS



Clinicians confirm K-HERO® as a VALUABLE SUPPORT in daily clinical practice

Clinical tests have confirmed that **the patients**, including those affected by neurological pathologies, **can safely use the device in telerehabilitation.**

Clinical trials have shown significant improvements in patients with neuromotor disorders.



Start of therapy
The patient needs a walker and physiotherapist's support to stay standing.

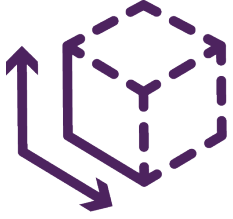
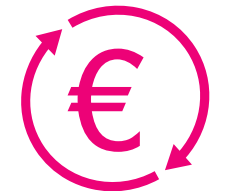


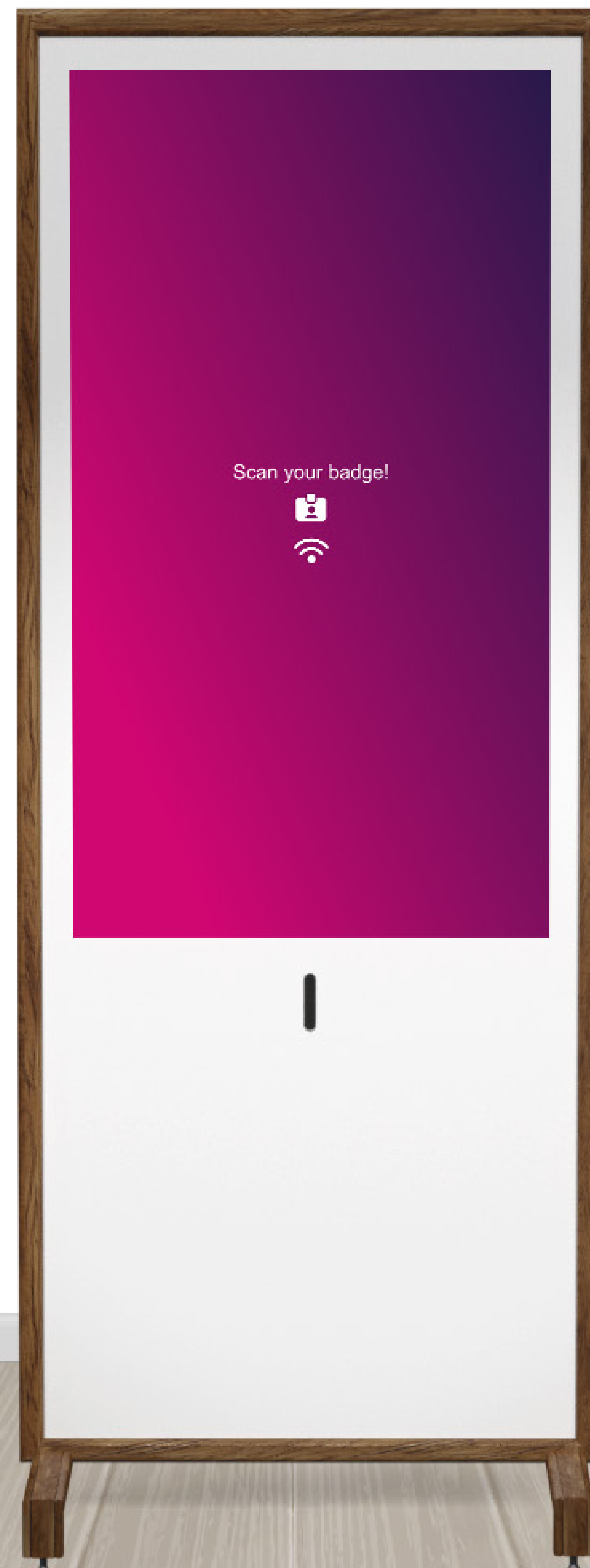
Same session, 15 minutes later
The patient is able to do therapy independently and without support.

Touch pictures to play the videos

K•ONE

Optimizes therapy management in the clinic

-  219x84x75 cm
-  Wide angle lens
-  55" high-resolution touchscreen
-  Voice support
-  NFC authentication
-  Reimbursable device



K•ONE

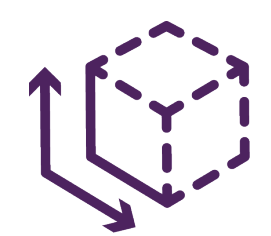
Creates multiple hotspots to manage simultaneous treatments



K-PRO

The device to support clinicians in the clinic

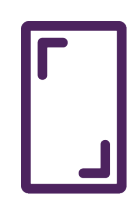
- Patient triage
- Patient screening
- Static and dynamic poses analysis
- Therapy management



195x65x55 cm



Wide angle camera



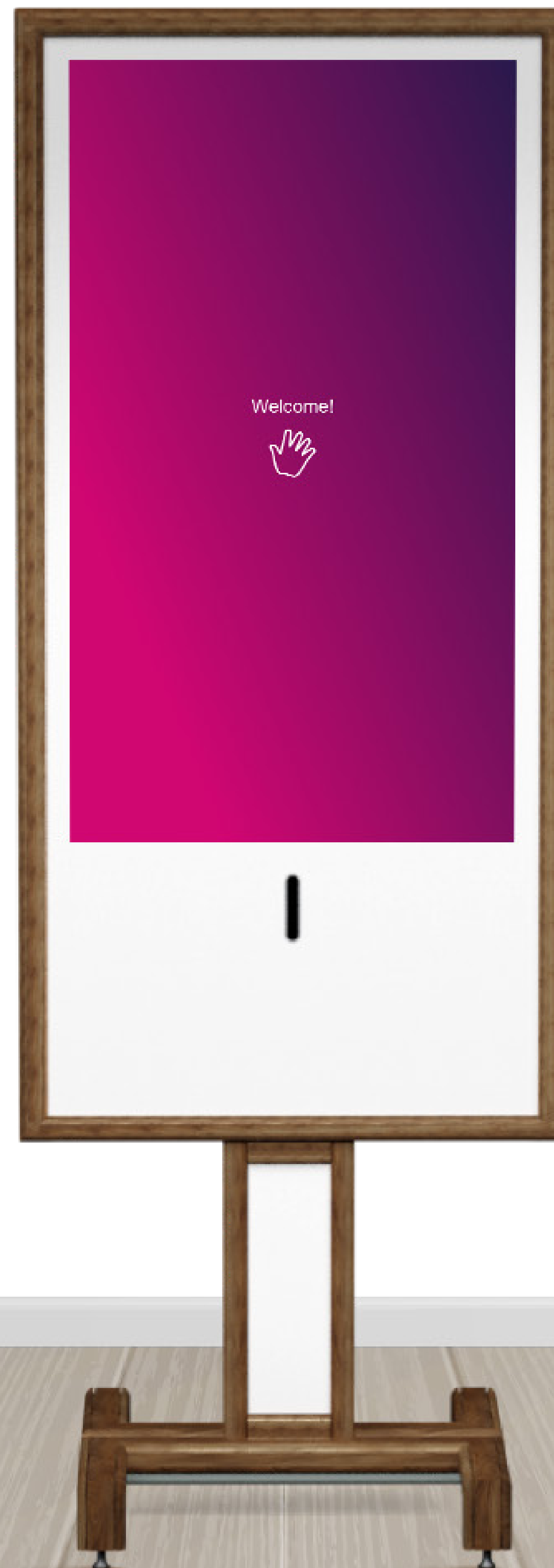
43" high-resolution screen



Voice support



Reimbursable device



An evidence-based Medical Device



K•PRO

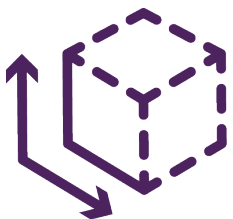
The ideal ally inpatient journey management



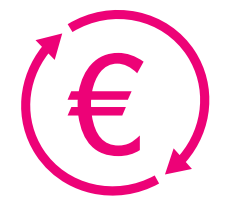
K•BOX

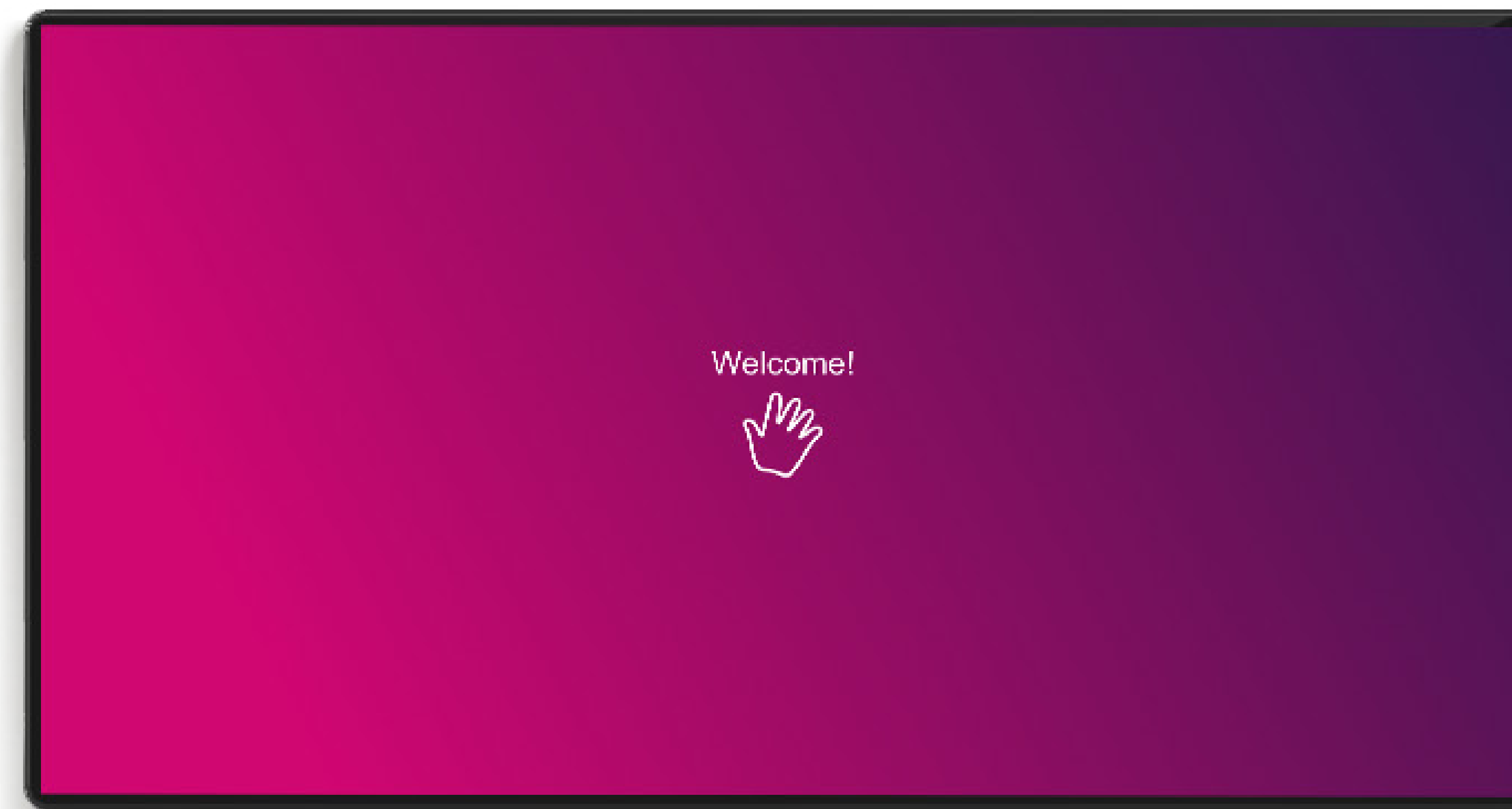
The device for home rehabilitation

- Compatible with all TVs and projectors
- Requires only a HDMI cable
- Small and easy to use

 14x18x18 cm

 Wide angle camera

 Reimbursable device

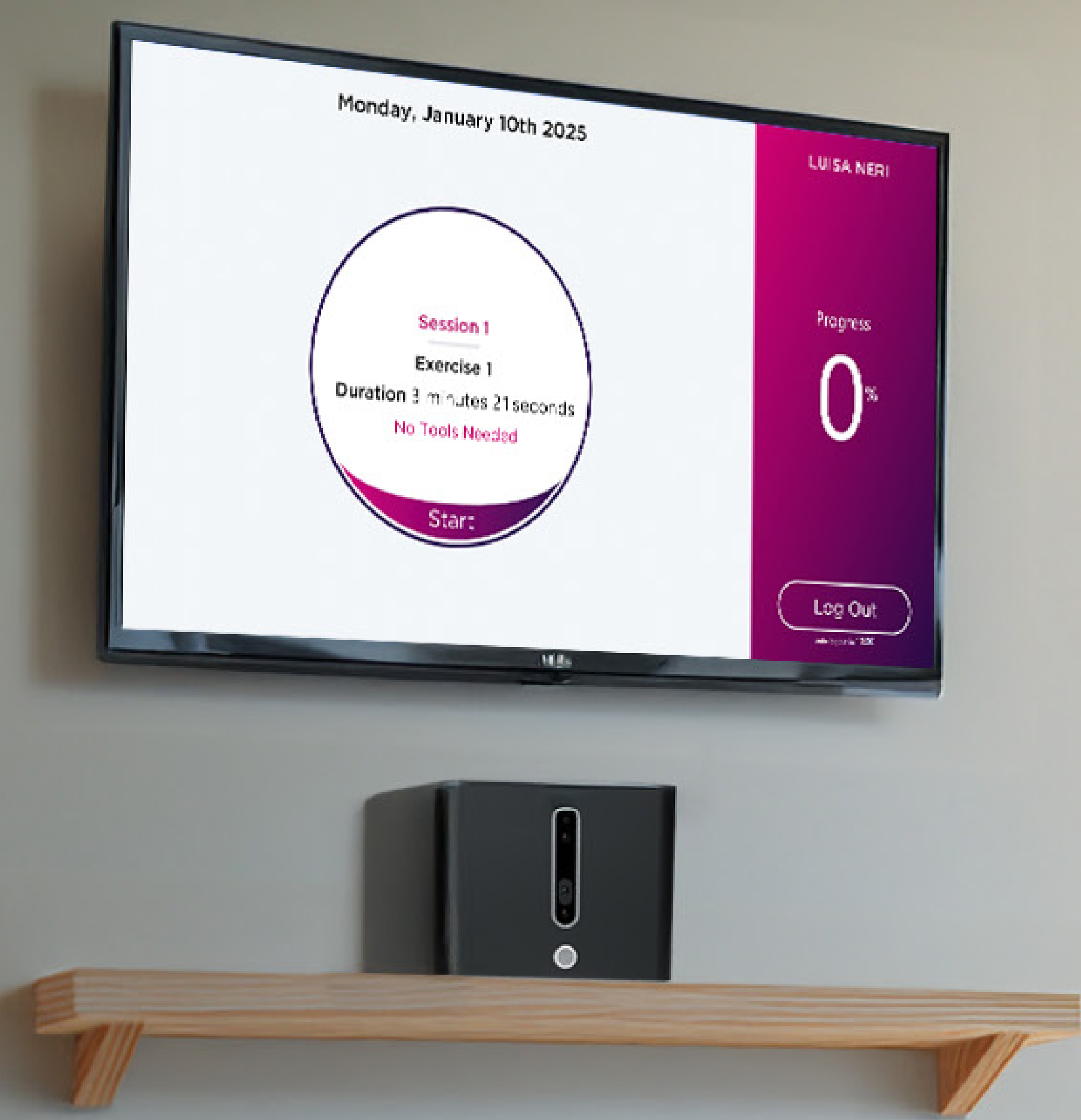


An evidence-based Medical Device



K•BOX

The bed-based
rehabilitation device



K•APP

1 Application, 2 access modes

- **CLINICAL MODE**

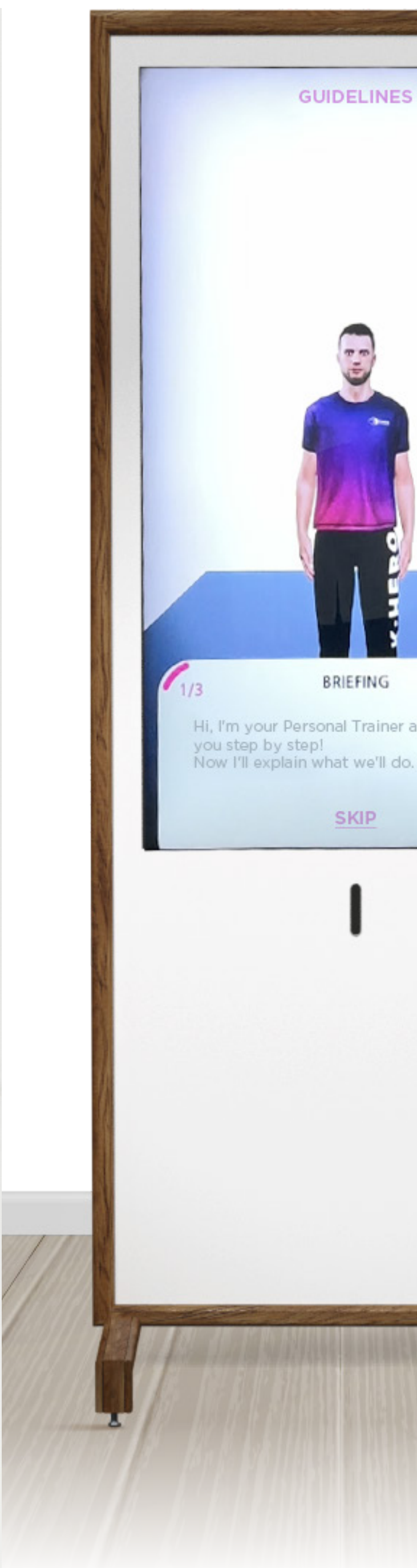
For **K•HERO®** devices, therapy, patient clinical diary management

- **PATIENT MODE**

For **K•HERO®** devices and health parameters management (e.g.: heart rate, sleep quality, blood oxygen levels and all such derived from optional wearables eventually connected to K•APP)

Main features:

- Remote control of K•HERO® devices
- Health diary
- Falls diary
- Symptoms and pathologies registry
- Push notifications and reminders



K•CLOUD

The cloud platform to manage triage, clinical diaries and patient therapies

During triage, K•CLOUD suggests the best protocol for the patient being visited, however the clinician will be able to decide whether to proceed with a tailored treatment.

The patient's clinical diary automatically sources the data collected by K•HERO devices during treatments. Clinicians can easily observe the overall situation or go into detail, cross-referencing or filtering data.

Among the most important data we find: mobility trend, therapy adherence, balance, posture, and motor difficulties. In case of use of the K•APP in association with wearable devices: heart rate, sleep quality, physical activity, blood oxygen levels etc.



- **PATIENT REGISTER**
- **15 FUNCTIONAL TESTS**
- **INSTRUMENT DATA LOG**
- **SYMPTOMS AND PATHOLOGIES LOG**

- **FALLS DIARY**
- **THERAPY MANAGEMENT**
- **CLINICAL DIARIES**

Certified platform

HDS
(Healthcare Data Hosting)

ISO14001

**Public
Cloud**

ACN

**GDPR
compliant**

ACCREDITATIONS AND PARTNERSHIPS

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Innovation in motor rehabilitation

K•Hero is a Drop Digital Health s.r.l.
registered trademark



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