

KNRI



KMRI





SIMPLE and INNOVATIVE

Kari is a CE certified class 1/m medical device consisting in a **wearable inertial sensor** and a dedicated **app** that guides the patient through a **personalized** rehabilitation/exercise therapy program.

The system is highly **innovative**, extremely **portable** and **easy to use** for both the patient and the professional. Kari supports the patient while performing the exercises both in the clinic and at home, helping professionals maintain high **motivation** and contact when patients leave the clinic/ center.

Through a **web app** with personal access, the professional can create personalized exercise programs, assign them to their patients and monitor the results and progress of the exercises performed, even at home.

Kari is the ideal solution to allow patients to integrate/continue the pathway started in the center with home exercises, with remote monitoring of the professional





Kari guides the patient clearly and easily through a personalized exercise program created by the professional

The use of KARI is extremely **simple**, the app guides the patient step by step both in the preparation for the exercises and in their execution.

Thanks to the **video guide** and the **biofeedback** of the movement recorded by the sensor, the patient performs the exercises in an accurate and motivated way, both in the clinic/center and on the comfort of his/her own home.

With each repetition the patient is rewarded: the score increases, the general indexes of Kari increase and **the motivation increases too**. Every day the challenge is renewed and the patient will try to improve the results of the previous day.

1

Wear the sensor



2

Perform the exercises



3

Get rewards





Video guide and real time biofeedback to improve motivation and accuracy of movement

During the exercise, a **video guide** on the screen indicates to the patient the movement to be performed and the relative rest and work values to be reached.

The green graph represents the angle reached in real time by the patient and the yellow target represents the rest and work angle in terms of difficulty level.





Starting the daily exercise program is extremely **easy** even for older patients

Before starting the exercise session, Kari reminds the patient which **tools** are **needed** to perform today's exercises. If the patient does not have one of these available, the software will suggest an **alternative object**, easily found at home, or will automatically skip the exercises that require its use.

TODAY'S PROGRAM KARI

These are your exercises for today: get ready!

●●●●●●●● 20 minutes

8 exercises

Take these tools, you will need them for your training:

 **BALL**  **BANDS**  **STEP**  **FITBALL**

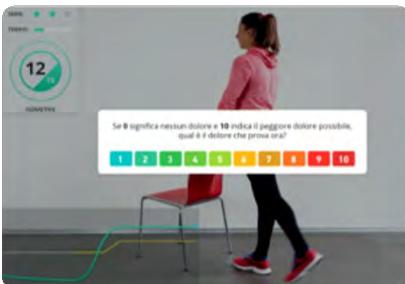
Tap on the ones you don't have to deactivate the exercises that use them, or to learn how to replace them

Integrated chat and video call functions guarantee fast and secure communications

If an exercise is too difficult or causes pain, the patient can stop it at any time **by simply clicking** on the screen and specifying the problem.

In the event that pain is perceived, the app will allow the patient to indicate the perceived level. **The professional will be notified of the difficulty encountered** and the intensity of the pain accused, and will be able to choose whether to contact the patient in chat or to arrange a video call.

Chat and video calls are integrated both in the professional's web application and in the tablet supplied to the patient.



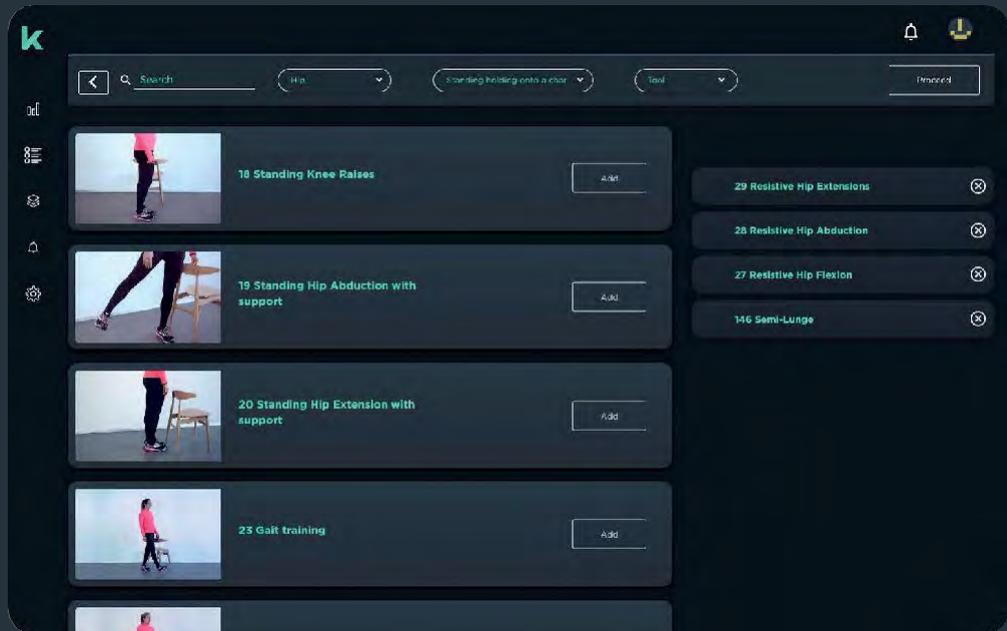
Creating exercise programs is extremely **fast** and **simple** thanks to the web application

A **web application** with personalized access for the professional allows to comfortably manage all necessary data: registration of patients, creation of programs of exercises, visualization of the results, management of chats and video-calls with patients.

Thanks to the collaboration with prestigious clinics/hospitals and movement professionals, Euleria created a **large database of exercises**, many of them purely specific for rehabilitation after hip/knee replacement, LCA reconstruction, or specific for recovery after injuries to the ankle-foot joint complex. Exercises for balance, spine and upper limbs are also included.

The database is **constantly enriched** and in continuous evolution to cover the greatest number of indications possible.





The creation of personalized exercise programs is very simple and fast: it is necessary to access the **web application**, select the exercises from the list (preset filters facilitate this process) and proceed with the customization of the duration and work side (right, left, both). The selected duration automatically sets the number of repetitions or the duration of the exercise in seconds (for balance exercises).

The **difficulty level** in terms of range of movement is set directly in the app: before the execution of each exercise, the patient is asked to perform a couple of repetitions in order to set the exercise on that specific value and **make it perfectly customized on the patient**.

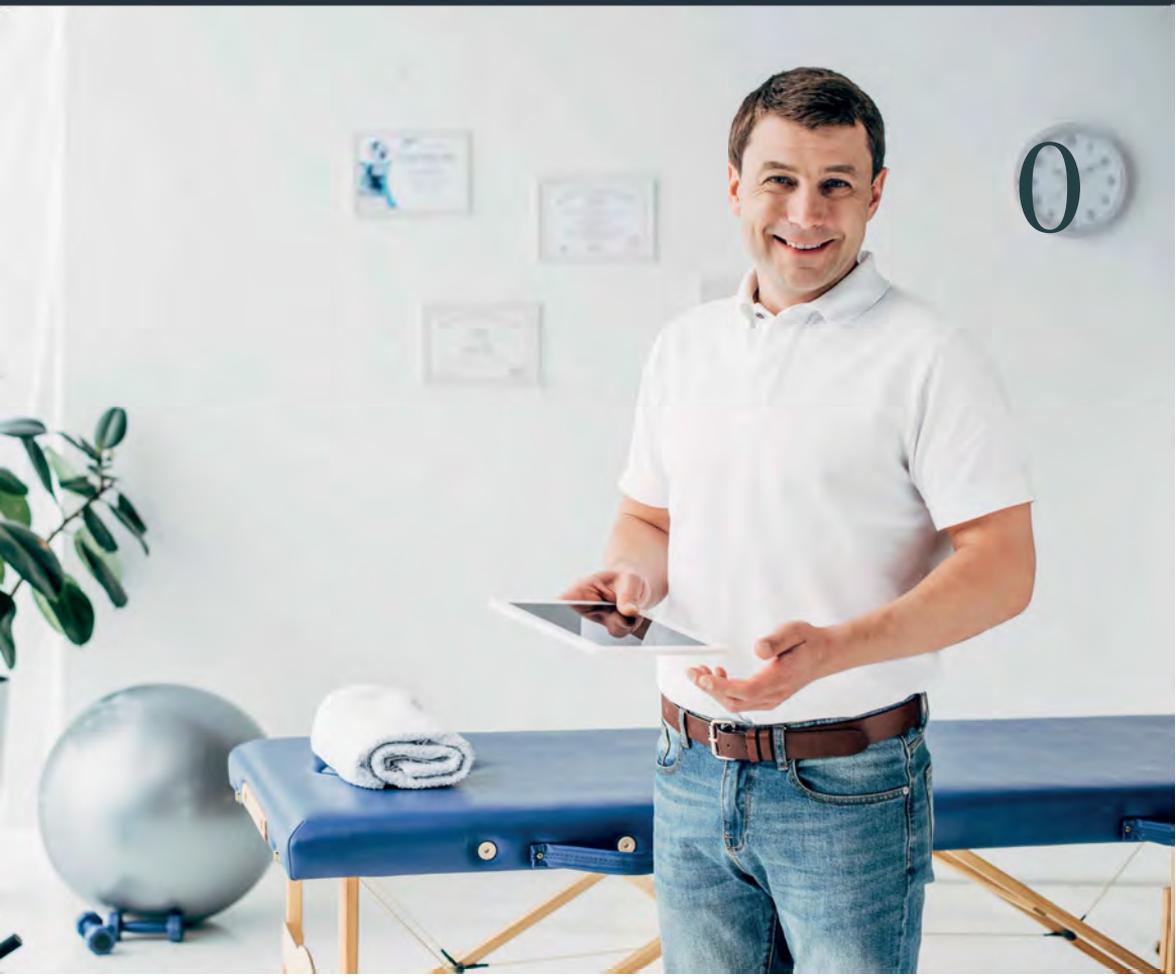
Each exercises program created can be performed in the clinic/center and can also be assigned to one or more patients at home.

At the end of the exercise program, the professional can monitor results and progresses via web application

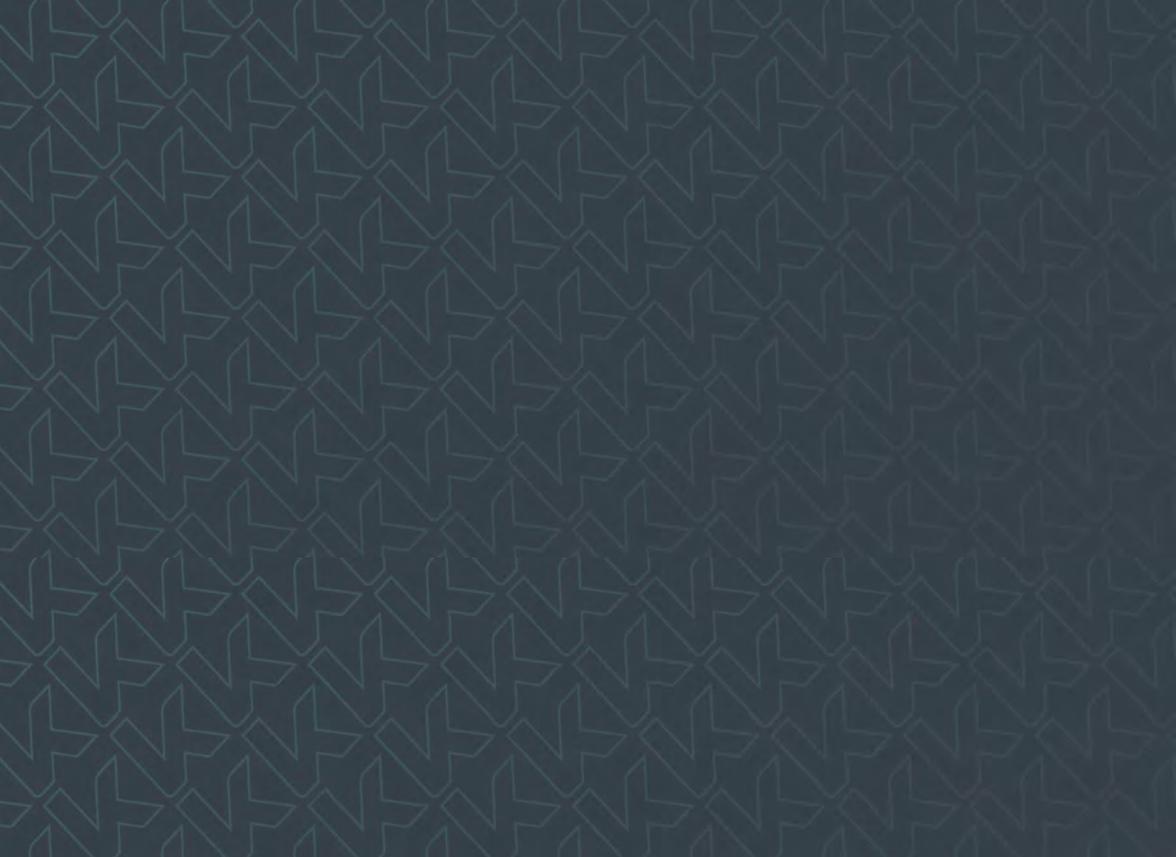
The web application dedicated to the professionals allows in a simple and fast way not only to create exercise programs, but also to consult the results of all the exercises performed with Kari by patients both in the clinic and at home.

Useful and detailed information is made available for each exercise performed, starting from the **score** achieved (obtained as a mix of quality and quantity) up to the graph of the **movement** recorded by the sensor.

In addition, the professional receives **notifications** every time a patient completes a session of exercises, reporting and quantifying the possible presence of pain or difficulty encountered during the execution of one or more exercises.







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