

Kikuhime TeleCare

– new medically approved telemedicine for optimization of compression treatment

Better care management

Kikuhime TeleCare provides more efficient management of compression treatment, i.e. Oedema or venous ulcers, by continuously monitoring of the compression and automatically transmission of pressure data (mmHg) via e-mail.

New insight and flexibility

The teleconnected pressuremeter enables the nurse to ensure correct pressure both during application of the subbandage and continuously for up to 3 days during wear. Thus it is possible to control whether compression pressure is still correct without a home visit; A new option for freeing of resources within a time-consuming treatment area.

Improved healing and independence

The continuous remote monitoring and overview of the subbandage compression provides a strong potential of improving healing, independence and selfmanagement, thus improving the quality of life of a person living with a long-term condition such as venous ulcers or Oedema.

Innovation by TT Meditrade

Kikuhime TeleCare is a novel innovation and the new generation of Kikuhime Subbandage Pressure Measuring Device, used worldwide, developed by TTMeditrade. For more information: www.ttmeditrade.dk

Kikuhime TeleCare: (Image)

The key components of Kikuhime TeleCare are 1) a Smartphone with a Kikuhime TeleCare app and telecommunication software, 2) a measuring unit with wireless connection to the Kikuhime Telecare App, 3) two sensors connected to the measuring unit 4) a pocket for the measuring unit to be attached to the lower leg of the patient.

Sensors and measuring unit (image with sensors and smartphone)

- The two sensor cushions for distal and proximal measurements (CEN European Pre-Standard) are placed on paddings and reliefs on the lower leg of the patient before applying the compression bandage.
- When applying the compression bandage on each sensor, the Kikuhime TeleCare app will display the actual pressure. Apply bandage in accordance with prescribed pressure limits.
- The sensors measure the actual pressure with a measuring range from 10 to 80 mmHg.
- The small measuring unit is attached to the leg in a pocket and easily hidden under the clothes allowing the patient to move freely and continue everyday life.
- The measuring unit automatically stores and transfers the pressure values to the Kikuhime TeleCare app whenever the patient is within 5-10 meters of the smartphone.

Daily e-mail to healthcare staff (image with app/computer)

- The app will – via telecommunication software - forward an email to the chosen healthcare staff every 24 hour with the stored pressure measurements displayed in two graphs. An “email alarm” can be sent to the health care staff indicating when the pressure values have dropped towards the limit and it is time to visit the patient at home and change compression bandage.

Measurements displayed in graphs (graph image)

- All measurements of the pressure values are stored in the Kikuhime TeleCare app and will be displayed in two graphs; one for distal and one for proximal measurements.
- The graph shows blue pillars with the pressure marked with the hour and date
- Pressure values will be displayed as a horizontal green line for the intended pressure and a horizontal red line is shown to indicate the lower limit.

Safety and step-by-step training video

The Kikuhime TeleCare user manual has to be read carefully before the equipment is put into operation. To help understanding and get clear guidance on how to apply and use the Kikuhime TeleCare equipment a step-by-step educational 3D video is available on the smartphone.