

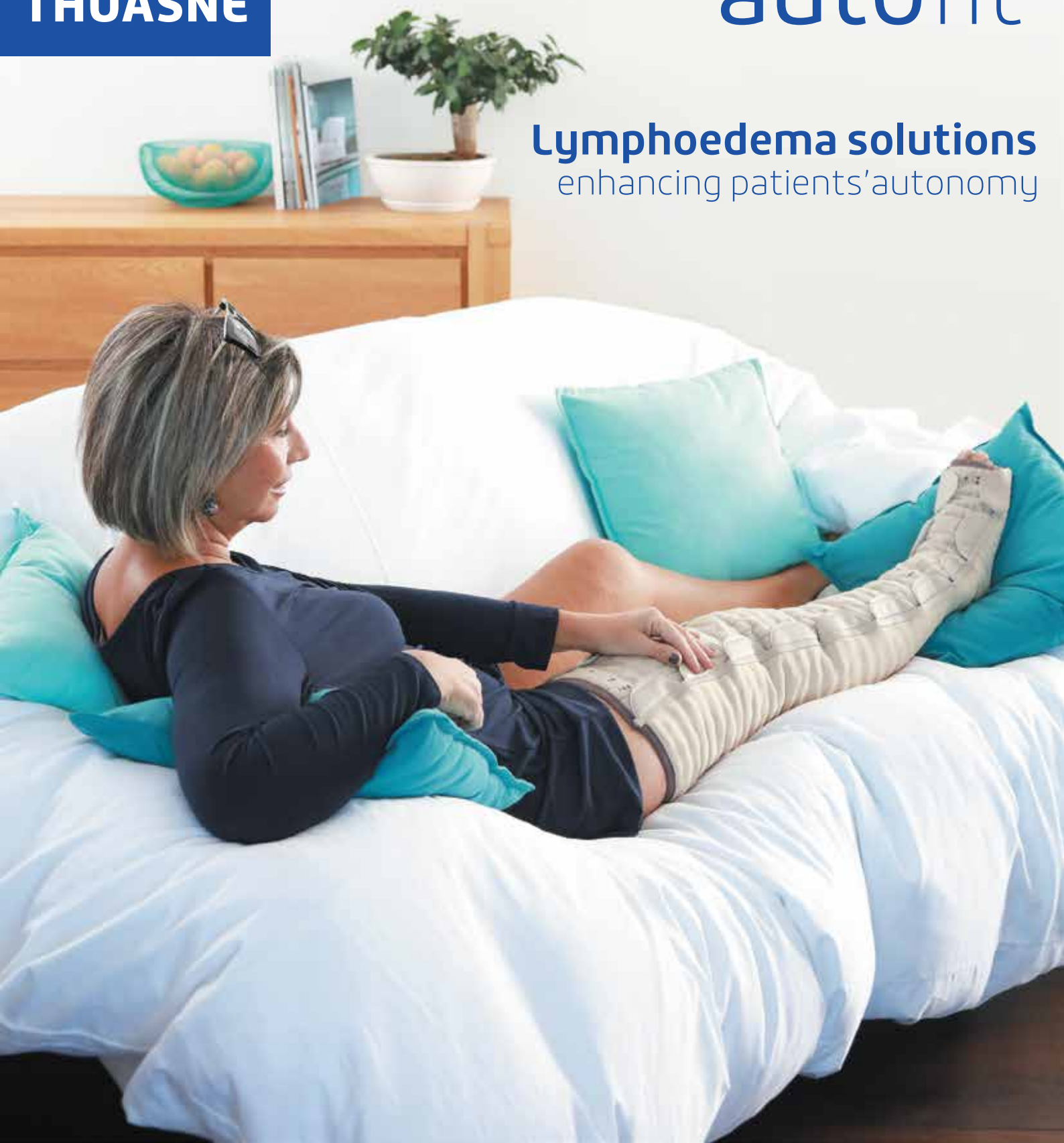
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**THUASNE**

# MOBIDERM autofit

**Lymphoedema solutions**  
enhancing patients' autonomy





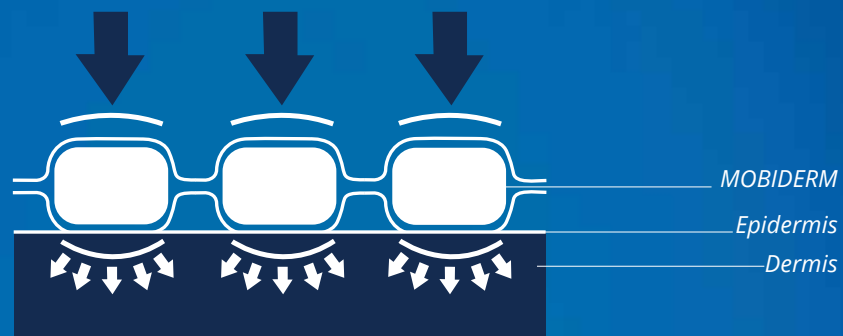
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# About **MOBIDERM** DEVICE

**MOBIDERM** is a medical device made up of foam cubes encased between two non-woven bandages. The **MOBIDERM** technology can be used under a reducing bandage (in its bandage version or mobilising plate), or incorporated into mobilising garments.

Thanks to the pressure difference it creates between the support area of the cubes and their surrounding area, it improves the flow of lymphatic fluid and optimizes the drainage efficacy.

Through a shearing effect on the edematous subcutaneous tissues, **MOBIDERM** also softens the fibrotic or sclerotic cutaneous areas.



## **MOBIDERM IS A HIGH-TECH ANTI-OEDEMA COMPRESSION DEVICE**

### • **EFFECTIVE**

- rapid reduction of the volume of the oedema,
- softening of fibrotic, sclerotic or edematous skin.

### • **PRACTICAL**

- light, comfortable and flexible, it enables the patient to keep the freedom of movement and hence the limb's drainage capacity.

### • **COMFORTABLE**

- soft skin contact,
- conformability of product for improved anatomical fit.



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# Interest of an auto-adjustable night-time compression sleeve (MOBIDERM autofit)

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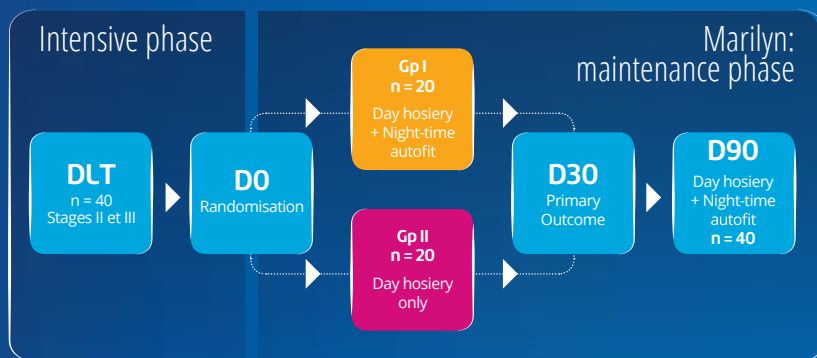
## INTRODUCTION:

Rebound effect of lymphoedema volume is observed after Decongestive Lymphoedema Therapy (DLT) in patients with Breast Cancer Secondary Lymphoedema (BCSL). Successful outcomes of lymphoedema long term treatments are depending on patient compliance.

## OBJECTIVE:

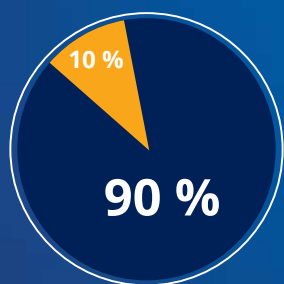
The main objective of this proof of concept study was to assess the efficacy and safety of **MOBIDERM autofit** as night treatment for maintenance phase after DLT on top of daily Thuasne Lymphology compression. Secondary objectives were to assess compliance and satisfaction of patients equipped with **MOBIDERM autofit** device.

## DESIGN:



### Description of the population (Years)

- Mean age : **67**
- Mean time since diagnosis of breast cancer: **11**
- Mean time since lymphoedema diagnosis: **7**
- Lymphoedema Stages: **II, III**



## COMPLIANCE RESULTS:

How often have you worn **MOBIDERM autofit** during the study? (both Gp I and II)

**90 % of patients have worn MOBIDERM autofit every night**

■ Every night ■ 4 to 6 days per week

## SATISFACTION RESULTS\*:

How would you rate **MOBIDERM autofit**?

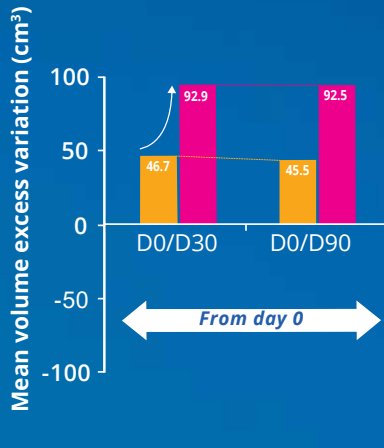
- |                              |   |                         |
|------------------------------|---|-------------------------|
| Easy / Very easy to put on   | → | <b>70 %</b> of patients |
| Quick fitting                | → | <b>85 %</b> of patients |
| Useful self adjustment       | → | <b>89 %</b> of patients |
| Easy / Very easy to take off | → | <b>98 %</b> of patients |
| Comfortable                  | → | <b>90 %</b> of patients |

**82 % of the patients**  
already wearing compression  
do prefer  
**MOBIDERM autofit**

\* Patient questionnaire submitted to each enrolled patient at the end of the study

# In maintenance phase of upper limb lymphedema: the MARILYN pilot RCT

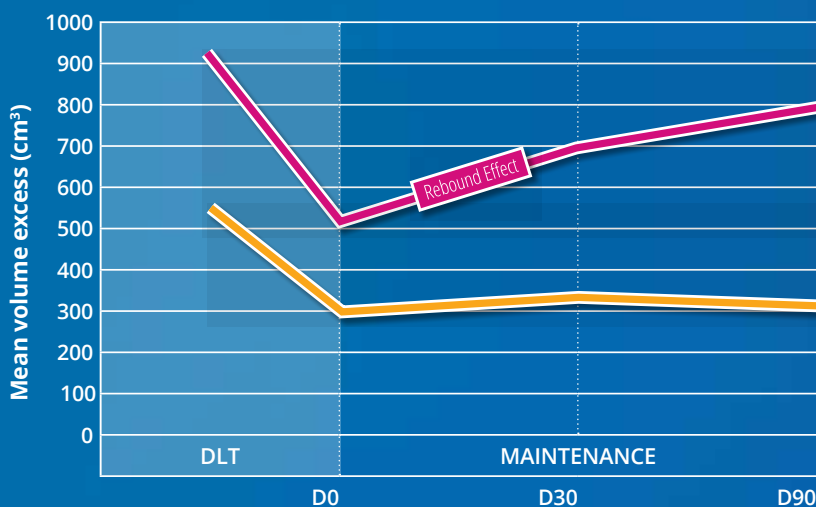
## EFFICACY RESULTS:



### Absolute mean volume excess variations (cm<sup>3</sup>)

- Vol excess variation D0/D30 (%): 1,80 in Gp I vs 3,20 in Gp II (NS)
- **D0-D30** : Lymphoedema volume variation is twice in Gp II (without Mobiderm autofit) vs Gp I :  
 > **Limited Rebound Effect in Mobiderm autofit early User**
- **D0-D90** : Volume stabilization observed when using Mobiderm autofit during the 3 months after DLT

- Group I (Night-time Mobiderm autofit as of the 1st month)
- Group II (No night-time treatment during the 1st month)



### Volume variation in High Responders\* (HR) patients (cm<sup>3</sup>)

\*loss of 35% during DLT

**Mobiderm autofit benefit is more pronounced among High Responders to DLT**

- Group I (Night-time Mobiderm autofit as of the 1st month)
- Group II (No night-time treatment during the 1st month)

## CONCLUSION / DISCUSSION:

Results of primary criterion suggest that **MOBIDERM autofit** tends to limit rebound effect of lymphedema after DLT, especially in patients who were strongly responsive to DLT. Between D30 and D90, study period in which all 40 patients were fitted with the study medical device, a lymphedema volume stabilizing effect is observed.

Results of secondary criteria show that **MOBIDERM autofit** displays favorable characteristics that increase patient's independence from specialized medical staff or relatives while keeping high level of patient's compliance in maintenance phase.

**MOBIDERM autofit** night sleeve, on top of daily compression, could offer benefit to patients during maintenance phase of lymphedema treatment and enhances patient's autonomy.

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# UPPER LIMB : ARMSLEEVE



Several tightening notches:  
**adaptation to each patient's individual morphology.**  
Adjustment marks:  
**precise and repeatable application, control of the oedema volume variation**



Velcro fasteners:  
**instant setup and high performance**

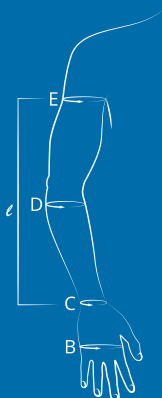


Semi-open garment:  
**easy to put on, easy to take off!**



Sleeve with attached retractable mitten:  
**limits the risk of oedema migration; the hand can be freed for usual tasks**

Anatomical markers



Axillary arm circumference (e)

Forearm circumference (at the widest point) (d)

Wrist circumference (c)

Hand circumference (b)

Normal  $\ell = 40 - 45$  cm

PIP-Codes

Long  $\ell = 45 - 50$  cm

## MOBIDERM autofit ARMSLEEVE : RIGHT ARM

T1	25 - 32	22 - 28	15 - 19	17 - 21	400-9056	400-8991
T2	29 - 36	24 - 30	16 - 20	17 - 21	400-9064	400-9007
T3	33 - 40	26 - 32	17 - 21	18 - 22	400-9072	400-9015
T4	37 - 44	28 - 34	17 - 21	18 - 22	400-9080	400-9023
T5	41 - 48	30 - 36	18 - 22	19 - 23	400-9098	400-9031
T6	45 - 52	31 - 37	19 - 23	20 - 24	400-9106	400-9049

## MOBIDERM autofit ARMSLEEVE : LEFT ARM

T1	25 - 32	22 - 28	15 - 19	17 - 21	400-8934	400-8876
T2	29 - 36	24 - 30	16 - 20	17 - 21	400-8942	400-8884
T3	33 - 40	26 - 32	17 - 21	18 - 22	400-8959	400-8892
T4	37 - 44	28 - 34	17 - 21	18 - 22	400-8967	400-8900
T5	41 - 48	30 - 36	18 - 22	19 - 23	400-8975	400-8918
T6	45 - 52	31 - 37	19 - 23	20 - 24	400-8983	400-8926

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# LOWER LIMB : SOCK OR THIGH-HIGH STOCKING



Semi open garment :  
easy to put on, easy to take off



Several tightening notches:  
adaptation to each patient's individual  
morphology

Adjustment marks:  
precise and repeatable application,  
control of the oedema volume variation



Anti-slip sole :  
limits slippage when walking



Velcro fasteners:  
instant setup and high performance

Double row :  
wide adaptation range, allows right or  
left leg use

## SOCK

MOBIDERM autofit sock						
Ankle level (B)	Calf level (C)	Knee level (D)	PIP-Codes (unique code right/left leg)			
			Short ℓ (D) : 38 - 40 cm	Normal ℓ (D) : 40 - 42 cm	Long ℓ (D) : 42 - 44 cm	Xtra Long ℓ (D) : 44 - 46 cm
16-24	24-35	25-36	405-0431	405-0399	405-0530	405-0480
20-28	32-43	32-43	405-0449	405-0407	405-0522	405-0498
24-32	40-51	39-50	405-0456	405-0415	405-0548	405-0506
28-36	48-59	46-57	405-0464	405-0423	405-0555	405-0514

## THIGH-HIGH STOCKING

MOBIDERM autofit THIGH-HIGH STOCKING						
Ankle level (B)	Calf level (C)	Thigh level (cG)	PIP-Codes(unique code right/left leg)			
			Short ℓ (G) : 67 - 72 cm	Normal ℓ (G) : 72 - 77 cm	Long ℓ (G) : 77 - 82 cm	Xtra Long ℓ (G) : 82 - 87 cm
16-24	24-35	46-57	405-0357	405-0563	405-0282	405-0316
20-28	32-43	53-65	405-0365	405-0571	405-0274	405-0324
24-32	40-51	61-72	405-0373	405-0589	405-0308	405-0340
28-36	48-59	68-80	405-0381	405-0597	405-0290	405-0332

# MOBIDERM autofit

*The **MOBIDERM** standard, self-adjustable sleeve, to adapt to each patient's individual morphology and evolution overtime!*

Taking over from day-time compression and as a genuine alternative to self-bandaging, **Mobiderm garments have been developed to continue mobilising the œdema during the night, and thereby reinforce the effects of the day-time treatment.**

These garments are made of a soft elastic material designed to deliver a soft pressure, well-accepted by patients in the night-time phase. They are fitted with the Mobiderm device on the inside, which helps promote lymphatic circulation with micro-massages.

- **Rapid application:** a single garment to put on.
- **An unintrusive and discreet treatment:** works during sleep without disturbing it
- **A unique night-time treatment:** helps preserve effects achieved by day-time compression and continue the night-time treatment without interruption.



Standard products:  
**fast delivery!**

# MOBIDERM autofit

The **MOBIDERM** standard, self-adjustable sleeve, to adapt to each patient's individual morphology and evolution overtime!

## FOR WHICH PATIENTS?

- For all stages of lymphoedema
- To be used during the maintenance phase or at the end of the reduction phase
- For patients presenting dysmorphisms or progressive oedema
- For patients who wish autonomous control of their oedema
- For patients who need a product immediately

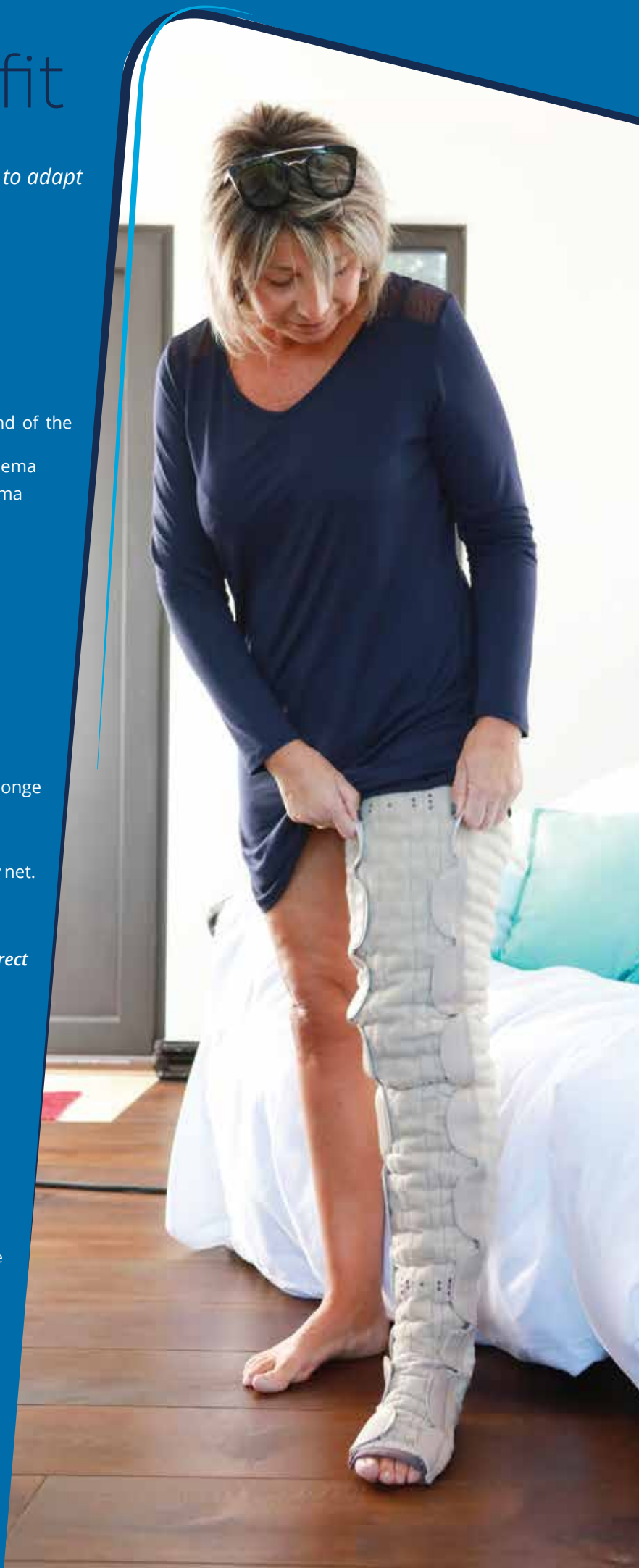
## CARE INSTRUCTIONS:

*Close the velcro fasteners prior to washing.*

### Two wash options are possible:

- **Hand wash:**  
Soak the device in cold soapy water, rub with a clean sponge and squeeze the water out by pressing.
- **Machine wash:**  
Use the wool cycle, at cold temperature, and use a laundry net. Hand squeeze the water out by pressing.

*In both cases, let dry at room temperature away from any direct source of heat.*



### Anatomical markers :

- B : ankle circumference (at the narrowest point)
- C : calf circumference (at the widest point)
- D : below knee circumference (on the head of the fibula)
- G : thigh circumference (at the widest point)
- ∠D : floor-to-knee height (for the sock - measurement taken below the bend of the knee, back side)
- ∠G : floor-to-thigh height (for the thigh-high stocking - measurement at the gluteal fold)

