Mobiderm
autofit

Lymphedema solutions
enhancing patients' autonomy
MOBIDERM autofit

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

DESCRIPTION:

- For upper limb lymphedema: MOBIDERM autofit self-adjustable armsleeve, with mitten and thumb

- For lower limb lymphedema: MOBIDERM autofit self-adjustable sock or thigh-high stocking

FOR WHICH PATIENTS?

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

MAIN COMPONENTS:

- Outer layer of the garment: 59% polyamide, 41% elastane
- Mobiderm along the arm / the leg: adhesive non-woven, polyurethane foam (15 x 15 mm cubes)
- Mobiderm hand / foot level: adhesive non-woven, polyethylene foam (5 x 5 mm cubes)

Standard products: fast delivery!
### Upper Limb: Armsleeve

**Patented Device**

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 edema volume variation.

Velcro fasteners: instant setup and high performance.

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

### Anatomical Markers

<table>
<thead>
<tr>
<th></th>
<th>Axillary arm circumference (c)</th>
<th>Forearm circumference at the widest point (d)</th>
<th>Wrist circumference (c)</th>
<th>Hand circumference (b)</th>
<th>Reference Normal (c) - 40 - 45 cm</th>
<th>Reference Long (c) - 45 - 50 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MOBIDERM autofit Armsleeve: Right Arm</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T1</td>
<td>25 - 32</td>
<td>22 - 28</td>
<td>15 - 19</td>
<td>17 - 21</td>
<td>37330220100261</td>
<td>37330220100271</td>
</tr>
<tr>
<td>T2</td>
<td>29 - 36</td>
<td>24 - 30</td>
<td>16 - 20</td>
<td>17 - 21</td>
<td>37330220200261</td>
<td>37330220200271</td>
</tr>
<tr>
<td>T3</td>
<td>33 - 40</td>
<td>26 - 32</td>
<td>17 - 21</td>
<td>18 - 22</td>
<td>37330220300261</td>
<td>37330220300271</td>
</tr>
<tr>
<td>T4</td>
<td>37 - 44</td>
<td>28 - 34</td>
<td>17 - 21</td>
<td>18 - 22</td>
<td>37330220400261</td>
<td>37330220400271</td>
</tr>
<tr>
<td>T5</td>
<td>41 - 48</td>
<td>30 - 36</td>
<td>18 - 22</td>
<td>19 - 23</td>
<td>37330220500261</td>
<td>37330220500271</td>
</tr>
<tr>
<td>T6</td>
<td>45 - 52</td>
<td>31 - 37</td>
<td>19 - 23</td>
<td>20 - 24</td>
<td>37330220600261</td>
<td>37330220600271</td>
</tr>
<tr>
<td><strong>MOBIDERM autofit Armsleeve: Left Arm</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T1</td>
<td>25 - 32</td>
<td>22 - 28</td>
<td>15 - 19</td>
<td>17 - 21</td>
<td>37330220100262</td>
<td>37330220100272</td>
</tr>
<tr>
<td>T2</td>
<td>29 - 36</td>
<td>24 - 30</td>
<td>16 - 20</td>
<td>17 - 21</td>
<td>37330220200262</td>
<td>37330220200272</td>
</tr>
<tr>
<td>T3</td>
<td>33 - 40</td>
<td>26 - 32</td>
<td>17 - 21</td>
<td>18 - 22</td>
<td>37330220300262</td>
<td>37330220300272</td>
</tr>
<tr>
<td>T4</td>
<td>37 - 44</td>
<td>28 - 34</td>
<td>17 - 21</td>
<td>18 - 22</td>
<td>37330220400262</td>
<td>37330220400272</td>
</tr>
<tr>
<td>T5</td>
<td>41 - 48</td>
<td>30 - 36</td>
<td>18 - 22</td>
<td>19 - 23</td>
<td>37330220500262</td>
<td>37330220500272</td>
</tr>
<tr>
<td>T6</td>
<td>45 - 52</td>
<td>31 - 37</td>
<td>19 - 23</td>
<td>20 - 24</td>
<td>37330220600262</td>
<td>37330220600272</td>
</tr>
</tbody>
</table>
# LOWER LIMB:
## BELOW KNEE OR THIGH-HIGH STOCKING

### PATENTED DEVICE
- 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 edema 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

### BELOW KNEE

<table>
<thead>
<tr>
<th>Ankle level (B)</th>
<th>Calf level (C)</th>
<th>Knee level (D)</th>
<th>Short ( \ell (D) : 38 - 40 \text{ cm} )</th>
<th>Normal ( \ell (D) : 40 - 42 \text{ cm} )</th>
<th>Long ( \ell (D) : 42 - 44 \text{ cm} )</th>
<th>Xtra Long ( \ell (D) : 44 - 46 \text{ cm} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1 16-24</td>
<td>24-35</td>
<td>25-36</td>
<td>37340120100231</td>
<td>37340120100232</td>
<td>37340120100233</td>
<td>37340120100234</td>
</tr>
<tr>
<td>T2 20-28</td>
<td>32-43</td>
<td>32-43</td>
<td>37340120200231</td>
<td>37340120200232</td>
<td>37340120200233</td>
<td>37340120200234</td>
</tr>
<tr>
<td>T3 24-32</td>
<td>40-51</td>
<td>39-50</td>
<td>37340120300231</td>
<td>37340120300232</td>
<td>37340120300233</td>
<td>37340120300234</td>
</tr>
<tr>
<td>T4 28-36</td>
<td>48-59</td>
<td>46-57</td>
<td>37340120400231</td>
<td>37340120400232</td>
<td>37340120400233</td>
<td>37340120400234</td>
</tr>
</tbody>
</table>

### THIGH-HIGH STOCKING

<table>
<thead>
<tr>
<th>Ankle level (B)</th>
<th>Calf level (C)</th>
<th>Thigh level (CG)</th>
<th>Short ( \ell (G) : 61 - 72 \text{ cm} )</th>
<th>Normal ( \ell (G) : 72 - 77 \text{ cm} )</th>
<th>Long ( \ell (G) : 77 - 82 \text{ cm} )</th>
<th>Xtra Long ( \ell (G) : 82 - 97 \text{ cm} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1 16-24</td>
<td>24-35</td>
<td>45-57</td>
<td>37350120100231</td>
<td>37350120100232</td>
<td>37350120100233</td>
<td>37350120100234</td>
</tr>
<tr>
<td>T2 20-28</td>
<td>32-43</td>
<td>53-65</td>
<td>37350120200231</td>
<td>37350120200232</td>
<td>37350120200233</td>
<td>37350120200234</td>
</tr>
<tr>
<td>T3 24-32</td>
<td>40-51</td>
<td>61-72</td>
<td>37350120300231</td>
<td>37350120300232</td>
<td>37350120300233</td>
<td>37350120300234</td>
</tr>
<tr>
<td>T4 28-36</td>
<td>48-59</td>
<td>68-80</td>
<td>37350120400231</td>
<td>37350120400232</td>
<td>37350120400233</td>
<td>37350120400234</td>
</tr>
</tbody>
</table>
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.

When not used, the sleeve should be kept flat, with the velcro fasteners closed. If it must be folded, position the hooks pointing outward.

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)
- **6D:** floor-to-knee height (for the sock – measurement taken below the bend of the knee, back side)
- **6G:** floor-to-thigh height (for the thigh-high stocking – measurement at the gluteal fold)
Interest of an auto-adjustable nighttime compression of upper limb lymphedema:

S. Mestre¹ ² & C. Calais¹ & G. Gaillard¹ & M. Nou¹ & M. Pasqualini³ & C. Ben Amor³ & I. Quere¹ ² ⁴
Supportive Care in Cancer - DOI 10.1007/s00520-017-3652-5

1 Internal and Vascular Medicine Department, Hopital St-Eloi, Montpellier, France
2 Female specificity of the dysfunctions of Vascular Interfaces Laboratory EA2992, University of Montpellier and Nimes, France
3 THUASNE, Levallois-Perret, France - 4 Clinical Investigation Center, INSERM CIC 1081, Montpellier, France

INTRODUCTION:
Rebound effect of lymphedema volume is observed after Decongestive Lymphedema Therapy (DLT) in patients with Breast Cancer Secondary Lymphedema (BCSL). Successful outcomes of lymphedema 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.

RESULTS:
Description of the population (Years)
- Mean age: 67
- Mean time since diagnosis of breast cancer: 11
- Mean time since lymphedema diagnosis: 7
- Lymphedema 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

SATISFACTION RESULTS*:
How would you rate MOBIDERM autofit?
- Easy / Very easy to put on: 70 % of patients
- Quick fitting: 85 % of patients
- Useful self adjustment: 89 % of patients
- Easy / Very easy to take off: 90 % of patients
- Comfortable: 90 % 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
sleeve (MOBIDERM *autofit*) in maintenance phase

the MARILYN pilot RCT

EFFICACY RESULTS:

Absolute mean volume excess variations (cm³)

- Vol excess variation D0/D30 (%): 1.80 in Gp I vs 3.20 in Gp II (NS)
- At day 30, 85 % of DLT effect is maintained in Gp I vs 54 % in Gp II

Volume variation in High Responders (HR) patients (cm³)

- MOBIDERM *autofit* benefit is more pronounced among High Responders DLT (Loss of 35 % during DLT - POLIT study, JMV 2014)

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* might sleeve, on top of daily compression, could offer benefit to patients during maintenance phase of lymphedema treatment and enhances patient’s autonomy.
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-EDEMA COMPRESSION DEVICE**

- **EFFECTIVE**
  - rapid reduction of the volume of the edema,
  - 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.

**THUASNE SAS**
120, Rue Marius Auffan - CS10032 - 92309 Levallois-Perret Cedex - France
E-mail : sales.export@thuasne.fr
www.thuasne.biz