



THUASNE®

CHRONIC EDEMAS,
SCAR TREATMENTS
& MAJOR BURNS
2025



Dear Customers,

We are pleased to share with you our new catalog featuring all our chronic edemas, scar treatments & major burns solutions.

In the past year, we have demonstrated our resilience in delivering our solutions despite a fragile geopolitical and economic context. From yarn to delivery, our integrated business model enabled us to limit the impact of these factors.

More than ever, Thuasne® is committed to be by your side as a strong partner, to provide innovative and concrete solutions to improve the mobility and the quality of life of patients. We are currently conducting over 30 clinical, biomechanical and medical-economic studies to evaluate the medical benefits of our solutions.

Discover our new solutions, the result of the exclusive know-how and expertise of our R&D, marketing, design and industrial teams.

In 2025, our aim is to continue providing a range of solutions, services and training to better support you in your day-to-day activities. This year will be marked by the launch of Biflex Self Adjust, Lymphatrex Revolution and Cicatrex Contour.

These projects are a promise of our commitment to you.

We thank you for your trust and wish you a wonderful and successful year.

Delphine Hanton
Chief Executive Officer



Elizabeth Ducottet
Chairman and CEO



175 years of the Thuasne® Group

The know-how of the Thuasne® Group is rooted in Saint-Étienne, having imagined, developed and produced medical devices for over 175 years, allowing everyone to take charge of their own health.

As a result of the shared history of 6 generations of entrepreneurs, Thuasne® offers specific, simple, adapted and innovative health solutions supporting mobility in over 110 countries.

We offer our expertise to patients in the fields of orthopedics (belts, orthoses), medical compression (phlebology, lymphology, healing), femininity (external breast prostheses, underwear) and home care.

“Made in Thuasne®”: the ability to control the whole **value chain**

Because Thuasne® pursues the objective of offering patients and healthcare professionals effective, quality products, it can guarantee that its products are designed, produced and distributed using technologies controlled by the Group, after extensive accumulated experience.

Today,
Thuasne® is...



2,400
employees
worldwide



€281 million
in turnover for 2023



50%
of turnover registered
outside France



Commercial
presence in
110 countries



15
industrial sites in Europe,
North America, and Africa



22,000
B2B customers



30 to 40
new devices launched
per year



5
international patents
registered each year



15 million
kilometers of knitted textile
per year



5,700
km of material produced per year



Take care wisely with Thuasne® solutions

In everything we do, we believe in challenging the status quo. We believe that we must think differently.

Our way of challenging the status quo is to manufacture our solutions by ensuring that they are **efficient⁽¹⁾⁽²⁾, medically proven⁽²⁾⁽³⁾⁽⁴⁾, easy to use⁽¹⁾ and comfortable⁽²⁾⁽⁵⁾**.

- Over 90 years of medical and technical expertise in compression devices
- 2 made-to-measure production sites
- Network of specialized fitters
- Expertise of our made-to-measure customer services
- Recognized brands :
Biflex, Mobiderm®, Lymphatrex, Cicatrex
- Efficiency proven solutions : over 30 clinical studies published involving our devices in the fields of compression and lymphology
- Individualized solutions all along the patient's treatment



 www.asqual.com	ASQUAL	}	CLASS	1	2	3	4	10 - 15 mmHg
			CLASS	1	2	3	4	15 - 20 mmHg
			CLASS	1	2	3	4	20 - 36 mmHg
			CLASS	1	2	3	4	> 36 mmHg
 MEDIZINISCHE KOMPRESSIONS- STRÜMPFE	RAL	}	CLASS	1	2	3	18 - 21 mmHg ⁽⁷⁾	
			CLASS	1	2	3	23 - 32 mmHg	
			CLASS	1	2	3	34 - 46 mmHg	

Quality standards



Some of our products comply with OEKO-TEX® 100 standard⁽⁶⁾. Thus Thuasne® ensure that materials used for the manufacturing of our products are safe for the health and the environment.



Lymphatrex Essential, Lymphatrex Revolution and Lymphatrex Expert are ASQUAL certified and thus comply with ASQUAL standards.



Lymphatrex, Lymphatrex Revolution are RAL certified and thus complies with RAL standards.

(1) Please refer to the internal CE data.

(2) Mestre Interest of an auto adjustable night time compression sleeve (Mobiderm® Autofit in maintenance phase of upper limb lymphedema: the MARILYN pilot RCT Support Care Cancer (25:2455 2462) 2017 Page 6 & 7).

(3) Todd Mobiderm® Autofit: an adjustable sleeve that enables patients to self manage lymphedema Chronic edema April 2018

(4) POLIT Prospective multicentre observational study of lymphedema therapy: POLIT study Pr Quéré Journal des maladies Vasculaires 2014.

(5) Lymphatrex Expert: ETN 280 Dossier Textile Polyamide July Aug 2017.

(6) The list of products Oeko-Tex certified is available on demand.

(7) Class 1: 15-21 mmHg for upper limb

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USEFUL THINGS
TO KNOW



CARE
INSTRUCTIONS



STANDARD
DEVICE



MADE-TO-MEASURE
PATIENT DEVICE



CIRCULAR
KNIT



FLAT
KNIT























FITTING
INSTRUCTIONS

Solutions for Reduction and Maintenance phases

A full range of solutions in **INTENSIVE** and **MAINTENANCE** phase of lymphedema treatment









INTENSIVE PHASE



	COMPRESSION	COMPRESSION + LYMPHATIC DRAINAGE	UPPER/ LOWER LIMB/ THORAX <div><div>1</div><div>2</div><div>3</div></div>		
<div>SEVERE LYMPHEDEMA</div> <div>Stage III</div> <div>Non regular limb shape</div> <div>Skin folds</div> <div>Fibrotic consistency</div> <div>volume excess %40 <</div>	<div>Cotton or foam bandage + BIFLEXIDEAL</div> <div>AND/OR</div> <div>Biflex Kit Biflex</div> <div>OR</div>	<div>Bandages including a MOBIDERM® layer (for people who don't fit sizetable)</div> <div>OR</div> <div>Biflex Self Adjust + MOBIDERM® Bandages or Pads</div> <div>OR</div> <div>MOBIDERM® autofit</div>	<div>LYMPHATREX Revolution</div> <div><div>1</div><div>2</div></div> <div><div>RAL</div><div>ASQUAL</div><div></div><div></div></div> <div><div> Order in France</div></div> <div>OR</div> <div>LYMPHATREX Expert</div> <div><div>1</div><div>2</div></div> <div><div>ASQUAL</div><div></div><div></div></div> <div><div> Order in France</div></div>	<div>LYMPHATREX Poly strong</div> <div><div>2</div></div> <div><div>RAL</div><div></div><div></div></div> <div><div> Order in Germany</div></div> <div>OR</div> <div>LYMPHATREX Poly</div> <div><div>1</div><div>2</div><div>3</div></div> <div><div>RAL</div><div></div><div></div></div> <div><div> Order in Germany</div></div>	
<div>MODERATE LYMPHEDEMA</div> <div>Stage II & Late II</div> <div>Regular limb shape</div> <div>Liquid consistency</div> <div>volume excess %40-20</div>	<div>OR</div> <div>Biflex Self Adjust</div>	<div>OR</div> <div>MOBIDERM® autofit</div>	<div>LYMPHATREX Essential</div> <div><div>1</div><div>2</div></div> <div><div>ASQUAL</div><div></div><div></div></div> <div><div> Order in France</div></div> <div>OR</div> <div>VENO ELEGANCE</div> <div><div>1</div></div> <div><div></div><div></div></div>	<div>LYMPHATREX Support</div> <div><div>1</div><div>2</div><div>3</div></div> <div><div>RAL</div><div></div><div></div></div> <div><div> Order in Germany</div></div>	
<div>MILD LYMPHEDEMA</div> <div>I & O Stage</div> <div>Regular limb shape</div> <div>Liquid consistency</div> <div>No skin folds</div> <div>volume excess %20 ></div>					

MAINTENANCE PHASE



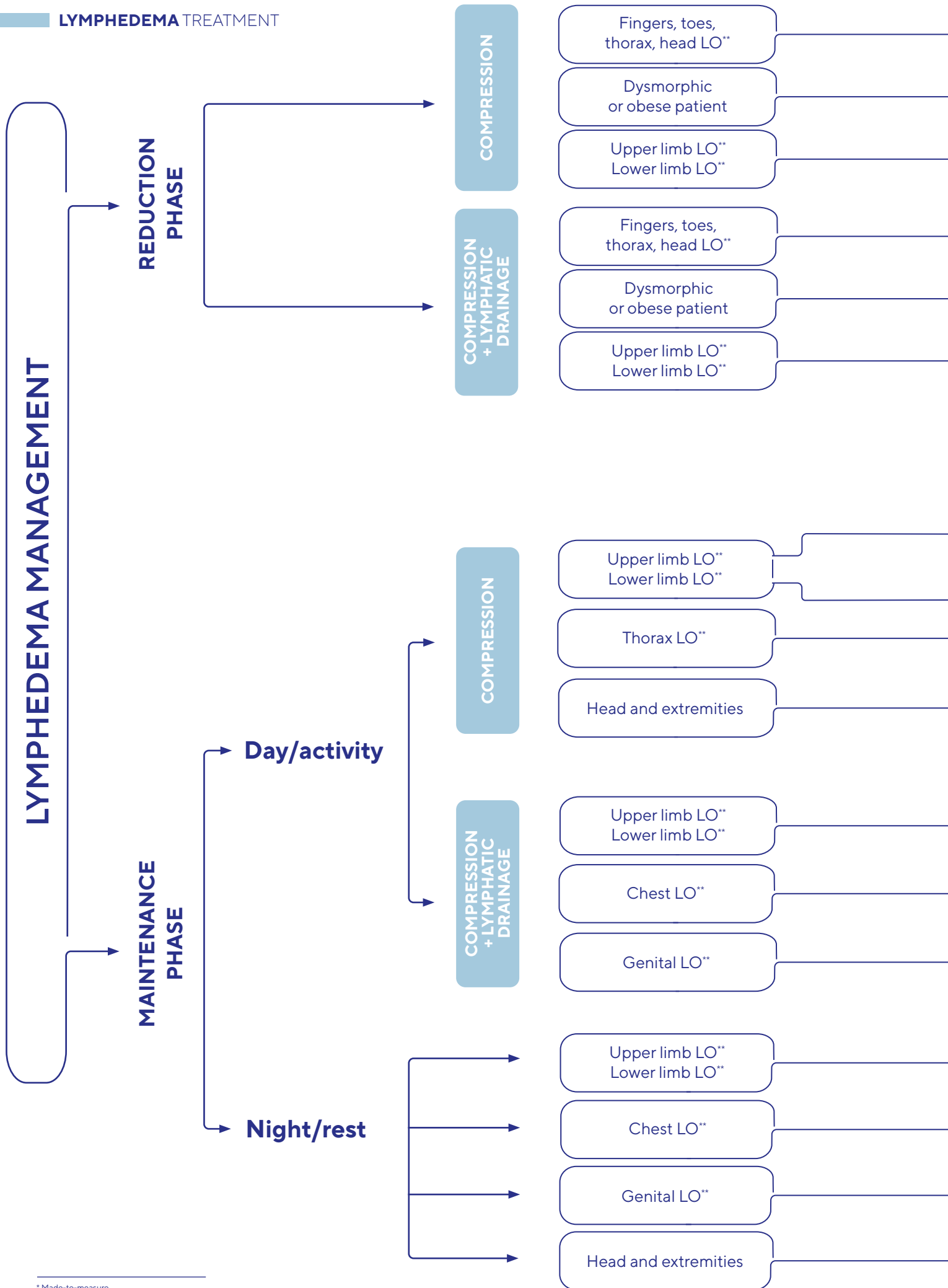
DYSMORPHYSIS & HEAD	UPPER LIMB	LOWER LIMB	CHEST	PELVIS/ GENITAL	PATIENTS WITH ISSUE DON/DOFF TOLERANCE WITH KNITTED PRODUCTS
<div>CICATREX Made-to-Measure patient </div> <div>OR</div> <div>CICATREX Standard </div>	<div>MOBIDERM® Made-to-Measure patient   Order in France</div> <div>MOBIDERM® autofit </div> <div>MOBIDERM® Standard </div>	<div>MOBIDERM® Intimate Bra </div>	<div>MOBIDERM® Intimate Shorts </div>	<div>For compression Biflex Self Adjust</div> <div>OR</div> <div>For compression + lymphatic drainage Biflex Self Adjust + MOBIDERM® Bandages or Pads</div>	

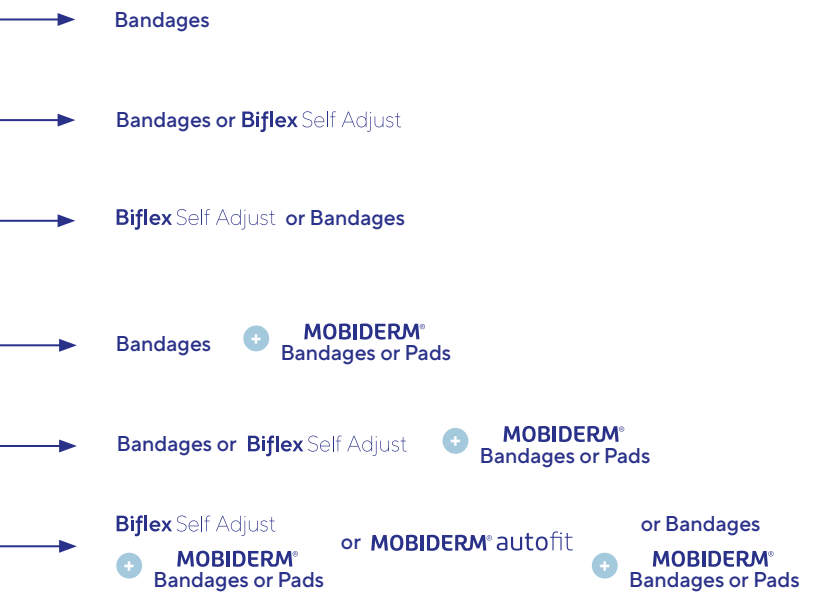
Lymphedema Treatment:
the reduction phase

Lymphedema Treatment:
the maintenance phase

Scar Treatments
& Major Burns

Measurement Forms





	MILD LO	MODERATE LO	SEVERE LO
Tolerance to knitted products	VENO ELEGANCE LYMPHATREX Revolution LYMPHATREX Essential LYMPHATREX Support LYMPHATREX Expert	LYMPHATREX Revolution LYMPHATREX Expert LYMPHATREX Poly	LYMPHATREX Revolution LYMPHATREX Expert LYMPHATREX Poly Strong
Intolerance to knitted products or patients with don/doff issue	Biflex Self Adjust	Biflex Self Adjust	Biflex Self Adjust
	LYMPHATREX Support	LYMPHATREX Poly	
	CICATREX Standard CICATREX MtoM [®]	CICATREX Standard CICATREX MtoM [®]	CICATREX Standard CICATREX MtoM [®]
	MOBIDERM [®] Standard MOBIDERM [®] autofit Biflex Self Adjust + MOBIDERM [®] Bandages or Pads	MOBIDERM [®] autofit Biflex Self Adjust + MOBIDERM [®] Bandages or Pads	Biflex Self Adjust + MOBIDERM [®] Bandages or Pads MOBIDERM [®] MtoM [®] patient
	MOBIDERM [®] Intimate Bra	MOBIDERM [®] Intimate Bra	MOBIDERM [®] Intimate Bra
	MOBIDERM [®] Intimate Shorts	MOBIDERM [®] Intimate Shorts	MOBIDERM [®] Intimate Shorts
	MOBIDERM [®] Standard MOBIDERM [®] autofit	MOBIDERM [®] autofit	MOBIDERM [®] MtoM [®] patient
	MOBIDERM [®] Intimate Bra	MOBIDERM [®] Intimate Bra	MOBIDERM [®] Intimate Bra
	MOBIDERM [®] Intimate Shorts	MOBIDERM [®] Intimate Shorts	MOBIDERM [®] Intimate Shorts
	Bandages + MOBIDERM [®] Bandages or Pads	Bandages + MOBIDERM [®] Bandages or Pads	Bandages + MOBIDERM [®] Bandages or Pads

Lymphedema Treatment:
the reduction phase

Lymphedema Treatment:
the maintenance phase

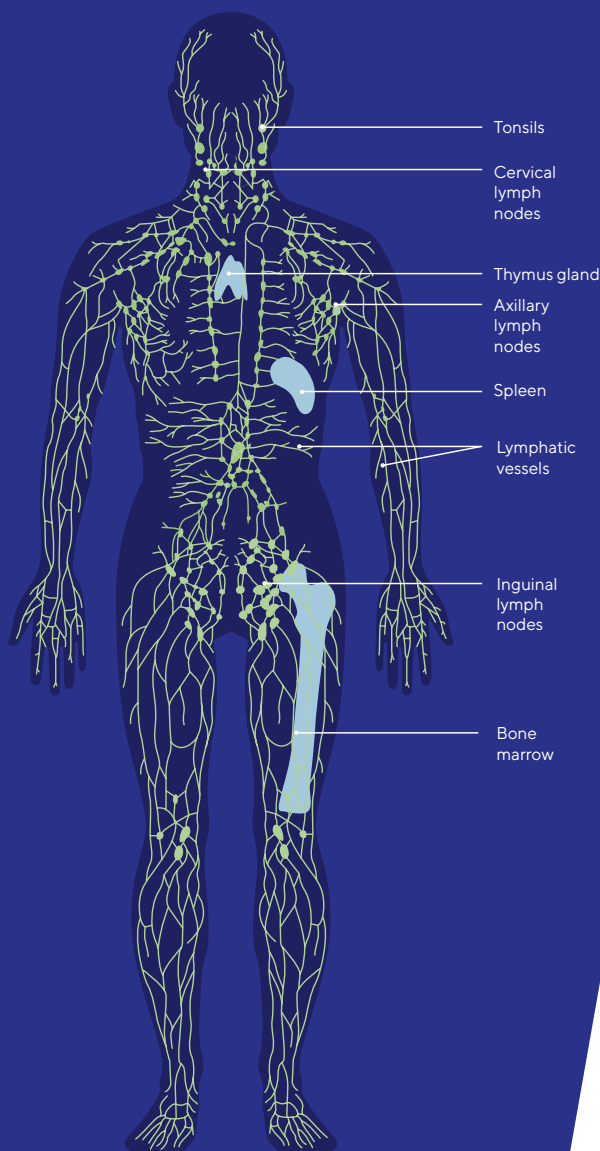
Scar Treatments
& Major Burns

Measurement Forms

Lymphatic system

The lymphatic system is made up of a series of canals called lymphatic vessels, lymph nodes and some organs.

It helps to protect the body against diseases and infections. It is the most important part of the immune system⁽¹⁾.



LYMPHATIC CIRCULATION⁽²⁾

The lymphatic vessels carry the lymph throughout the body.

Body movement and muscles contraction ensure circulation of the lymph in addition to contractile units within the lymphatic vessels.

Lymph is filtered through the lymph nodes and several organs to remove bacteria, viruses and other foreign substances.

LYMPHEDEMA

Lymphedema is a chronic disease caused by a malfunction of the lymphatic system due to a malformation (primary lymphedema) or to a damage (secondary lymphedema)⁽³⁾.

It results in a blockage or a slowing down of the circulation of the lymph between the cells and tissues of the body. Lymph accumulated in the subcutaneous tissues causes swelling of one or multiple body parts (usually upper, lower limb or genital area), that generates discomfort, heaviness and loss of mobility⁽⁴⁾.

Lymphedema can develop in different ways. For some people, it may decrease slightly, for others it may persist and become resistant⁽³⁾.

(1) <https://www.e-cancer.fr/Dictionnaire/G/ganglion-lymphatique-December 2019>

(2) <https://www.e-cancer.fr/Dictionnaire/L/lymph-December 2019>

(3) HAS - La compression médicale dans le traitement du Lymphoedème - 2010

(4) <https://www.e-cancer.fr/Patients-et-proches/Les-cancers/Cancer-du-sein/Lymphoedeme-Lymphoedeme-Mars 2020>

Lymphedema Stages

There are **4 stages of lymphedema**.⁽⁵⁾

Those stages can be grouped in **3 levels of severity**:

Mild

STAGE 0

- Swelling is hardly visible
- Symptoms are: heaviness of the affected limb, slight tingling and fatigue
- Takes several months or even years for the edema to appear

STAGE I

- Positive pitting sign possible
- Skin and tissue are not permanently damaged
- Reversible lymphedema
- Volume excess is below 20%

Moderate

STAGE II

- Positive pitting sign
- Skin folds, inflammations and cutaneous modifications
- Non reversible edema
- Volume excess is between 20 and 40%
- Increased risk of skin infection

LATE STAGE II

- Positive Stemmer Kaposi sign
- Tissue fibrosis
- Permanent edema
- Skin folds, inflammations and cutaneous modifications
- Volume excess is between 20 and 40%
- Increased risk of skin infection

Severe

STAGE III

- Very voluminous limb
- Non regular limb shape with skin folds
- Permanent edema
- Negative pitting sign
- Dermatological complications
- Volume excess is above 40%
- Mobility decrease

Lymphedema Treatment:
the reduction phase

Lymphedema Treatment:
the maintenance phase

Scar Treatments
& Major Burns

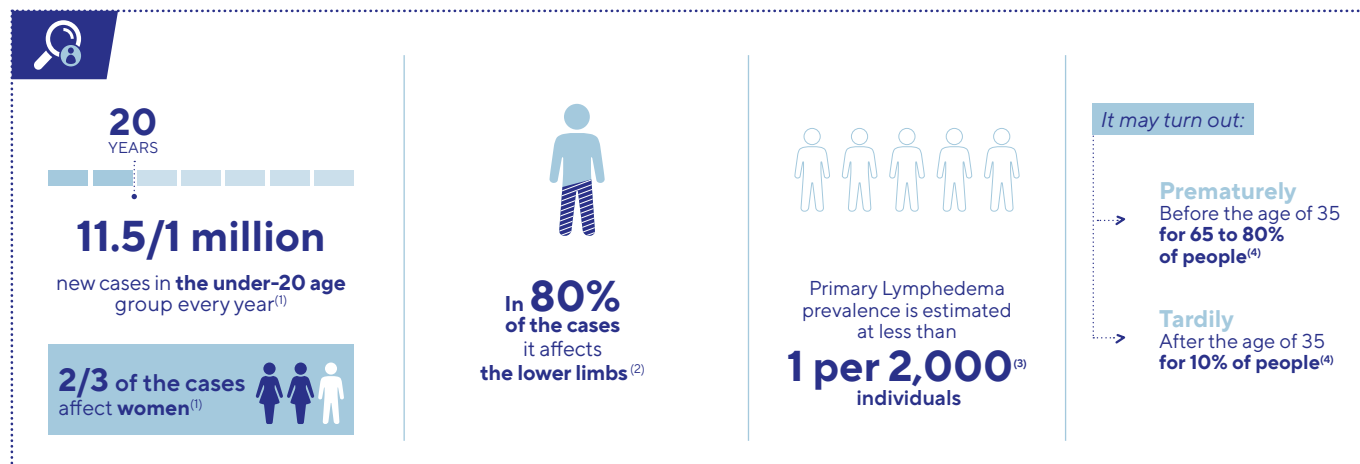
Measurement Forms

Origin of Lymphedema

There are 2 types of lymphedema:

PRIMARY LYMPHEDEMA

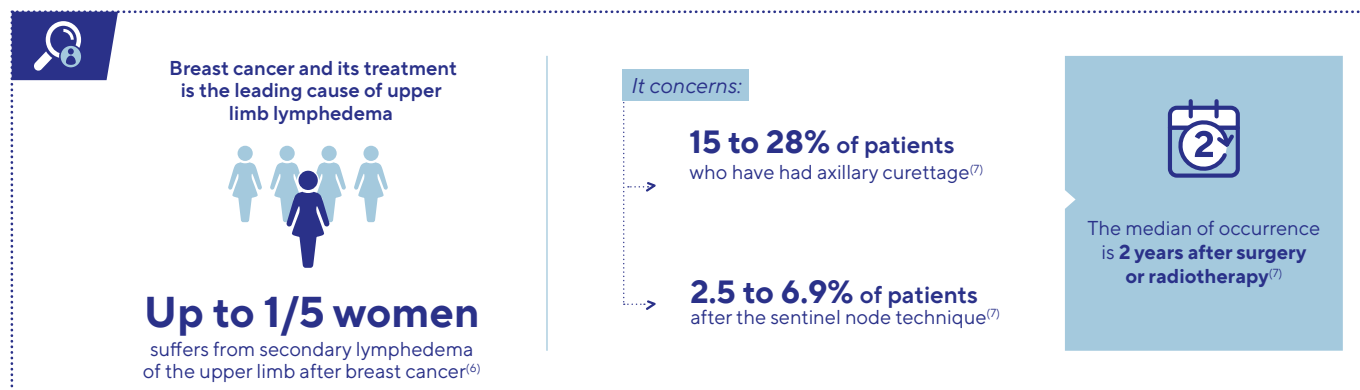
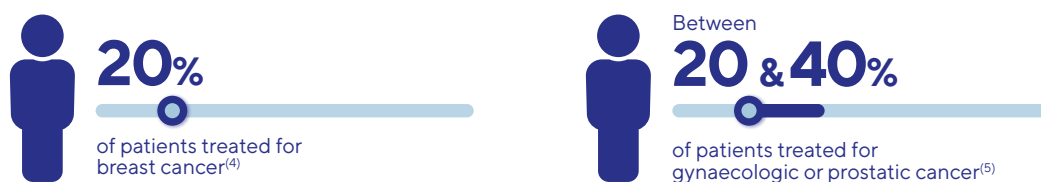
Related to a constitutional defect of the lymphatic system. Congenital or familial, it mainly affects the lower limbs. In the majority of cases, it is necessary to initiate management of the condition from childhood. Primary lymphedema can also start in young adults.



SECONDARY LYMPHEDEMA

Results from a damage of the lymphatic system associated with a trauma, a disease like cancer and its treatment (lymph node dissection, radiotherapy...) or a contamination.

Secondary lymphedema concerns



(1) Les lymphoedèmes du membre inférieur - Dr Marlène Coupé - Mars 2020 - Pages 22-23

(2) Lymphoedème primaire. (s. d.). <https://www.orpha.net/fr/disease/detail/77240>

(3) Orphanet, webportal on rare diseases and orphan drugs. Lymphoedème primaire. (2018). https://www.orpha.net/pdfs/data/patho/Han/Int/fr/LymphoedemePrimaire_FR_fr_HAN_ORPHA77240.pdf

(4) Disipio T et al. Lancet Oncol 2013; 14: 500 Incidence of unilateral arm lymphedema after breast cancer: a systematic review and meta-analysis

(5) Beesley V et al. Cancer 2007 Jun 15;109(12):2607-14. Lymphedema after gynecological cancer treatment: prevalence, correlates, and supportive care needs. Rasmussen E. et al. Radiat Oncol. 2013 Nov 19;8:271 Low rate of lymphedema after extended pelvic lymphadenectomy followed by pelvic irradiation of node-positive prostate cancer.

(6) Azuar AS, Uzan C, Mathelin C, Vignes S. Actualisation des indications et des techniques de prise en charge du lymphoedème après chirurgie du cancer du sein [Update of indications and techniques for the management of lymphedema after breast cancer surgery]. Gynecol Obstet Fertil Senol. 2024 Mar;52(3):142-148. French. doi: 10.1016/j.gofs.2023.12.008. Epub 2024 Jan 6. PMID: 38190967.

(7) Prise en charge du lymphoedème secondaire du membre supérieur après un cancer du sein - March 2014 - Association francophone des soins oncologiques de support (afsos)

Did you know ?

Lipedema is very often confused with primary lymphedema of the lower limbs.

Lipedema is a chronic pathology with abnormal & misunderstood subcutaneous fat deposits⁽⁸⁾ associated with dysmorphic condition.

Fat deposit are localized on hip, thigh, knee, leg, arm.

Lipedema is an underdiagnosed & poorly known disease which mostly affects women.

Compression garments are part of lipedema treatment⁽⁹⁾. They participate in pain & inflammation reduction and they reshape the limb affected.

Management of Lymphedema

Patients presenting lymphedema should benefit from coordinated management and receive information adapted to their needs.

The main objectives of the treatment are:

- Reduction, then stabilization of the volume
- Improvement of the limb function
- Prevention of complication risks
- Patient education and psycho-social support

This chronic disease therefore requires continuous management, which can be split into two essential and complementary phases:



1 The **REDUCTION** phase



2 The **MAINTENANCE** phase

that will follow one another depending on the evolution of the lymphedema.

*Medical compression is
one of the key elements
of the treatment⁽¹⁰⁾*

(8) ILF – Best practices for the management of lymphedema – 2006 – page 9

(9) JWC – International consensus document : Lipoedema: a paradigm shift and consensus

(10) Haute Autorité de Santé – La compression médicale dans le traitement du lymphoedème – Fiche BUTS 2010
French National Authority for Health – Medical Compression in the Treatment of Lymphedema – BUTS Sheet 2010

The **reduction** phase

The reduction phase is also known as the Complete Decongestive Therapy (CDT)⁽¹⁾.

Its goal is to achieve maximum reduction of the edema to come as close as possible to the volume of the opposite healthy limb.

The main treatments used are:

- **Manual lymphatic drainage (MLD)**, carried out by a specifically trained physiotherapist, to stimulate and facilitate the circulation of the lymph by promoting the unblocking of the lymph nodes.
- **Reducing and draining bandages** requiring the use of multi-component bandages which can be adapted to the volume and repositioned at will.
- **Coached physical activity** under bandages to improve lymph circulation, regain mobility and flexibility.
- **Skin care** to prevent complications related to lymph accumulation.

This phase may vary from one to several weeks, depending on the severity of the lymphedema, and can be renewed later.

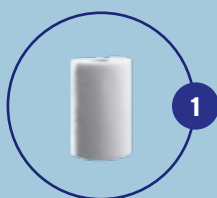


Thuasne® Protocol

The reduction phase is usually performed using multi-component bandages⁽²⁾

The advantage of bandages is that they can be repositioned over and over to ensure the best possible fit to successive variations in edema volume.

There are different sorts of bandages and it is their combined use that reduces edema⁽³⁾.



PROTECT the skin

PROTECTIVE COTTON BANDAGE

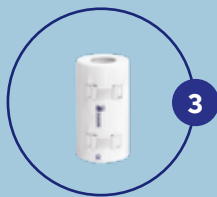
In direct contact with the skin, this tubular cotton bandage provides tight containment of the limb. Made of cotton, it provides soft⁽⁴⁾ and lined protection of the skin weakened by the lymphedema.



MOBILIZE the edema

MOBIDERM® BANDAGE

Used under a reducing bandage, the Mobiderm® technology mobilizes edematous or indurated subcutaneous tissue.



CONTAIN the edema

BIFLEXIDEAL SHORT-STRETCH BANDAGE

A short-stretch bandage (<100% stretch) as the third layer helps with containment of the edema, as well as drainage in case of physical activity (high working pressure)⁽⁵⁾.



COMPRESS the edema

BIFLEX LONG GRADUATED BANDAGE

A medium-stretch bandage as last layer applies constant pressure, even at rest.

BIFLEX 16+ (light) is recommended for mild to moderate lymphedema.

BIFLEX 17+ (strong) is recommended for moderate to severe lymphedema.



Discover video tutorials presenting multi-component bandage techniques **on our Thuasne® YouTube channel!**



(1) ILF - Best practices for the management of lymphedema - 2006 - page 15

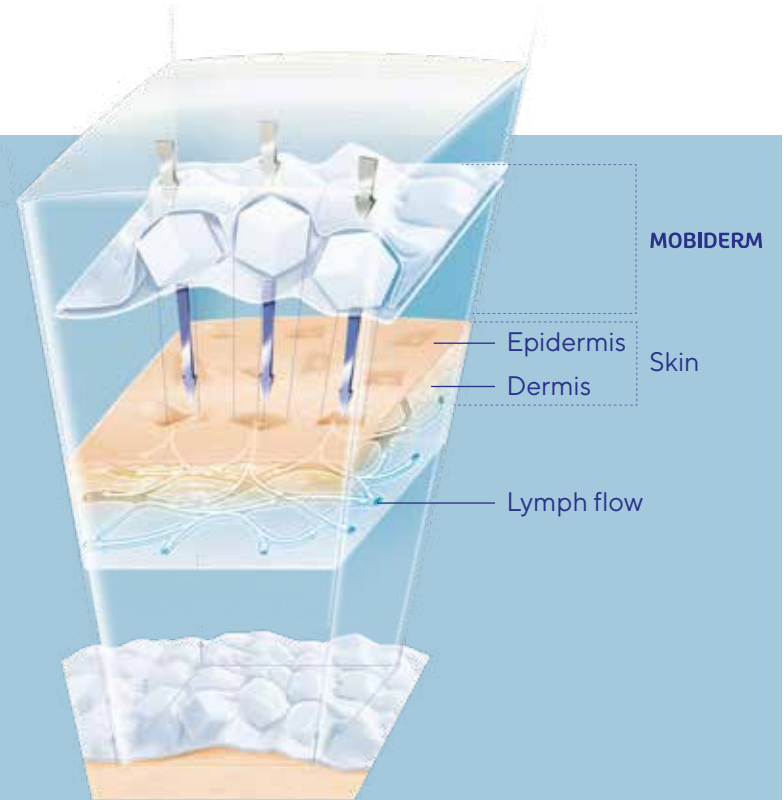
(2) HAS - Dispositifs de compression médicale à usage individuel - Utilisation en pathologies vasculaires - Sept 2010 - Page 14 (Medical compression devices for individual use - Use in vascular pathologies)

(3) European Wound Management Association (EWMA). Focus Document: Lymphoedema bandaging in practice. London: MEP Ltd, 2005.

(4) Futura Tech - Du végétal aux textiles - Récolte, transformation et utilisation du coton (From plant to textile - Harvesting, processing and use of cotton).

(5) Quéré - Prospective multicenter observational study of lymphedema therapy: POLIT study - Vascular Disease Journal - 2014 - Pages 4 et 5

The MOBIDERM® Technology



Mobiderm® is a medical device made up of foam blocks encased between two non-woven bandages.

The Mobiderm® Technology can be used under a reducing bandage (in its bandage or pad forms), or incorporated into mobilizing garments.

Due to the difference in pressure created between the support area of the blocks and their surrounding area, **it promotes the flow of lymphatic fluid** and optimizes the drainage efficacy⁽¹⁾ **through micro-massages.**



EFFECTIVE

- Rapid volume reduction of the edema⁽²⁾.

PRACTICAL

- Light and comfortable, it enables the patient to keep their freedom of movement⁽³⁾.

COMFORTABLE

- Ability of the product to contour the extremity provides an adapted anatomical fit.



Patented⁽⁴⁾
Technology

(1) Todd – Mobiderm® Autofit: an adjustable sleeve that enables patients to self-manage lymphedema – Chronic edema – April 2018 – Page 6

(2) Quéré – Prospective multicenter observational study of lymphedema therapy: POLIT study - Vascular Disease Journal – 2014 – Pages 4 and 5

(3) Mestre – Interest of an auto-adjustable night-time compression sleeve (Mobiderm® Autofit) in maintenance phase of upper limb lymphedema: the MARILYN pilot RCT Support Care Cancer (25:2455-2462) – 2017 – Page 7

(4) Patent granted in: Austria, Belgium, Canada, China, Czech Republic, Denmark, Finland, France, Germany, Hungary, India, Italy, Netherlands, Poland, Portugal, Romania, Slovakia, Spain, Sweden, Switzerland, United Kingdom, USA. Information valid as of 01 November 2024 (for 12 months).

MOBIDERM® Pads

Dimensions	Designation	Reference
25 cm x 25 cm	Small blocks 5 mm x 5 mm	371001 02502501
25 cm x 1 m		371001 03310001
20 cm x 1 m	Big blocks 15 mm x 15 mm	371001 03310002
21cm x 25 cm		371001 02102502



MOBIDERM® Bandages

Dimensions	Designation	Reference
10 cm x 3 m	Small blocks 5 mm x 5 mm	372001 01030001
	Big blocks 15 mm x 15 mm	372001 01030002



MOBIDERM® Kits

Mobiderm® kit n°1 Reduction kit for the treatment of upper limb edema

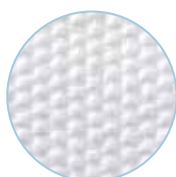
Content	Reference
<ul style="list-style-type: none"> • 1 Biflex 16+ bandage, 8 cm x 5 m • 1 Biplast bandage, 3 cm x 2.5 m • 1 cotton bandage, 11 cm x 4 m • 2 Mobiderm® bandages, 10 cm x 3 m • 1 Biflexideal bandage, 10 cm x 5 m 	370090 29999901

Mobiderm® kit n°2 Reduction kit for the treatment of lower limb edema

Content	Reference
<ul style="list-style-type: none"> • 1 Biflex 16+ bandage, 10 cm x 3 m • 1 Biflex 16+ bandage, 10 cm x 5 m • 1 Biplast bandage, 3 cm x 2.5 m • 2 cotton bandages, 11 cm x 4 m • 3 Mobiderm® bandages, 10 cm x 3 m • 2 Biflexideal bandages, 10 cm x 5 m 	370090 29999902



2 SIZES OF BLOCKS



SMALL BLOCKS

- More effective in highly indurated areas
- Better adapted to small anatomies (pediatric patients, hands/foot, breast...)

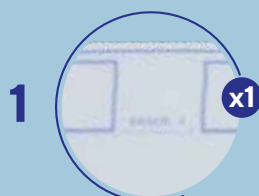


BIG BLOCKS

- Better adapted along the limb

Kit Biflex

Kit of 2 short-stretch washable elastic compression bandages



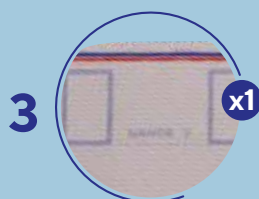
PROTECT the skin FLEECY ELASTIC BANDAGE (33.2% maximum stretch)

- Soft on the skin thanks to microfiber polyamid and viscose components
- Protects the skin and bony prominences
- Contains the edema



MOBILIZE the edema MOBIDERM® BANDAGE

Used under a reducing bandage, the Mobiderm® technology mobilizes edematous or indurated subcutaneous tissue⁽¹⁾.

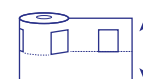


COMPRESS the edema TWO-WAY ELASTIC BANDAGE (81.6% maximum stretch)

- Provides the level of pressure required in the treatment of lymphedema

3 SIZES TO ADAPT TO EACH PATIENT BODY SHAPE

Size	Ankle circumference	Bandage 1	Bandage 2	Bandages width	Reference
1	< 25 cm	4 m	3.5 m		170050 20199999
2	25 - 30 cm	4.5 m	4 m	10 cm	170050 20299999
3	> 30 cm	5 m	4.5 m		170050 20399999



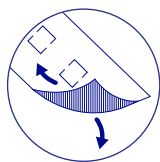
1 width :
10cm

(1) Compulse study: Evaluation of the clinical efficacy and safety of the KitBiflex 2-layer compression system versus the PROFORE® 4-layer compression system in the treatment of leg ulcers of venous origin (stage C6). National, multicenter, randomized, open-label, two parallel-group, phase IIIb clinical study. Study #: NCT02782689.



WASHABLE

The two bandages in the kit are machine washable at 40°C.*



REPOSITIONNABLE

The two bandages in the kit can be put back in place in the event of dressing changes or marked variations in edema.



EASE OF USE

- The two bandages are numbered and calibrated to ease the application.
- The calibration system makes it possible to control the tension of the bandage and ensure the reproducibility of application.⁽¹⁾



SELF-GRIPPING FASTENERS

- Ensure a good maintenance of the bandage
- Don't hurt the patient

For **96%** of the patients,
the health care professionals
were overall satisfied or very satisfied
with the device⁽²⁾

Efficiency related to Lymphedema:

Lymphedema excess volume decrease of the upper limb was **-35 ± 22% or -340.41 ± 269.44 mL⁽²⁾**.

Improvement of the patient's comfort:

From the first visit to the last visit of the patients, significant decrease of the feeling of discomfort (**-29%**), heaviness (**-33%**), swelling/tension (**-38%**) and pain (**-21%**) and the skin of the patients has become softer⁽²⁾.

*These bandages can be left
in place on the limb day
and night, up to 7 days*



* Refer to the Instructions For Use

(2) Post-Marketing Clinical Follow-up in the treatment of lymphoedema with the Biflex Kit - 2022/04

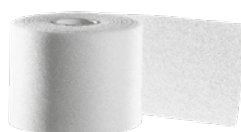
Compression bandages

Cutaneous protection

**Cotton bandage**

Tubular bandage. Composition 100% cotton.
Protection of skin surface under non-adhesive bandage.
This bandage is intended for protective use.
Medical compression device accessory.

Width	Length	Color	Reference
11 cm	4 m	White	3111790230182

**Underwrap
Thin stretch foam bandage**

Protection of skin surface.
Accessory that can be used in association with medical devices: to have a skin protection under containment and compression.
This bandage is intended for protective use.
Medical compression device accessory.

Width	Length	Color	Reference
7 cm	27 m	White	3111790258612

Containment

**Biflexideal
Short-stretch compression bandage**

INDICATIONS: Treatment of edema (traumatic or chronic) - Treatment of lymphedema - Chronic venous insufficiency (as an alternative to compression stockings - Following sclerotherapy or varicose vein surgery - Treatment of venous ulcers (with SPI > 0.8 or under close medical supervision for SPI between 0.5 and 0.8) - Symptomatic treatment of acute, deep or superficial venous thrombosis - Prevention of post-thrombotic syndrome: Alternative to compression stockings for at-risk patients - Alternative to compression stockings for the treatment of leg edema or swelling during pregnancy - Treatment of symptoms related to soft tissue injury. 65% extension at a force of 45 cN/cm.



Width	Length	Color	Reference
3 cm	5 m	White	3111790232216
6 cm			3111790232223
8 cm			3111790232230
10 cm			3111790232247

**Biplast
Adhesive short-stretch compression bandage**

INDICATIONS: Soft tissue or musculoskeletal system injuries. Strapping: post-trauma support. Fractures of the small bones (finger, foot, etc.). Congenital or acquired bone deformity of the foot. Vascular or lymphatic diseases requiring short-stretch or multicomponent bandage.
Multi-directional adhesion to the edge of the tape. Flexible and adjustable.
*50.2% maximum stretch



Width	Length	Color	Reference
3 cm	2,5 m	White	3111790072362
6 cm			3111790072379
8 cm			3111790072386
10 cm			3111790072393
15 cm			3111790072409
20 cm			3111790072416


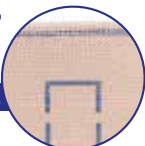
Compression bandages

Compression

BIFLEX+ GRADUATED Graduated elastic compression bandage

Two-ways elastic bandage. Elastic in length and extensible in width. Repeatable control of the tension exerted thanks to the fitting indicator. Multiple overlappings possible to achieve multiple pressure level.

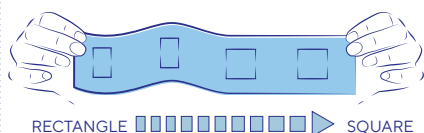


2 versions	Color	Width	Length	Reference
Biflex 16⁺ (Light)  1 yarn	Beige	8 cm	3 m	3111790234012
			3.5 m	3111790234029
			4 m	3111790234036
			5 m	3111790234043
		10 cm	3 m	3111790234067
			3.5 m	3111790234074
			4 m	3111790234081
			5 m	3111790234098
Biflex 17⁺ (Strong)  2 yarns	Beige	8 cm	4 m	3111790234296
			3 m	3111790234302
		10 cm	3.5 m	3111790234319
			4 m	3111790234326
			5 m	3111790234333



Biflex application in 2 simple steps

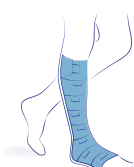
1/ STRETCHING



2/ OVERLAPPING

Biflex 16⁺

Pressure □□□□ Pressure □□□□



Half-square
Overlapping



Full-square
Overlapping

Biflex 17⁺

Pressure □□□□ Pressure □□□□



Half-square
Overlapping



Full-square
Overlapping

Compression bandages

Compression

Biflex+ pratic Graduated elastic compression bandage with stirrup

Fitting stirrup makes this bandage easy to use. Enhances patient autonomy.



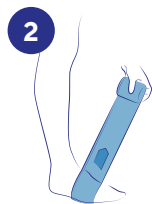
Designation	Width	Length	Color	Reference
Biflex¹⁶⁺ Pratic (Light)	8 cm	3 m	Beige	160003 00830002
		4 m		160003 00840002
	10 cm	3 m	Beige	160003 01030002
		4 m		160003 01040002
Biflex¹⁷⁺ Pratic (Strong)	10 cm	3 m	Beige	170003 01030002
		4 m		170003 01040002



PRATIC STIRRUP APPLICATION



1
Slip on
the stirrup



2
Seam on
the top
of the foot



3
1st turn
around
the heel



4
2nd turn
securing
from the
bottom



5
3rd turn
securing
from the
top



6
Circular
application



Foam bandage

Emulsified latex foam

Optimization of compression treatment by levelling out of anatomical relief.

The bevelled cut makes it possible to overlap the bandage as it is wrapped around without making it too thick.

Thanks to open cells foam, the bandage is permeable to air and helps preventing the risk of wound maceration⁽¹⁾.

Thickness	Width	Length	Reference
8 mm	8 cm	1 m	530809 1100
	10 cm		531009 1100
12 mm	10 cm	1 m	541009 1100

Varico

Latex foam pad

Optimization of compression treatment by levelling out of anatomical relief.

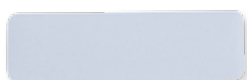
Thanks to open cells foam, the pad is permeable to air and helps preventing the risk of wound maceration⁽¹⁾.



Model	Dimensions	Packaging	Reference
0	63 mm x 87 mm	x 2 units	520009 1000
1	70 mm x 132 mm	x 1 unit	520009 1100
2	125 mm x 164 mm	x 1 unit	520009 1200
3	200 mm x 250 mm	x 1 unit	520009 1300



Biflex Accessories



Self-gripping fasteners

Packaging	Color	Reference
x 4 units	White	590309 1000



Elastic fasteners

Packaging	Color	Reference
x 4 units	Beige	590209 1000

Biflex Self Adjust

Adjustable compression system
for upper and lower limb

Indicated for the management of edema (venous, lymphatic and caused by injury), chronic venous insufficiency and symptomatic treatment of lipedema.

Biflex Self adjust was developed to treat efficiently and with an optimal comfort all kinds of edemas:

EFFICIENCY:

- The good pressure level on the limb and the reproducibility of the fitting for the HCP and the patient himself is ensured by the patented pressure adjuster directly integrated to the product.
- The design was chosen to have a complete covering of the limb and avoid edemas migration.

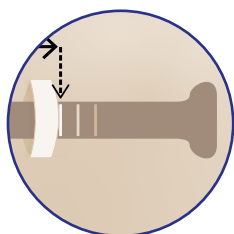
COMFORT:

- The material was chosen to improve the comfort: the open cell foam allows moisture transfer.
- Easy to donning and doffing thanks to the integrated loop and an optimized number of bandages.

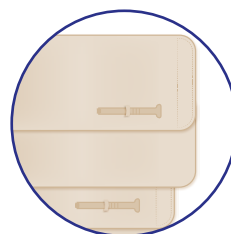


Ensure a pressure level minimum of 20 mmHg to 40 mmHg for lower limb and of 20 to 30 mmHg for upper limb and the fitting reproductivity*

Complete covering of the limb to avoid edema migration

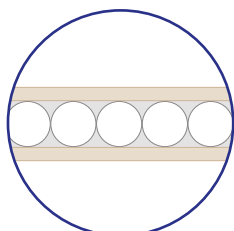


Integrated pressure adjuster system on lower limb (calf and thigh).



Overlapped bandages design and reversed closures.

Material allows the moisture transfer**



Open cell foam between the materials.

Easy donning and doffing



Integrated loop for calf, thigh and arm. Minimum number of bandages.

How to use the pressure adjuster ?

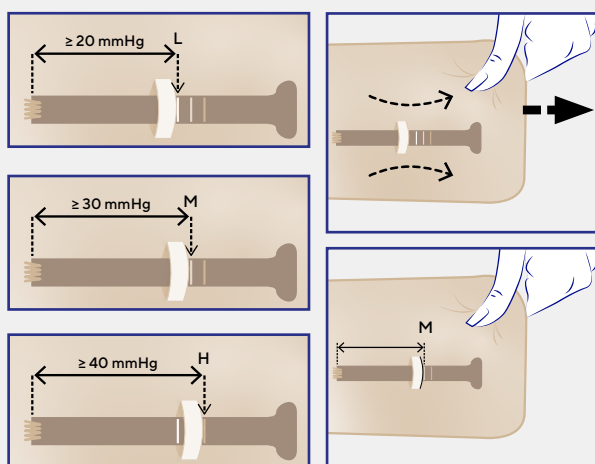
The adjuster comes with 3 levels of pressure:

L low (light blue line), **M** medium (blue line) and **H** high (dark blue line).

Pressure is reached by pulling on the strap which slides the adjuster until the outside of the loop is over the desired level of pressure.

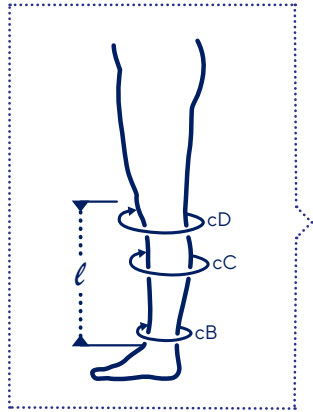
When putting it on and wearing it, ensure no large folds appear.

If necessary, the segment pressure can be adjusted by adjusting the loops from bottom to top.



Biflex Self Adjust

Calf



Sizes

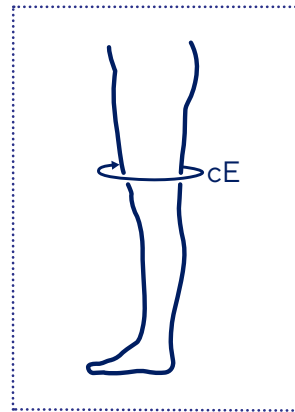
Size	cB	cC	cD
1	16 - 24 cm	24 - 35 cm	25 - 36 cm
	6.5 - 9.5"	9.5 - 14"	10 - 14"
2	20 - 28 cm	32 - 43 cm	32 - 43 cm
	8 - 11"	12.5 - 17"	12.5 - 17"
3	24 - 32 cm	40 - 51 cm	39 - 50 cm
	9.5 - 12.5"	15.5 - 20"	15.5 - 19.5"
4	28 - 36 cm	48 - 59 cm	46 - 57 cm
	11 - 14"	19 - 23"	18 - 22.5"

N

L

 $\ell < 36 \text{ cm} / 14"$ $\ell > 36 \text{ cm} / 14"$

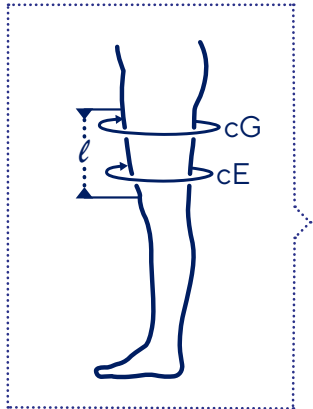
Knee



Sizes

Size	cE
1	35 - 50 cm
	14 - 19.5"
2	50 - 65 cm
	19.5 - 25.5"
3	65 - 85 cm
	25.5 - 33.5"

Thigh



Sizes

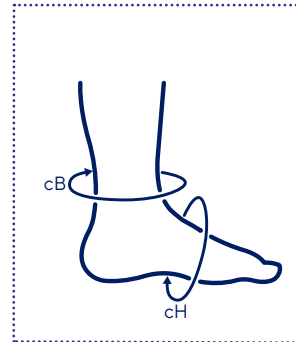
Size	cE	cG
1	34 - 45 cm	46 - 57 cm
	13.5 - 18"	18 - 22.5"
2	41 - 53 cm	53 - 65 cm
	16 - 21"	21 - 25.5"
3	49 - 60 cm	61 - 72 cm
	19.5 - 23.5"	24 - 28.5"
4	56 - 68 cm	68 - 80 cm
	22 - 27"	26.5 - 31.5"

N

L

 $\ell < 36 \text{ cm} / 14"$ $\ell > 36 \text{ cm} / 14"$

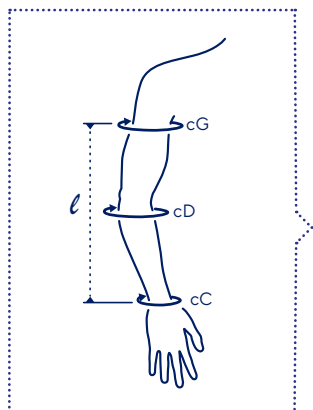
Foot



Sizes

Size	cE	cG
1	< 36 cm	19 - 24 cm
	< 14"	7.5 - 9.5"
2	< 36 cm	24 - 29 cm
	< 14"	9.5 - 11.5"
3	< 41 cm	29 - 34 cm
	< 16"	11.5 - 13.5"

Arm



Sizes

Size	cG	cD	cC
1	25 - 32 cm	22 - 28 cm	15 - 19 cm
	10 - 12.5"	9 - 11"	6 - 7.5"
2	29 - 36 cm	24 - 30 cm	16 - 20 cm
	11.5 - 14"	9.5 - 12"	6.5 - 8"
3	33 - 40 cm	26 - 32 cm	17 - 21 cm
	13 - 15.5"	10 - 12.5"	6.5 - 8"
4	37 - 44 cm	28 - 34 cm	17 - 21 cm
	14.5 - 17.5"	11 - 13.5"	6.5 - 8"
5	41 - 48 cm	30 - 36 cm	18 - 22 cm
	16 - 19"	12 - 14"	7 - 8.5"
6	45 - 52 cm	31 - 37 cm	19 - 23 cm
	18 - 20.5"	12.5 - 14.5"	7.5 - 9"

Hand



Sizes

Size	cE
1	14 - 19 cm
	5.5 - 7.5"
2	19 - 24 cm
	7.5 - 9.5"
3	24 - 29 cm
	9.5 - 11.5"

Sizes

DESIGNATION	Code article
Biflex Self Adjust calf	
T1 regul	18300120100201
T1 tall	18300120100202
T2 regul	18300120200201
T2 tall	18300120200202
T3 regul	18300120300201
T3 tall	18300120300202
T4 regul	18300120400201
T4 tall	18300120400202
Biflex Self Adjust knee	
T1	18200120100299
T2	18200120200299
T3	18200120300299
Biflex Self Adjust thigh	
T1 regul	18250120100201
T1 tall	18250120100202
T2 regul	18250120200201
T2 tall	18250120200202
T3 regul	18250120300201
T3 tall	18250120300202
T4 regul	18250120400201
T4 tall	18250120400202
Biflex Self Adjust foot	
T1	18100120100299
T2	18100120200299
T3	18100120300299
Biflex Self Adjust arm	
T1	18350120100299
T2	18350120200299
T3	18350120300299
T4	18350120400299
T5	18350120500299
T6	18350120600299
Biflex Self Adjust hand	
T1	18150120100299
T2	18150120200299
T3	18150120300299

Lymphedema Treatment:
the reduction phase

Lymphedema Treatment:
the maintenance phase

Scar Treatments
& Major Burns

Measurement Forms

The **maintenance** phase

As soon as a satisfactory volume reduction is achieved, the maintenance phase of the lymphedema treatment starts ⁽¹⁾.

Its role is to stabilize the volume of the reduced limb achieved in the reduction phase, or even to continue the volume reduction, but also to avoid relapses and enable the patient to recover normal mobility. It includes Manual Lymphatic Drainage (MLD), compression garments, bandages, physical activity and skin care.

This phase is conducted first with elastic compression garments which will be renewed regularly under the supervision of a healthcare professional.



Worn daily from waking up to bedtime, day-time compression garments ensure both:

- **compression** aimed at easing the circulation of the lymph to the heart, thus preventing the formation of edema.
- **containment** preventing the edema from recovering more than a certain percentage of volume, irrespective of its intrinsic expansion force.

A variety of garment models are available (stockings, sleeves...) in several compression classes.

	ASQUAL	RAL
Class	France (AFNOR G30 102B STANDARD)	Germany (RAL-GZ 387:2000 STANDARD)
Class 1	10 - 15 mmHg	18 - 21 mmHg ⁽²⁾
Class 2	15 - 20 mmHg	23 - 32 mmHg
Class 3	20 - 36 mmHg	34 - 46 mmHg
Class 4	> 36 mmHg	> 49 mmHg



To optimize treatment efficiency, it is recommended to wear compression devices during rest and night-time.

Mobiderm® garments have been developed to mobilize the edema during rest and night-time. They offer an efficient, easy to use and comfortable alternative to self-bandage.⁽³⁾

The maintenance phase also includes manual lymphatic drainage at a lesser frequency, as well as the learning of self-massaging and self-bandaging as needed. Lastly, it requires the practice of an adapted physical activity, skin care and regular medical monitoring.

(1) ILF - Best practices for the management of lymphedema - 2006 - page 15

(2) Class 1 : 15-21 mmHg for upper limb

(3) Mestre - Interest of an auto-adjustable night-time compression sleeve (Mobiderm® Autofit) in maintenance phase of upper limb lymphedema: the MARILYN pilot RCT
Support Care Cancer (25:2455-2462) - 2017 - Page 4



LYMPHATREX Revolution

**NO MORE
COMPROMISE***



*** No more compromise between comfort** and efficiency*****

****Comfort:** Thanks to garments softness and anatomical fit (Sensory analysis CC2205 - 2024).

*****Efficiency:** Performances tests report CC2205 - 2024 and CE-marking data.



Why Revolution?

Thuasne® teams are working every day with a single objective: to provide patients with **innovative compression solutions that meet their everyday needs as best as possible.**

From now on, **no more compromise!**

Thuasne® **is committed so that patients no longer have to choose between comfort and efficiency.**

Because patients' health matters to us, and they **deserve the best**, Thuasne® **Revolution-izes** their daily lives with its **new Lymphatrex Revolution flat knit compression garments range.**

With Lymphatrex Revolution, patients will no longer be afraid, **efficiency and stiffness can finally be combined with comfort*, thanks to a new innovative seamless technology⁽¹⁾.**



COMFORT

- **Seamless ①⁽¹⁾**, offering greater comfort while reducing the irritation associated to seams
- **Easy to Don and Doff:** patients can easily put on and take off the garments, saving time and effort⁽⁵⁾
- **Soft ②⁽³⁾ and highly breathable fabric⁽⁴⁾**, making it comfortable for all-day wear
- **Freedom of movement:** thanks to anatomic ③ adjustments (even at the most sensitive areas such as elbow folds or knee), allowing patients to move freely

EFFICIENCY

- **Innovative Knitting Technique⁽⁴⁾:** our high-tech knitting process creates a robust fabric maintaining necessary stiffness for effective compression.

SOFTNESS

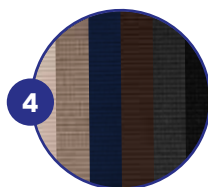
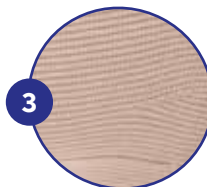
- Knitted from **polyamide microfiber yarn**, naturally soft⁽²⁾.
- Soft on the skin⁽³⁾ and highly breathable⁽⁴⁾

ADAPTED FIT

- **Made-to-measure patient** flat knit garment
- **Easy donning and doffing⁽⁵⁾**

DISCRETION

- Available in **timeless and sober colors:** beige, tanning beige, black, anthracite grey, night blue, brown ④, to adapt to different skin carnations and styles
- Controlled balance between the knitting parameters and the anti-slip device helps **proper hold on the limb. ⑤**
- **Seamless⁽¹⁾**



(1) Thanks to a manufacturing process that enables seamless knitting
(2) ETN 280 - Dossier Textile Polyamide - July Aug 2017 - Page 1
(3) Sensory analysis CC205 - 2024

(4) Performances tests report CC2205 - 2024
(5) Usability test report CC2205 - 2024
* Thanks to garments softness and anatomical fit

LYMPHATREX Revolution

ASQUAL
RAL



Order in
France

Made-to-measure patient & seamless
flat knit compression garments⁽¹⁾

For which patients

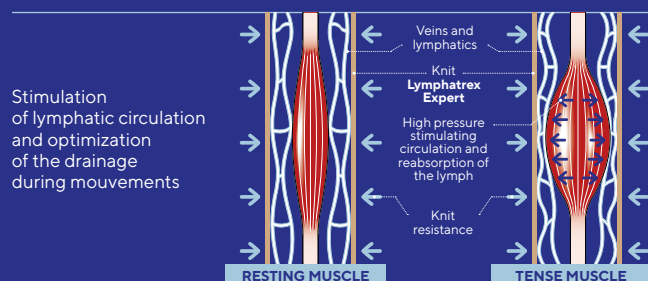
LYMPHATREX REVOLUTION garments are intended for use in the treatment of lymphedema in maintenance phase following a reduction phase and lipedema.

The range is recommended for patients presenting:

- Moderate to severe lymphedema⁽²⁾
- Non-regular limb shape with skin folds⁽²⁾
- Large limb circumference⁽²⁾

Mechanism of action







Containment: a short-stretch and robust technical knit allows **LYMPHATREX** garments to apply a high working pressure and a low resting pressure on the limb.⁽³⁾



Characteristics

Composition⁽⁴⁾: polyamide, elastane

Colors:

beige , tanning beige , black ,
anthracite grey , night blue , brown 

Compression classes:

ASQUAL	RAL
class 2 (15-20 mmHg)	class I (18-21mmHg) ⁽⁵⁾
class 3 (20-36 mmHg)	class II (23-32 mmHg)
class 4 (> 36mmHg)	class III (34-46mmHg)



⁽¹⁾ Thanks to a manufacturing process that enables seamless knitting

⁽²⁾ SFMIV - Compression et lymphoedème du membre inférieur - Comité Interface Compression - Septembre 2019 - Page 2

⁽³⁾ SNITEM - Coupé - Compression et contention : quelles différences ? Historique et Innovation en Lymphologie - Dec 2015 - Page 4

⁽⁴⁾ Please refer to the Instructions for Use of the product for the full list of components

⁽⁵⁾ Class 1: 15-21 mmHg for upper limb

LYMPHATREX Revolution

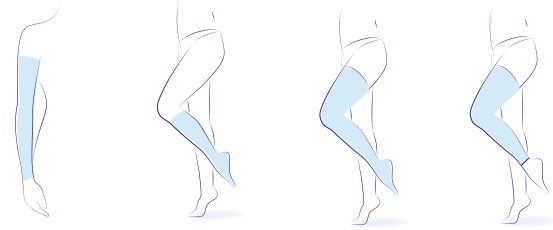
Made-to-measure patient flat knit compression garments

ASQUAL

RAL

Models and options

Upper limb & Lower limb



Armsleeve Below-knee Thigh-high Leg sleeve

Colors

Beige	●	●	●	●
Tanning Beige	●	●	●	●
Brown	●	●	●	●
Black	●	●	●	●
Anthracite grey	●	●	●	●
Dark blue	●	●	●	●

Proximal end options

Without anti-slip (ribbed edge)	●	●	●	●
Anti-slip with silicone dots 3 cm ¹	●	●	●	●
Anti-slip with silicone dots 5 cm	●	●	●	●
Angled proximal end	●	-	●	●
Proximal end with reduced compression	●	●	●	●
Hip cover 5 cm	-	-	●	●

Distal end options

Distal end with reduced compression	●	●	●	●
Hallux valgus functional zone	-	●	●	-
Open toe ²	-	●	●	-
Closed toe	-	●	●	-

Other options

Compression pad				
• Instep	-	●	●	-
• Medial malleolus	-	●	●	-
• Lateral malleolus	-	●	●	-
Anatomical knee zone ³	-	-	●	●
Anatomical elbow zone	●	-	-	-



MADE-TO-MEASURE PATIENT DEVICES

Made-to-measure patient devices require the involvement of a trained healthcare professional.

Measurement forms available on www.thuasne.com/en/our-services/measurement-forms



LYMPHATREX Expert

ASQUAL



Order in
France

Made-to-measure patient flat knit
compression garments

For which patients

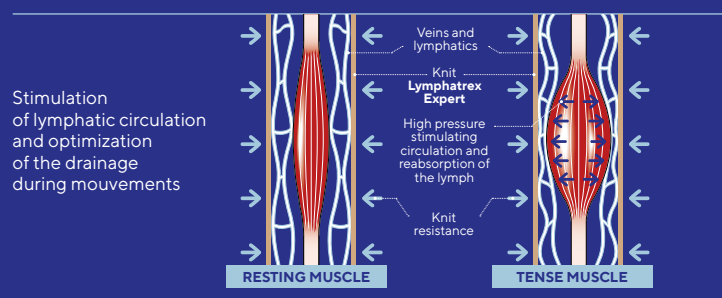
LYMPHATREX Expert garments are intended for use in the treatment of lymphedema in maintenance phase following a reduction phase and lipedema.

The range is recommended for patients presenting:

- Moderate to severe lymphedema⁽¹⁾
- Non-regular limb shape with skin folds⁽¹⁾
- Spreading to fingers or toes⁽¹⁾
- Large limb circumference⁽¹⁾
- Symptomatic treatment of lipedema

Mechanism of action

Containment: a short-stretch and robust technical knit allows **LYMPHATREX Expert** garments to apply a high working pressure and a low resting pressure on the limb.⁽²⁾



Characteristics

Composition ⁽³⁾: polyamide, elastane

Colors: beige , tanning beige , black 

Compression classes:

class 2 (15 – 20 mmHg),
class 3 (20 – 36 mmHg),
class 4 (> 36 mmHg)



(1) SFMV – Compression et lymphoedème du membre inférieur – Comité Interface Compression – September 2019 – Page 2

(2) SNITEM – Coupé – Compression et contention : quelles différences ? Historique et Innovation en Lymphologie – Dec 2015 – Page 4


(3) Please refer to the Instructions for Use of the product for the full list of components



SOFTNESS

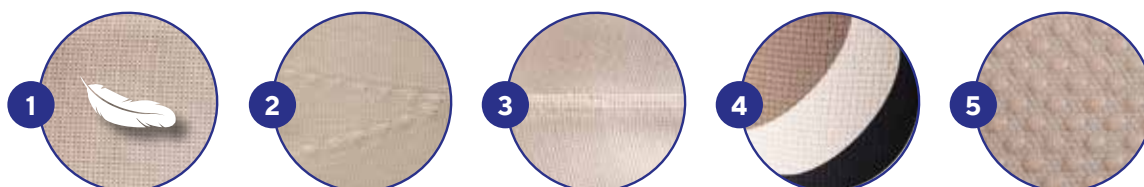
- Knitted from **polyamide microfiber yarn**, naturally soft⁽¹⁾.
- Fine weft of knitting and not in direct contact with the skin, in order to keep the **softness of the mesh**. ① (2)

COMFORT

- **Anatomical adjustment**, even at the most sensitive areas such as elbow folds or knee. ②
- **Thermoregulation** by double-sided knitting: absorption and then removal of moisture outwards⁽¹⁾. 
- **Flat seams**. ③
- **Sheathing knit**, does not penetrate skin folds.

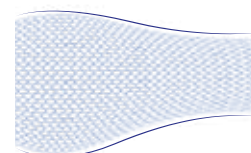
DISCRETION

- Available in **timeless and sober colors**: black, beige and tanning beige to adapt to different skin carnations. ④
- Controlled balance between the knitting parameters and the anti-slip device helps **proper hold on the limb**. ⑤



KNIT ADAPTATION TO LIMB VOLUME VARIATION

The **flat knitted** technology allows to vary the number of stitch loop on each row based on the precise patient measurements.



MADE-TO-MEASURE PATIENT DEVICES

Made-to-measure patient devices require the involvement of a trained healthcare professional.

Measurement forms available on www.thuasne.com/en/our-services/measurement-forms



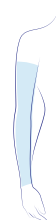
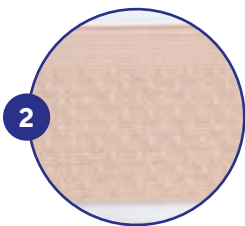
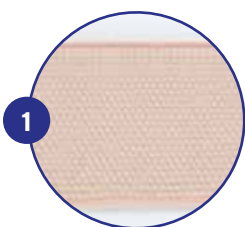
LYMPHATREX Expert

Made-to-measure patient flat knit compression garments

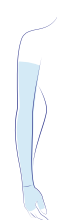
ASQUAL

Models and options

Upper limb



Armsleeve



Armsleeve
with mitten
or glove



Mitten



Glove

Compression level

15 - 20 mmHg	●	●	●	●
20 - 36 mmHg	●	●	●	●

Colors

Beige	●	●	●	●
Tanning Beige	●	●	●	●
Black	●	●	●	●

Proximal end options

Without anti-slip (ribbed edge)	-	-	●	●
Angled proximal edge	●	●	-	-
Elastic plain braid 3 cm ¹	●	●	●	●
Anti-slip with silicone dots 3 cm ²	●	●	●	●
Shoulder attachment	●	●	-	-
Shoulder cover	●	●	-	-
Non compressive cuff	-	-	●	●
Compressive cuff	-	-	●	●
Extended cuff	-	-	●	●

Distal end options

Zipper opening hand top ³	-	-	●	●
Foam compression pad	●	●	●	●



Lower limb



Compression level

20 - 36 mmHg	●	●	●	●	●	●
36 - 50 mmHg	●	●	●	●	●	●

Colors

Beige	●	●	●	●	●	●
Tanning Beige	●	●	●	●	●	●
Black	●	●	●	●	●	●

Proximal end options

Without anti-slip (ribbed edge)	●	-	-	-	-	-
Elastic plain braid 3 cm ¹	●	-	-	-	-	-
Anti-slip with silicone dots 3 cm ²	●	-	-	-	-	-
Anti-slip with silicone dots 5 cm ²	●	●	-	-	-	-
Angled thigh end	-	●	-	-	-	-
Hip cover	-	●	-	-	-	-
Elastic belt 5 cm	-	-	●	●	●	-
Adjustable elastic belt	-	-	●	●	●	-
Without belt	-	-	●	●	●	-

Brief options

Compressive brief	-	-	●	●	●	-
Non compressive brief	-	-	●	●	●	-
Hygiene tab	-	-	●	●	●	-
Opening zipper	-	-	●	●	●	-
Opening self gripping fasteners	-	-	●	●	●	-
Without opening	-	-	●	●	●	-

Distal end options

Open toe ⁴	●	●	●	●	-	-
Closed toe	●	●	●	●	-	-
With toes ⁵	●	●	●	●	-	●
Compression pad	●	●	●	●	●	-

Other options

Combination with thigh-high	-	-	●	-	●	-
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LYMPHATREX



Order in
Germany

Made-to-measure patient flat knit
compression garments

For which patients

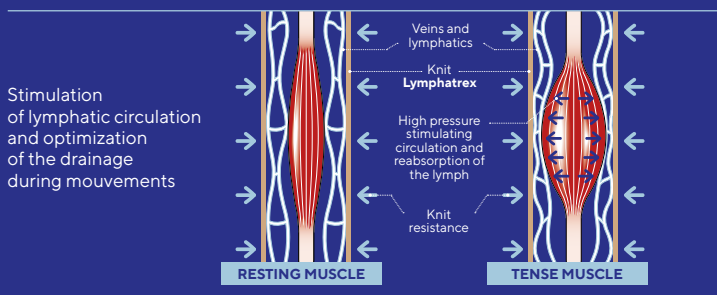
LYMPHATREX garments are intended for use in the treatment of lymphedema in maintenance phase following a reduction phase.

The range is recommended for patients presenting:

- Mild to severe lymphedema⁽¹⁾
- Non-regular limb shape with skin folds⁽¹⁾
- Spreading to fingers or toes⁽¹⁾
- Large limb circumference⁽¹⁾

Mechanism of action

Containment: a short-stretch and robust technical knit allows **LYMPHATREX** garments to apply a high working pressure and a low resting pressure on the limb.⁽²⁾



Characteristics

3 different materials : Support, Poly and Poly Strong

Composition ⁽³⁾: Polyamide, elastane

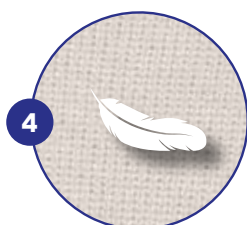
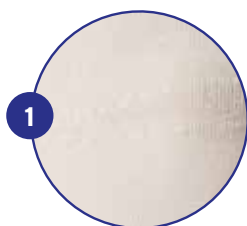
Colors:

beige , tanning beige , black ,
anthracite grey , night blue , jeans ,
mint , red , light-pink 

Compression classes:
class 1 (18 - 21 mmHg)⁽⁴⁾
class 2 (23 - 32 mmHg)
class 3 (34 - 46 mmHg)



(1) SFMV – Compression et lymphoedème du membre inférieur – Comité Interface – Compression – Septembre 2019 – Page 2
(2) SNITEM – Coupé – Compression et contention : quelles différences ? – Historique et Innovation en Lymphologie – Dec 2015 – Pages 4
(3) Please refer to the Instructions for Use of the product for the full list of components
(4) Class 1: 15-21 mmHg for upper limb



COMFORT

- **Anatomic adjustment**, even at the most sensitive areas such as elbow folds or knee. ^{1 2}
- **Flat seams**. ³
- **Sheathing knit**, does not penetrate skin folds.

ADAPTED FIT

- **Large variety of options** to adapt most of specific needs.
- **Large variety of models** to adapt most of lymphedema localizations.

LARGE CHOICE OF MATERIAL

3 different materials with specific properties:

- **Support**, soft and stabilizing at the same time. Can be used in cases of mild edema with normal to firm connective tissue. Being easy to put on and take off, it is therefore also suitable for beginners in compression therapy.
- **Poly**, knitted from polyamide microfibers, offers **softness** and **good thermoregulation** - ideal for more active patients. ⁴

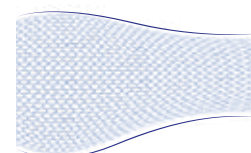


- **Poly Strong**, in addition to Poly properties, offers **stronger compression and rigidity** thanks to higher elastane content - for severe lymphedemas.



KNIT ADAPTATION TO LIMB VOLUME VARIATION

The **flat knitted** technology allows to vary the number of stitch loop on each row based on the precise patient measurements.



MADE-TO-MEASURE PATIENT DEVICES

Made-to-measure patient devices require the involvement of a trained healthcare professional.

Measurement forms available on demand: export.m2m@thuasne.de

LYMPHATREX

Made-to-measure patient flat knit compression garments

RAL

Models and options

Upper limb

Armsleeve

Mitten & glove

Armsleeve with
mitten or glove

Thorax

	CG	CG1	CE	AC1	AE	AG	Vest	Jacket
Material								
Support (available in class 1)	•	•	•	•	•	•	•	•
Poly (available in class 2)	•	•	•	•	•	•	•	•
Compression classes								
Class 1 (15 - 21 mmHg)	•	•	•	•	•	•	•	•
Class 2 (23 - 32 mmHg)	•	•	•	•	•	•	•	•
Colors								
Beige	•	•	•	•	•	•	•	•
Tanning Beige	•	•	•	•	•	•	•	•
Black	•	•	•	•	•	•	•	•
Anthracite grey	•	•	•	•	•	•	•	•
Night blue	•	•	•	•	•	•	•	•
Jeans	•	•	•	•	•	•	•	•
Mint	•	•	•	•	•	•	•	•
Red	•	•	•	•	•	•	•	•
Light-pink	•	•	•	•	•	•	•	•
Proximal end options								
Aslope edge	•	•	•	-	•	•	-	-
Anti-slip with silicone dots	•	•	•	•	•	•	•	•
Pieces of anti-slip with silicone dots	•	•	•	•	•	•	•	•
Elastic plain braid	•	•	•	•	•	•	•	•
Knitted anti-slip tape	•	•	•	•	•	•	•	•
Silicone pads	•	•	•	•	•	•	-	-
Shoulder cover	•	•	•	-	•	•	-	-
Shoulder attachment	•	•	-	-	•	•	-	-
Knitted anti-slip tape	•	•	-	-	•	•	-	-
Raglan arm	-	-	-	-	-	-	•	•
T-shirt arm	-	-	-	-	-	-	•	•
Distal end options								
Distal Porous	•	•	•	-	•	•	•	-
Distal full compression	•	•	•	•	•	•	-	-
With fingers	-	-	-	•	•	•	-	-
Without fingers	-	-	-	•	•	•	-	-
Cup options								
SilonTex epithesis pocket right/left	-	-	-	-	-	-	•	•
Cup right/left	-	-	-	-	-	-	•	•
Openings options								
Zipper with hooks and eyes	•	•	•	•	•	•	•	•
Zipper	•	•	•	•	•	•	•	•
Self gripping fasteners	•	•	•	•	•	•	•	•
Hooks and eyes	•	•	•	•	•	•	•	•
Inside/outside	•	•	•	•	•	•	•	•
Small finger side	-	-	-	•	•	•	-	-
Thumb side	-	-	-	•	•	•	-	-
Openings options								
Anatomical elbow 20/40/60/90°	•	•	-	-	•	•	•	-
Lining	•	•	•	•	•	•	-	-
Buffer material	•	•	•	•	•	•	-	-
In combination with sleeve	-	-	-	•	•	•	•	•
Compression pad	-	-	-	•	•	•	-	-

Lower limb

	AB1	AD	AF	AG	AT	ATE	FT	ET	CT	CTE	BT	Toe Cap
Material												
Support (available in class 1)	•	•	•	•	•	•	•	•	•	•	•	•
Poly (available in class 2)	•	•	•	•	•	•	•	•	•	•	•	•
Poly strong (available in class 2 or 3)	•	•	•	•	•	•	•	•	•	•	•	•
Compression classes												
Class 1 (18 - 21 mmHg)	•	•	•	•	•	•	•	•	•	•	•	•
Class 2 (23 - 32 mmHg)	•	•	•	•	•	•	•	•	•	•	•	•
Class 3 (34 - 46 mmHg)	•	•	•	•	•	•	•	•	•	•	•	-
Colors												
Beige	•	•	•	•	•	•	•	•	•	•	•	•
Tanning Beige	•	•	•	•	•	•	•	•	•	•	•	•
Black	•	•	•	•	•	•	•	•	•	•	•	•
Anthracite grey	•	•	•	•	•	•	•	•	•	•	•	•
Night blue	•	•	•	•	•	•	•	•	•	•	•	•
Jeans	•	•	•	•	•	•	•	•	•	•	•	•
Mint	•	•	•	•	•	•	•	•	•	•	•	•
Red	•	•	•	•	•	•	•	•	•	•	•	•
Light-pink	•	•	•	•	•	•	•	•	•	•	•	•
Proximal end options												
Waist belt	-	-	-	-	•	•	•	•	•	•	•	-
Perforated elastic tape	•	•	•	•	•	•	•	•	•	•	•	-
Hip attachment	-	-	-	•	-	-	-	-	-	-	-	-
Suspenders	•	•	•	•	•	•	•	•	•	•	•	-
Porous edge	•	•	•	•	•	•	•	•	•	•	•	-
Anti-slip with silicone dots	•	•	•	•	•	•	•	•	•	•	•	-
Pieces of anti-slip with silicone dots	•	•	•	•	•	•	•	•	•	•	•	-
Elastic plain braid	•	•	•	•	•	•	•	•	•	•	•	-
Knitted anti-slip tape	•	•	•	•	•	•	•	•	•	•	•	-
Aslope edge	•	•	•	•	•	•	•	•	•	•	•	-
Anti-slip tape 3/4 inside	•	•	•	•	•	•	•	•	•	•	•	-
Silicone pads	•	•	•	•	•	•	•	•	•	•	•	-
Distal end options												
Open toe straight	•	•	•	•	•	•	-	-	-	-	-	•
Open toe angled	•	•	•	•	•	•	-	-	-	-	-	•
Closed toe straight	•	•	•	•	•	•	-	-	-	-	-	•
Closed toe angled	•	•	•	•	•	•	-	-	-	-	-	•
With toes	•	•	•	•	•	•	-	-	-	-	-	•
Heel with compression	•	•	•	•	•	•	-	-	-	-	-	•
Heel without compression	•	•	•	•	•	•	-	-	-	-	-	•
Foot with compression	•	•	•	•	•	•	-	-	-	-	-	•
Foot without compression	•	•	•	•	•	•	-	-	-	-	-	•
Y-heel compressed	•	•	•	•	•	•	-	-	-	-	-	•
Porous edge	•	•	•	•	•	•	•	•	•	•	•	•
Anti-slip with silicone dots	•	•	•	•	•	•	•	•	•	•	•	•
Pieces of anti-slip with silicone dots	•	•	•	•	•	•	•	•	•	•	•	•
Elastic plain braid	•	•	•	•	•	•	•	•	•	•	•	•
Knitted anti slip tape	•	•	•	•	•	•	•	•	•	•	•	•
Silicone pads	•	•	•	•	•	•	•	•	•	•	•	•
Openings options												
Zipper with hooks and eyes	•	•	•	•	•	•	•	•	•	•	•	-
Zipper	•	•	•	•	•	•	•	•	•	•	•	-
Front/back	•	•	•	•	•	•	•	•	•	•	•	-
Right/left	•	•	•	•	•	•	•	•	•	•	•	-
Gusset options												
With compression	-	-	-	-	•	•	•	•	•	•	•	-
Without compression	-	-	-	-	•	•	•	•	•	•	•	-
Stiff	-	-	-	-	•	•	•	•	•	•	•	-
Porous	-	-	-	-	•	•	•	•	•	•	•	-
Small/medium/large width	-	-	-	-	•	•	•	•	•	•	•	-
With relief opening	-	-	-	-	•	•	•	•	•	•	•	-
Other options												
With stocking/pants separate	•	•	•	•	•	•	•	•	•	•	•	-
Standard knee	-	-	•	•	•	•	•	•	•	•	•	-
Anatomical knee 20/40/60/90°	-	-	•	•	•	•	•	•	•	•	•	-

LYMPHATREX Essential

ASQUAL



Order in
France

Made-to-measure patient
circular knit compression garments

For which patients

LYMPHATREX Essential garments are intended for use in the treatment of lymphedema in maintenance phase following a reduction phase and lipedema.

The range is recommended for patients presenting:

- Mild to moderate lymphedema⁽¹⁾
- Regular limb shape without skin folds⁽¹⁾
- Symptomatic treatment of lipedema



IN CASE OF SEVERE LYMPHEDEMA

Flat knitted garment may be more appropriate providing stronger containment of the edema⁽¹⁾.

Mechanism of action

Compression: to help lymphatic circulation and prevent the formation of edema⁽²⁾

Characteristics

Composition⁽³⁾: polyamide, elastane

Colors: beige , black 

Compression classes:
Class 2 (15 – 20 mmHg)
Class 3 (20 – 36 mmHg)



(1) SFMV – Compression et lymphoedème du membre inférieur – Comité Interface Compression – September 2019 – Page 2

(2) SNITEM – Coupé – Compression et contention : quelles différences ? , Historique et Innovation en Lymphologie – Dec 2015 – Pages 4 & 5

(3) Please refer to the Instructions for Use of the product for the full list of components



IMPROVED SOFTNESS⁽⁴⁾

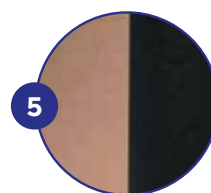
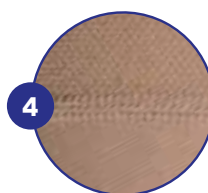
- 5 times softer inside the garment.
- 7 times softer outside the garment. **1**

IMPROVED COMFORT⁽⁴⁾

- 2 times more supple knit for a second skin feeling.
- Cooler thermal feeling wearing the garment than competitive products. **2**
- 2 times more elastic in height for a better hold.
- Enhanced mitten finishing for more comfort at the thumb commissure. **3**
- Flat seams. **4**

MORE COLOR CHOICE⁽⁴⁾

- Available in beige and black. **5**



MADE-TO-MEASURE PATIENT DEVICES

Made-to-measure patient devices require the involvement of a trained healthcare professional.

Measurement forms available on www.thuasne.com/en/our-services/measurement-forms



(4) Compared to Thuasne® Lymphology. IFTH sensorial analysis circular knit garments - Nov 2019. Inside softness: 4,88/10 for Lymphatrex Essential vs 0,83/10 for Thuasne® Lymphology. Outside softness: 7,62/10 for Lymphatrex Essential vs 1,16/10 for Thuasne® Lymphology. Suppleness: 6,89/10 for Lymphatrex Essential vs 2,91/10 for Thuasne® Lymphology. Elasticity in height: 4,36/10 for Lymphatrex Essential vs 1,97/10 for Thuasne® Lymphology. Thermal feeling: 2,85/10 for Lymphatrex Essential vs 3,73 to 7,59/10 for tested competitive products (SIGVARIS Coton 3, VARISAN Circulaire, JUZO Dynamic, JUZO Dynamic Cotton, RADIANTE Qoton and JOBST Bellavar)

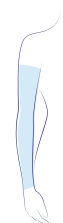
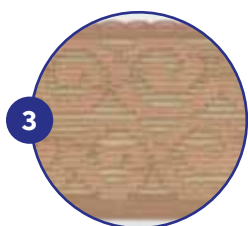
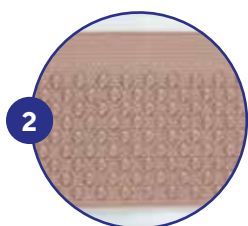
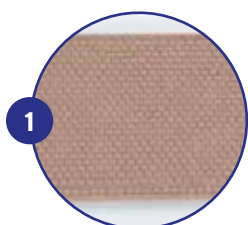
LYMPHATREX Essential

Made-to-measure patient circular knit compression garments

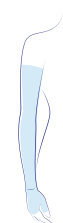
ASQUAL

Models and options

Upper limb



Armsleeve



Armsleeve with
mitten



Mitten

Compression classes

Class 2 (15 - 20 mmHg)	●	●	●
Class 3 (20 - 36 mmHg)	●	●	●

Colors

Beige	●	●	●
Black	●	●	●

Proximal end options

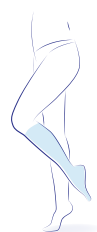
Without anti-slip (ribbed edge)	-	-	●
Elastic plain braid 3 cm ¹	●	●	-
Anti-slip with silicone dots 3 cm ²	●	●	-
Silicone anti-slip for women 5 cm ³	●	●	-
Shoulder cover	●	●	-

Distal end options

With thumb	-	●	●
Without thumb ⁴	-	●	●



Lower limb



Below-knee



Thigh-high



Tights

Compression classes

Class 2 (15 - 20 mmHg)	●	●	●
Class 3 (20 - 36 mmHg)	●	●	●

Colors

Beige	●	●	●
Black	●	●	●

Proximal end options

Without anti-slip (ribbed edge)	●	-	-
Elastic plain braid 5 cm ¹	-	-	●
Anti-slip with silicone dots 3 cm ²	●	-	-
Anti-slip with silicone dots 5 cm ²	●	●	-
Silicone anti-slip for women 5 cm ³	-	●	-
Hip cover	-	●	-

Brief options

Compressive brief	-	-	●
Non compressive brief	-	-	●

Distal end options

Open toe	●	●	●
Closed toe ⁵	●	●	●
Compression pad	●	●	●

VENO ELEGANCE



Standard circular knit compression garments



Standard products
Faster* availability

For which patients

VENO ELEGANCE armsleeves are intended for use in the treatment of lymphedema in maintenance phase following a reduction phase.

The product is recommended for patients presenting:

- Mild to moderate lymphedema⁽¹⁾
- Regular limb shape without skin folds⁽¹⁾

Mechanism of action

Compression: to help lymphatic circulation and prevent the formation of edema⁽²⁾

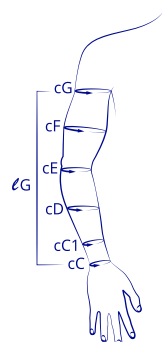
Characteristics

Composition⁽³⁾: polyamide microfiber, elastane

Color: beige 

Compression class: class 2 (23 - 32 mmHg)

Size



	SMALL	MEDIUM	LARGE
cG	25 - 29.5	30 - 35.5	36 - 42
cF	23 - 26.5	27 - 31	31.5 - 36
cE	21 - 24.5	25 - 28.5	29 - 33
cD	20 - 23.5	24 - 27.5	28 - 32
cC1	13.5 - 16	16.5 - 19	19.5 - 22.5
cC	13 - 15.5	16 - 18.5	19 - 22
Length SHORT			
ℓG	38 - 44	40 - 46	42 - 48
Length LONG			
ℓG	42 - 48	44 - 50	46 - 52



* Compared to Made-to-Measure patient devices

(1) SFMV - Compression et lymphœdème du membre inférieur - Comité Interface Compression - September 2019 Page 2

(2) SNITEM - Coupé - Compression et contention : quelles différences ? Historique et Innovation en Lymphologie Dec 2015 - Page 5


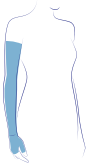


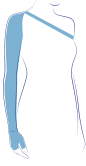

(3) Please refer to the Instructions for Use of the product for the full list of components



Models and options

Armsleeve & armsleeve with mitten

Class 2 (23 - 32 mmHg)

	DESIGNATION	Ref Short	Ref Long
	Armsleeve with anti-slip		
	Small	2002D221102561	2002D221102563
	Medium	2002D221202561	2002D221202563
	Large	2002D221302561	2002D221302563
	Armsleeve with mitten and anti-slip		
	Small	2002D221102551	2002D221102553
	Medium	2002D221202551	2002D221202553
	Large	2002D221302551	2002D221302553
	Armsleeve with shoulder cover - RIGHT		
	Small	2002E220102561	2002E220102563
	Medium	2002E220202561	2002E220202563
	Large	2002E220302561	2002E220302563
	Armsleeve with shoulder cover - LEFT		
	Small	2002F220102561	2002F220102563
	Medium	2002F220202561	2002F220202563
	Large	2002F220302561	2002F220302563
	Armsleeve with mitten and shoulder cover - RIGHT		
	Small	2002E220102551	2002E220102553
	Medium	2002E220202551	2002E220202553
	Large	2002E220302551	2002E220302553
	Armsleeve with mitten and shoulder cover - LEFT		
	Small	2002F220102551	2002F220102553
	Medium	2002F220202551	2002F220202553
	Large	2002F220302551	2002F220302553



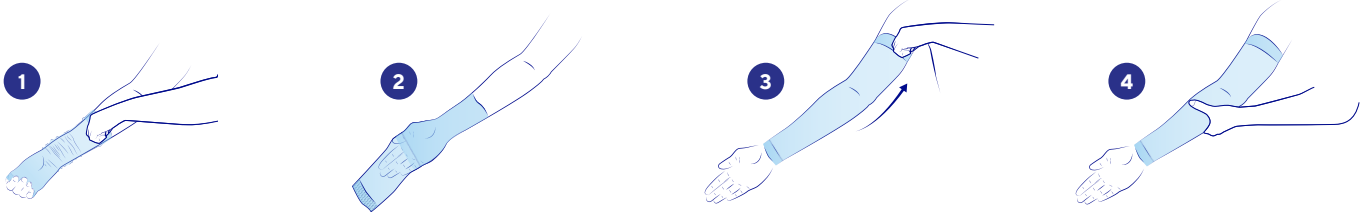
LYMPHATREX Essential / VENO ELEGANCE LYMPHATREX Expert & LYPHATREX Revolution



Fitting instructions

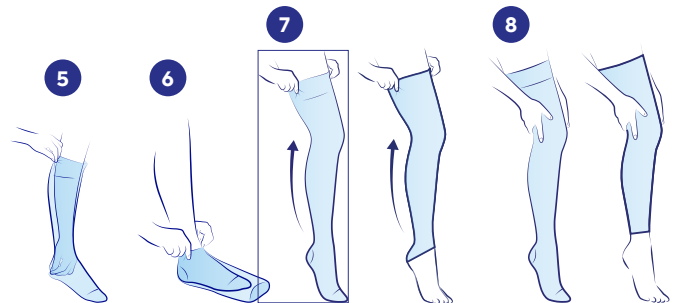
Armsleeves

- Place your hand inside the garment and turn it back on itself to the hand opening. ①
- Place your hand inside the garment ②, then carefully slide it over the limb to under the armpit (armsleeve and armsleeve with mitten), or to the wrist (mitten and glove). ③
- Avoid pulling the garment any more than necessary.
- Adjust the garment to ensure there are no wrinkles along the length of the limb.
- Once the garment is properly in place, massage the limb to ensure uniform compression. ④



Below-knee & Thigh-High

- Place your hand inside the garment and turn it back on itself to the heel (not applicable for the leg sleeve). ⑤
- Slip your foot into the garment until the heel is correctly positioned (not applicable for the leg sleeve). ⑥
- Carefully slide the garment over the limb to below the knee (below-knee), below the gluteal fold (thigh-high), or to the hip (tights or half-tight). ⑦
- Avoid pulling the garment any more than necessary.
- Adjust the garment to ensure there are no wrinkles along the length of the limb.
- Thigh-high or below-knee with anti-slip system: when putting on the garment, be careful not to grip the anti-slip part to avoid damage.
- Once the garment is properly in place, massage the limb to ensure uniform compression. ⑧



Care instructions

**It is recommended to wash the garment before first use.
Wash your garment every day, or after each use.**

- Machine wash at 30°C (Lymphatrex Expert / Lymphatrex Revolution) and at 40°C (Lymphatrex Essential / Lymphatrex).
- Use a washing product without softener. Do not use detergents, fabric softeners or aggressive products (products containing chlorine).
- Place the garment in a wash bag to make sure other garments (particularly those with touch fasteners or zips) do not damage the knit of your garment.
- Dry well away from any direct heat source (radiator, sun, etc.).
- Do not tumble-dry.
- Do not iron.



For rest and night-time treatment

MOBIDERM® GARMENTS

In order to maintain results obtained during the intensive phase of treatment, the patient must have access, during the maintenance phase, to a permanent and comfortable treatment.

Patient's autonomy will contribute to compliance to the treatment prescribed and can guarantee its long-term success.

Taking over from day-time compression and as an alternative to self-bandage, Mobiderm® garments have been developed to continue mobilizing the edema during the night, and thereby reinforce the effects of the day-time treatment.⁽¹⁾⁽²⁾

These garments are made of a soft elastic material designed to deliver pressure, well-accepted by patients in the rest and night-time phase⁽²⁾. They are fitted with the Mobiderm® Technology on the inside, which helps promoting lymphatic circulation with micro-massages.

Effective

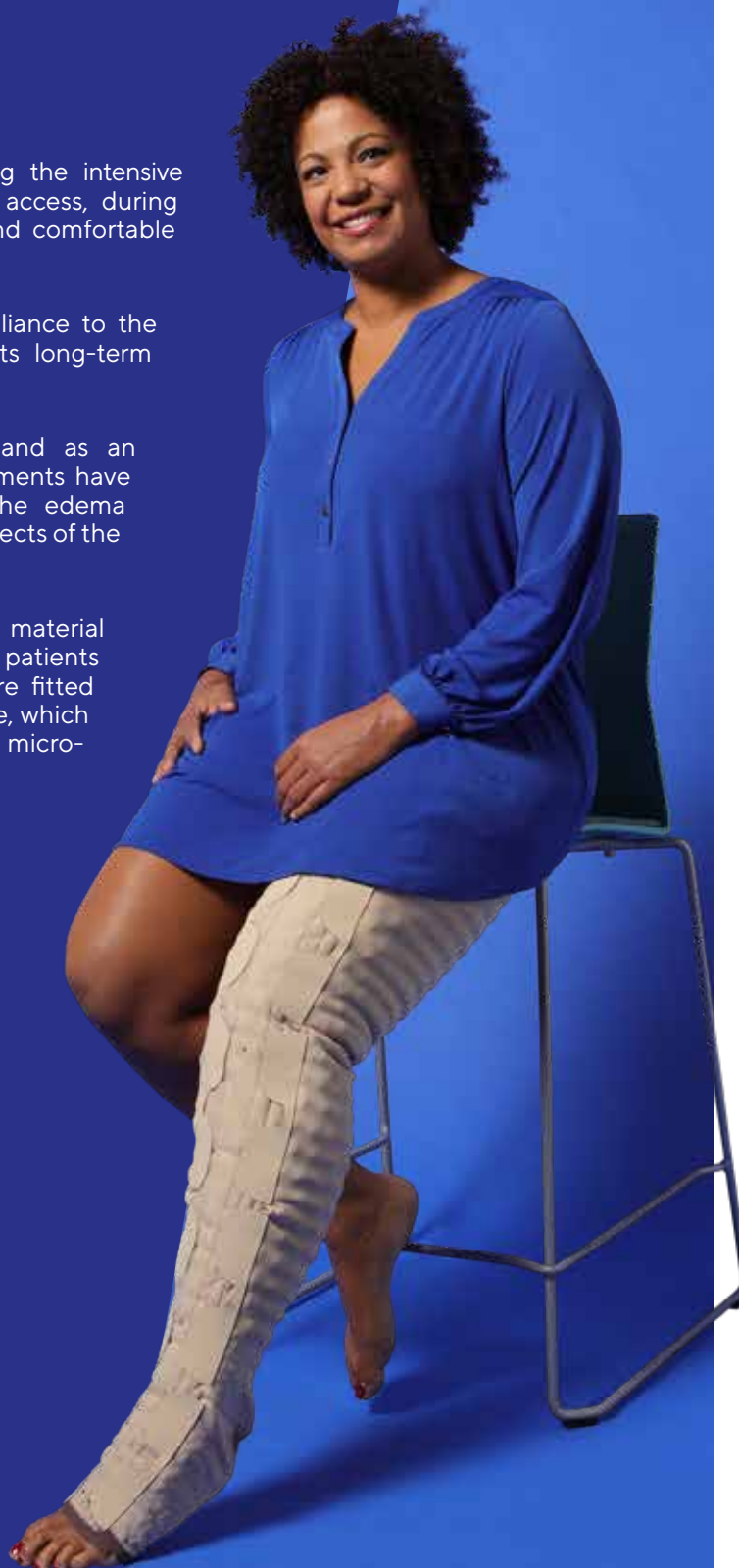
- Reinforces the effects of the day-time treatment⁽¹⁾⁽²⁾
- Maintains the volume reduction of the edema⁽²⁾

Ease of use

- Enhances patient's autonomy and self-management
- A single garment to put on

Comfortable

- Unintrusive and discreet treatment⁽²⁾
- Does not disturb the sleep⁽²⁾



(1) Todd - Mobiderm® Autofit: an adjustable sleeve that enables patients to self-manage lymphedema - Chronic edema - April 2018 - Page 6

(2) Mestre - Interest of an auto-adjustable night-time compression sleeve (Mobiderm® Autofit) in maintenance phase of upper limb lymphedema: the MARILYN pilot RCT - Support Care Cancer (25:2455-2462) - 2017 - Page 6 & 7

MOBIDERM® Intimate BRA

Compression bra for lymphatic drainage
Compression and reduction of swelling of the chest and thorax after breast cancer surgery

For which patients

The **MOBIDERM® INTIMATE BRA** is for patients with:

- Acute or chronic edemas and lymphedemas of the breast and/or the breast wall
- Postoperative edemas or edemas after radio therapy (only on intact skin)
- Chronic infiltration after reconstruction, remaining chronic breast wall edemas

The **MOBIDERM® INTIMATE BRA** is composed of:

- A compression bra
- Two Mobiderm® pads adapted to the bra pockets

Characteristics

Colors : nude 

Compression value: 7 - 10 mmHg

Composition

- **Compression bra:** polyamide, elastane, polyester, polyurethane
- **Mobiderm® mobilizing pads:** polyester, polyamide, acrylic glue, polyethylene foam

New separate Mobiderm pad available from 2025 on - ref. T57135

Sizes

Size	Chest size (in cm)	Cup	EAN Code for the bra	EAN Code for the pad
XS	70 - 75	AA - A	4035459397506	4035459423908
		B - C	4035459397483	
		D - E	4035459397490	
S	80 - 85	AA - A	4035459397537	4035459423915
		B - C	4035459397513	
		D - E	4035459397520	
M	90 - 95	AA - A	4035459397568	4035459423922
		B - C	4035459397544	
		D - E	4035459397551	
L	100 - 105	AA - A	4035459397599	4035459423939
		B - C	4035459397575	
		D - E	4035459397582	
XL	110 - 115	AA - A	4035459397629	4035459423946
		B - C	4035459397605	
		D - E	4035459397612	





Chest

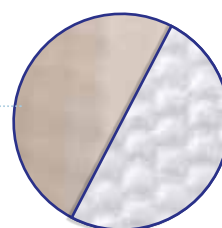
The compressive lymph bra is used for the compression and drainage of edemas in the area of the chest and thorax wall (e.g. following mammary carcinoma).

After breast plastic surgery, the Mobiderm® Intimate bra has a form-stabilizing effect⁽¹⁾ and provides support through compression and drainage of edema (with pads)⁽²⁾ that may develop after breast cancer treatment.

- The bra exerts increased pressure⁽³⁾ on the tissue areas affected by edemas. This improves lymphatic drainage⁽²⁾.
- Compression in the scar tissue area minimizes the development of hematomas⁽⁴⁾.



Compression bra



Adapted pads:

Two Mobiderm® pads adapted to the pockets of the bra (the pockets are also adapted to add external breast forms).

COMFORT⁽¹⁾

- Adaptable to most body types: several sizes available.
- Flexible and thin: thanks to the physical properties of the materials: polyamide, elastane, polyester, polyurethane⁽⁶⁾.
- A complete solution: bra + pad.
- Possibility of inserting the pad (or an external breast form) inside the bra or to remove it according to the patient's needs.
- Easy to put on and take off thanks to the opening on the front of the bra.
- New from 2025: The Mobiderm pads are available separately.



**Donning instruction for
Mobiderm Intimate Bra**

EFFECTIVENESS

Patented Mobiderm® technology⁽⁷⁾:
edema drainage⁽²⁾⁽⁵⁾

DISCRETION



Neutral color: nude



Can be worn day or night



Thinness of the product

(1) Due to its origin, the Mobiderm® Intimate bra is based on the Cara compression bra.
(2) I. Quéré, E. Presles, M. Coupé, S. Vignes, L. Vaillant, D. Eveno, S. Laporte, A. Leizorovicz, Investigateurs étude POLIT – Prospective multicenter. Observational study of lymphoedema therapy: POLIT study – Journal des maladies vasculaires 2014) 39, 256-263

(3) Refer to the CE marking data

(4) Lehrbuch der Lymphologie für Mediziner und Physiotherapeuten Földi, Michael, Kubik, Stefan ISBN 10: 3437453211 / ISBN 13: 9783437453212 Verlag: Urban & Fischer, 2002, S.678, Kap. 20.3.5 (Textbook of lymphology for physicians and physiotherapists).

(5) Mestre – Interest of an auto-adjustable night-time compression sleeve (Mobiderm® Autofit) in maintenance phase of upper limb lymphedema: the MARILYN pilot RCT – Support Care Cancer (25:2455-2462) – 2017 – Page 7

(6) L'atelier du papetier – Les fibres textiles – 2020

(7) Patent granted in: Austria, Belgium, Canada, China, Czech Republic, Denmark, Finland, France, Germany, Hungary, India, Italy, Netherlands, Poland, Portugal, Romania, Slovakia, Spain, Sweden, Switzerland, United Kingdom, USA. Information valid as of 01 November 2024 (for 12 months).

MOBIDERM® Intimate SHORTS

Compression and mobilization shorts
Treatment of pelvic and genital lymphedema

For which patients

MOBIDERM® INTIMATE SHORTS is intended for patients with:

- Pelvic and/or genital edema
- Mild to severe lymphedema
- Stable or progressive edema
- Regular or irregular morphology

Characteristics

Colors : black and navy blue

Compression values:

- 15 - 20 mmHg in the pelvic area
- 5 - 10 mmHg at the abdominal and mid-thigh area

Composition

- **Compression shorts:** polyamide, elastane, polyester
- **Mobiderm® mobilizing genital pad small blocks:** polyester, polyamide, acrylic glue, polyethylene foam



Sizes

		cK (cm)	cG (cm)	
	cK			
	cG			
	1	88 - 94	45 - 54	
	2	95 - 101	48 - 58	
	3	102 - 108	51 - 62	
	4	109 - 115	54 - 66	
	5	116 - 122	57 - 69	
	6	123 - 129	60 - 72	

		cK (cm)	cG (cm)	
	cK			
	cG			
	1	88 - 94	45 - 54	
	2	95 - 101	48 - 58	
	3	102 - 108	51 - 62	
	4	109 - 115	54 - 66	
	5	116 - 122	57 - 69	
	6	123 - 129	60 - 72	

cK (cm) : Hip circumference
cG (cm) : Upper thigh circumference

Pelvic and genital area



The OLYMPY study⁽¹⁾ is the first study to evaluate a compression device specifically for genital and pelvic lymphoedema.

COMFORT⁽¹⁾

Soft fabric⁽²⁾⁽³⁾ for more comfort

Adaptable to most morphologies⁽³⁾:

6 sizes for women and 6 sizes for men

Flexible and thin: due to the physical properties of the materials, their location and their assembly according to the body areas⁽³⁾

A complete solution: shorts + pad

- 89% of patients think that this device provides a differentiating solution compared to what exists on the market⁽¹⁾
- 83% of patients think that this device is better than existing products⁽¹⁾ (esthetics, thickness, ability to movement, comfort, daily use).

Possibility to insert the pad inside the shorts or remove it according to the patient's needs.



Patented
device⁽⁴⁾

DISCRETION⁽¹⁾



Patent⁽⁴⁾ deposit on the model, with sober colors: black and blue



Is used as underwear



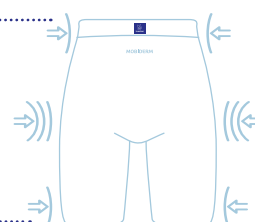
Can be worn during the day as well as at night



Product thinness⁽¹⁾



- Targeted compression and retention (15 - 20 mmHg) in the pelvic area, genitals, buttocks and thighs*.
- Decreasing compression upwards and downwards the pelvis.*
- Compatible with compression stockings.*



(1) Positive impact of a new compressive garment in patients with genital lymphedema: OLYMPY STUDY. Sandrine Mestre, Stéphane Vignes, Julie Malloizel-Delaunay, Sarah Abba, Stéphanie Villet, Astrid Picolet, Eric Vicaut, and Isabelle Quéré. Lymphatic Research and Biology. April 2024; 22(2): 138-146

(2) CC1508 - Rationnel de formulation - Janvier 2022 (Formulation plan)

(3) CC1508 - Panty Mobiderm® - Plan de validation (2019) (Validation Plan)

(4) Patent granted in: China. Patent Application pending in Europe, France, French Polynesia, Japan, South Korea, USA. Information valid as of 01 November 2024 (for 12 months)

*Refer to the Instructions For Use

Positive Impact of a New Compressive Garment in Patients with Genital Lymphedema: OLYMPY⁽¹⁾ study

A multicenter, prospective, open-label single-armed study

Introduction

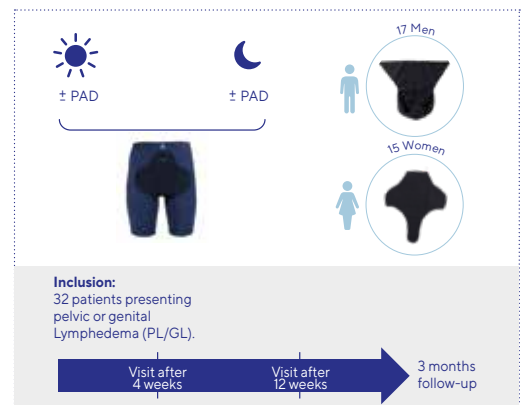
Pelvic or genital lymphedema (PL/GL) is a chronic and challenging condition, that causes important discomfort and swelling altogether with emotional and social problems, leading to impaired quality of life for affected patients and families. At the time the study was designated, there were no standard of care regarding treatment or evaluation criteria. It was decided to set up a non-comparative clinical exploratory study to assess the performance and safety profile of a new compression device in patients presenting PL/GL.

Objective

The aim of this study was to evaluate the benefit for the patient to wear the Mobiderm® Intimate Shorts for 12 weeks, according to the Patient Global Impression of Change (PGI-C) questionnaire.

Methodology

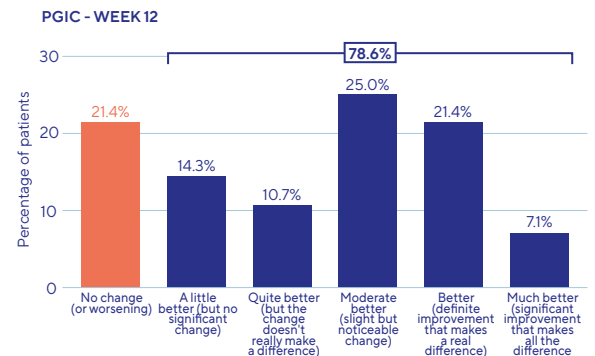
32 patients with PL/GL were followed and evaluated for 12 weeks within three specialist centers for vascular medicine. All patients were advised to use the MOBIDERM® Intimate SHORTS as long as possible throughout the day and night.



Results

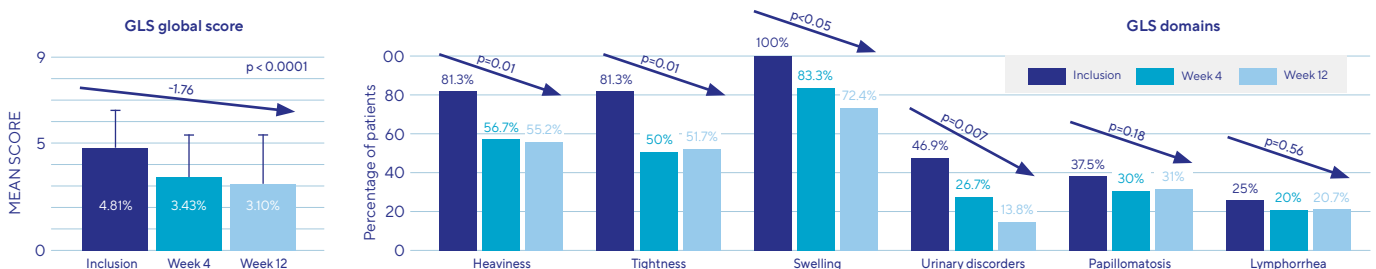
AN IMPROVEMENT IN THE PATIENT'S CLINICAL CONDITION

After 12 weeks, **78.6%** of patients reported some improvement of their condition according to the PGI-C, with **28.5%** of patients reaching a strong improvement with a real relevant change. This positive evolution was confirmed by physicians using the CGI-I, indicating a clinical improvement in **82.8%** of patients after 12 weeks. Among them, **27.6%** showed strong improvement, while **20.7%** exhibited very strong improvement.



A SIGNIFICANT REDUCTION IN GENITAL LYMPHEDEMA SEVERITY

Lymphedema severity: The mean global Genital Lymphedema Score (GLS) significantly decreased, from 4.81 at baseline to 3.10 at week 12, indicating a significant decrease in genital lymphedema severity ($p < 0.0001$). The proportion of patients reporting heaviness, tightness, swelling or urinary disorders significantly decreased after 12 weeks.



Scrotum perimetry: In men, a significant 2.7 cm reduction in one of the 3 scrotal perimetric measurements (middle-scrotal circumference), was observed after 12 weeks ($p=0.001$), and overall, 2/3 of men showed a decrease in scrotal perimetry.

Skin suppleness: After 12 weeks, 2/3 of the patients (65.5%) reported an increase in their skin suppleness ($p=0.009$), and the percentage of patients with indurated skin was divided by 7.

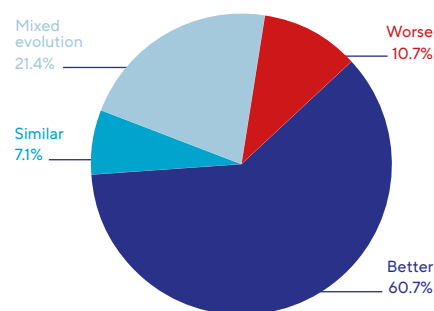
AN IMPROVEMENT IN QUALITY OF LIFE (QOL) AND LYMPHEDEMA-ASSOCIATED SYMPTOMS

General QoL: According to the EQ-5D-5L, 60.7% of patients showed a better global quality of life after 12 weeks.

QoL related to LO: According to the LyQLI, an improvement in the physical (-0.22 , $p=0.11$), psychosocial (-0.22 , $p=0.05$) and practical (-0.14 , $p=0.68$) domains was also observed.

Symptoms: Swelling ($p=0.01$) and global discomfort ($p=0.02$) related to lymphedema significantly improved after 12 weeks, with over 1.5 points decrease in VAS scores.

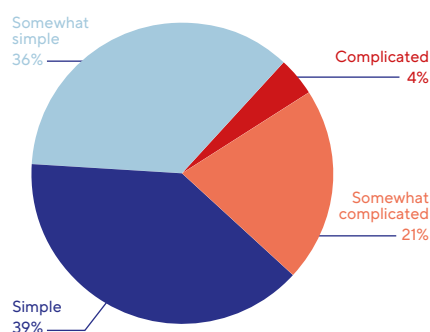
QoL evolution - EQ-5D-5L



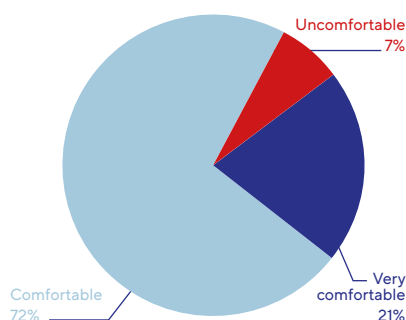
A HIGH COMPLIANCE AND SATISFACTION WITH MOBIDERM® INTIMATE SHORTS

- 69% of patients showed good compliance with the MOBIDERM® Intimate SHORTS during the day and 45% during the night (more than 5 days/nights per week)
- 75% of patients found the device easy to use and 93% of patients comfortable.
- Pressure of the device was well-tolerated for 92% of patients and 86% of patients were globally satisfied with the product
- 96% of patients wanted to continue wearing the MOBIDERM® Intimate SHORTS after the study
- 13 adverse events in 12 patients were considered to be related to the study garment, mainly including skin complaints (pruritus, irritation and skin marks) or lower limb/knee swelling.

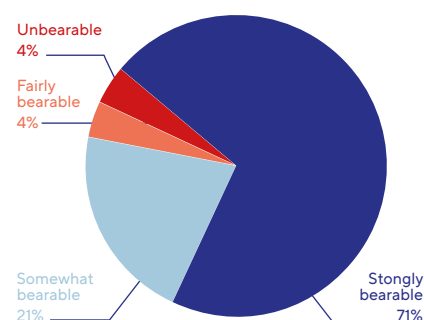
Ease of use



Comfortable



Pressure applied



CONCLUSION

This is the first study that evaluated a compression device specifically targeted for genital lymphedema

The use of MOBIDERM® Intimate Shorts provides clinical benefits to patients with genital/pelvic lymphedema, with a significant improvement in genital lymphedema severity, associated symptoms and quality of life.

The MOBIDERM® Intimate SHORTS may present potential benefits in routine use, with a favorable benefit-risk balance.

Further studies are required to confirm these results.

MOBIDERM® autofit

Standard adjustable mobilizing garments



Standard products

Faster* availability

Description

The **MOBIDERM® AUTOFIT GARMENTS** are designed to mobilize edematous or indurated subcutaneous tissues. They are intended for the treatment of edema (e.g. lymphedema) in intensive phase to reduce the volume of the edema and during the maintenance phase to maintain the volume reduction.

The standard, self-adjustable garment adapts to most of patient's individual body shape and evolution overtime.

They are available in multiple models:

- For upper limb: Mobiderm® Autofit armsleeve with mitten.
- For lower limb: Mobiderm® Autofit below-knee or thigh-high.

For which patients

MOBIDERM® AUTOFIT GARMENTS are recommended for patients presenting:

- Mild to moderate lymphedema
- Regular or non-regular limb shape
- Stable or evolutive edema

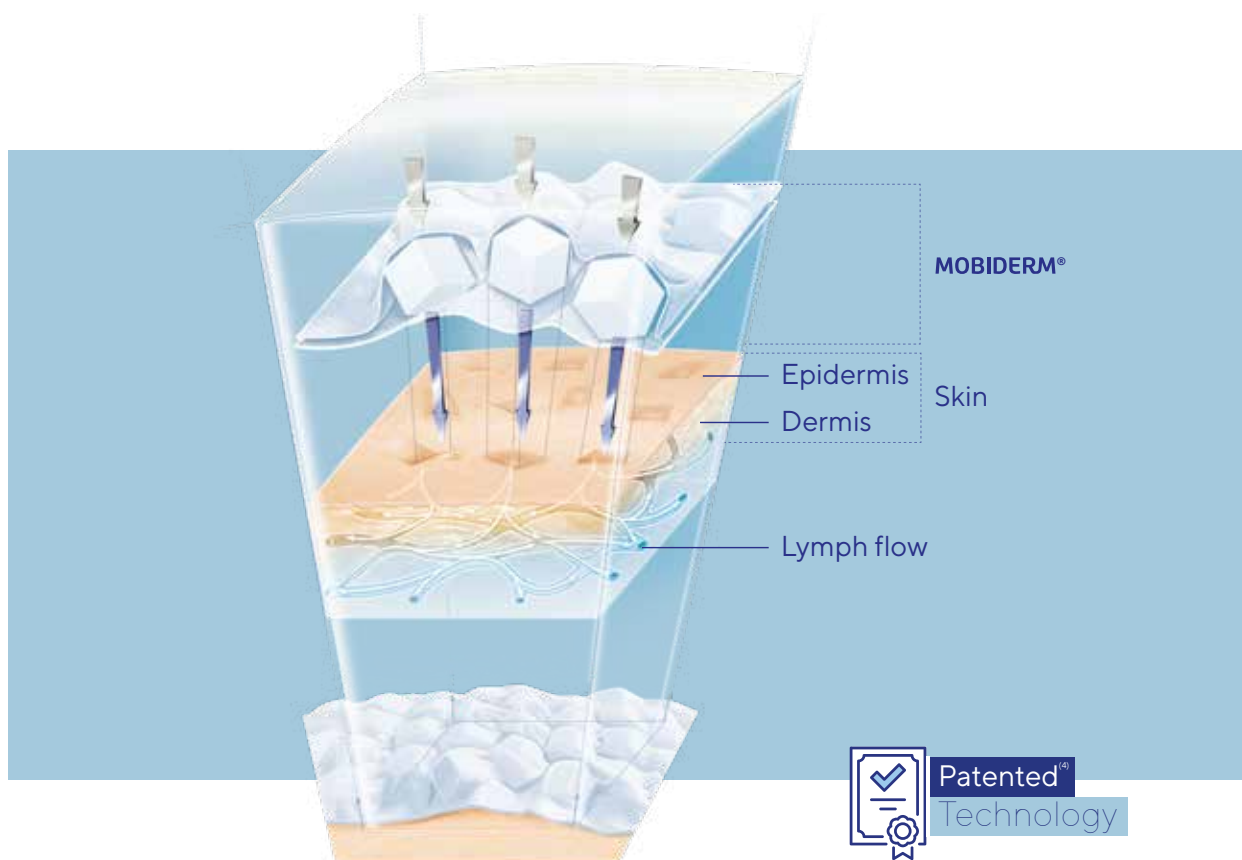




Mechanism of action

The Mobiderm® Autofit garments incorporate **Mobiderm® technology** that is made up of foam blocks encased between two non-woven bandages.

Due to the difference in pressure it creates between the support area of the blocks and their surrounding area, it helps stimulate the flow of lymphatic fluid and optimizes drainage efficacy⁽¹⁾⁽³⁾.



Characteristics

Composition⁽²⁾:

- Outer layer: polyester, polyamide, elastane, silicone (thigh-high and below-knee)
- Inner layer along the leg/arm: adhesive non-woven, polyurethane foam (15 x 15 mm blocks)
- Inner layer foot/hand level: adhesive non-woven, polyethylene foam (5 x 5 mm blocks)
- Sole of the foot (for Thigh-high and Below-Knee) : silicone dots

Color: beige



(1) Todd – Mobiderm® Autofit: an adjustable sleeve that enables patients to self-manage lymphedema – Chronic edema – April 2018 – Page 6

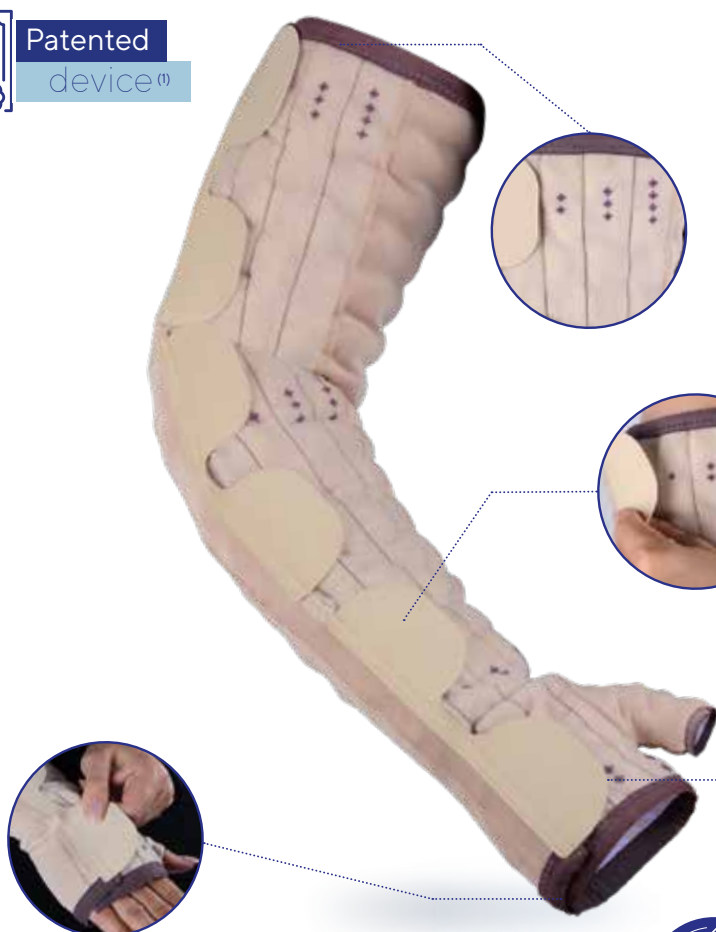
(2) Please refer to the Instructions for Use of the product for the full list of components

(3) Mestre – Interest of an auto-adjustable night-time compression sleeve (Mobiderm® Autofit) in maintenance phase of upper limb lymphedema: the MARILYN pilot RCT – Support Care Cancer (25:2455-2462) – 2017

(4) Patent granted in: Austria, Belgium, Canada, China, Czech Republic, Denmark, Finland, France, Germany, Hungary, India, Italy, Netherlands, Poland, Portugal, Romania, Slovakia, Spain, Sweden, Switzerland, United Kingdom, USA. Information valid as of 01 November 2024 (for 12 months)



Patented
device⁽¹⁾



Several tightening notches

- adaptation to most of patient's individual limb shape
- adjustment marks: precise and repeatable application, control of the edema volume variation

Self-gripping fasteners

- easy and quick set up⁽²⁾



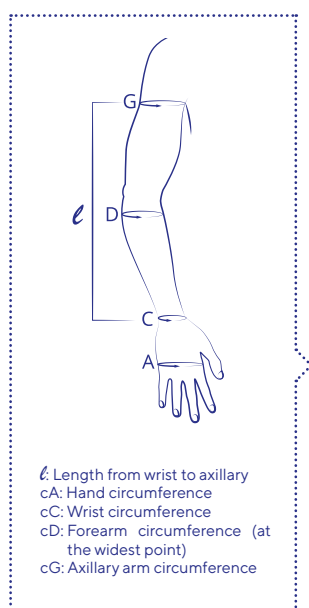
Sleeve with attached retractable mitten

- helps limiting the risk of edema migration
- the hand can be freed for usual tasks



Semi-open garment

- easy to put on, easy to take off⁽²⁾



Sizes

Size	cA (in cm)	cC (in cm)	cD (in cm)	cG (in cm)	Reference normal $\ell = 40 - 45$ cm	Reference long $\ell = 45 - 50$ cm
Right armsleeve						
1	17 - 21	15 - 19	22 - 28	25 - 32	373306 20100261	373306 20100271
2	17 - 21	16 - 20	24 - 30	29 - 36	373306 20200261	373306 20200271
3	18 - 22	17 - 21	26 - 32	33 - 40	373306 20300261	373306 20300271
4	18 - 22	17 - 21	28 - 34	37 - 44	373306 20400261	373306 20400271
5	19 - 23	18 - 22	30 - 36	41 - 48	373306 20500261	373306 20500271
6	20 - 24	19 - 23	31 - 37	45 - 52	373306 20600261	373306 20600271
Left armsleeve						
1	17 - 21	15 - 19	22 - 28	25 - 32	373306 20100262	373306 20100272
2	17 - 21	16 - 20	24 - 30	29 - 36	373306 20200262	373306 20200272
3	18 - 22	17 - 21	26 - 32	33 - 40	373306 20300262	373306 20300272
4	18 - 22	17 - 21	28 - 34	37 - 44	373306 20400262	373306 20400272
5	19 - 23	18 - 22	30 - 36	41 - 48	373306 20500262	373306 20500272
6	20 - 24	19 - 23	31 - 37	45 - 52	373306 20600262	373306 20600272



Lower limb



Patented
device⁽¹⁾



Several tightening notches

- adaptation to most of patient's individual limb shape
- adjustment marks: precise and repeatable application, control of the edema volume variation



Self-gripping fasteners

- easy and quick set up⁽²⁾

Double row of fasteners

- wide adaptation range
- allows right or left leg use



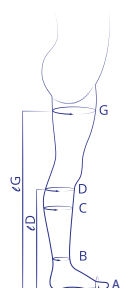
Semi open garment

easy to put on, easy to take off⁽²⁾



Anti-slip sole

- limits slippage when walking



- ℓD: Floor-to-knee height (measurement taken below the bend of the knee, back side)
 ℓG: Floor-to-thigh height (measurement at the gluteal fold)
 cB: Ankle circumference (at the narrowest point)
 cC: Calf circumference (at the widest point)
 cD: Below knee circumference (on the head of the fibula)
 cG: Thigh circumference (at the widest point)

Size	cB (in cm)	cC (in cm)	Below-knee cD (in cm)	Thigh-high cG (in cm)
1	16 - 24	24 - 35	25 - 36	46 - 58
2	20 - 28	32 - 43	32 - 43	52 - 65
3	24 - 32	40 - 51	39 - 50	60 - 72
4	28 - 36	48 - 59	46 - 57	68 - 80

Sizes

Below-knee - Reference (right/left)

Size	Short ℓD = 38 - 40 cm	Normal ℓD = 40 - 42 cm	Long ℓD = 42 - 44 cm	Xtra long ℓD = 44 - 46 cm
1	373405 20100231	373405 20100232	373405 20100233	373405 20100234
2	373405 20200231	373405 20200232	373405 20200233	373405 20200234
3	373405 20300231	373405 20300232	373405 20300233	373405 20300234
4	373405 20400231	373405 20400232	373405 20400233	373405 20400234

Thigh-high - Reference (right/left)

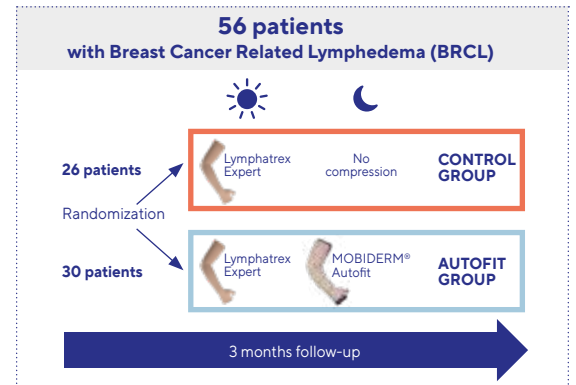
Size	Short ℓG = 67 - 72 cm	Normal ℓG = 72 - 77 cm	Long ℓG = 77 - 82 cm	Xtra long ℓG = 82 - 87 cm
1	373505 20100231	373505 20100232	373505 20100233	373505 20100234
2	373505 20200231	373505 20200232	373505 20200233	373505 20200234
3	373505 20300231	373505 20300232	373505 20300233	373505 20300234
4	373505 20400231	373505 20400232	373505 20400233	373505 20400234

Lymphedema volume decrease and improved quality of life in patients using Mobiderm® Autofit at night.

A multicenter, controlled, randomized, international study¹.

Introduction

Thusane, in collaboration with hospitals, has developed a multi-year approach to understand lymphedema disease and provide solutions adapted to the patient's needs. A first clinical study named POLIT showed that the benefit obtained during the intensive phase of lymphedema treatment was partially lost over a 6-month maintenance phase, with a median excess limb volume increase of 16.5%². A 24 h compression using garments or bandages seems to be crucial for long-term management of Breast Cancer Related Lymphedema (BCRL). A standard auto-adjustable arm-sleeve (MOBIDERM® Autofit) was developed and evaluated in a pilot study named MARILYN as an adjuvant night-time treatment to a daily compressive garment in BCRL patients^{3,4}. To confirm the benefits of using Mobiderm Autofit for night-time compression, a new study with a more robust methodology has been designed: the LYMPHoNIGHT study.



Objective

The aim of this study was to assess the benefit of supplementary night-time compression in addition to daytime compression on upper limb volume excess after 3 months of maintenance treatment in patients with secondary upper limb LO.

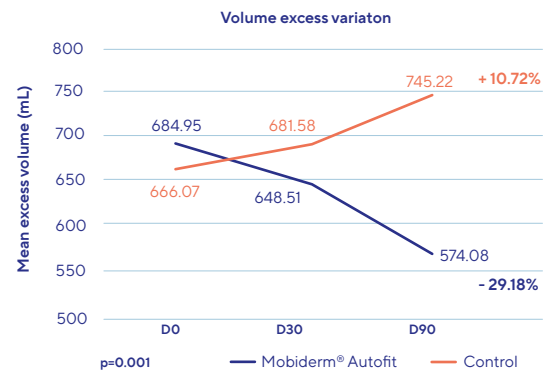
Methodology

56 patients with BCRL were followed and evaluated for 3 months of maintenance phase in 6 centers and 2 countries.

Results

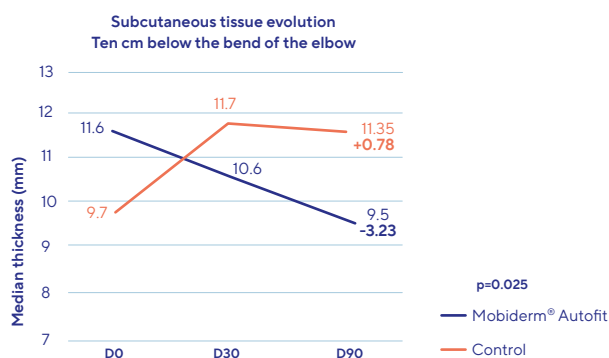
A SIGNIFICANT DECREASE OF LYMPHEDEMA VOLUME

After 3 months of maintenance phase, patients wearing Mobiderm® Autofit at night presented a **significant decrease of lymphedema volume (-29.18%)** as compared to **a volume increase in the control group (+10.72%)** (p=0.001).

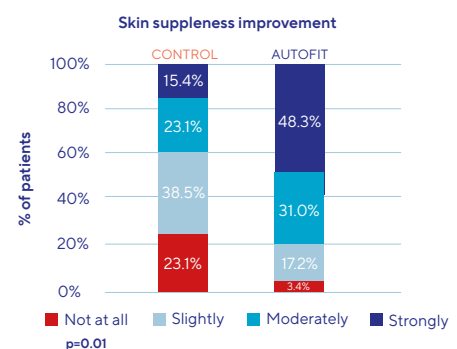


AN IMPROVEMENT IN SKIN SUPPLENESS AND THICKNESS

After 3 months of maintenance phase, patients wearing Mobiderm® Autofit presented a **significant reduction of subcutaneous tissue thickness (-3.23mm)** as compared to **the control group (+0.78mm)** (p=0.025).



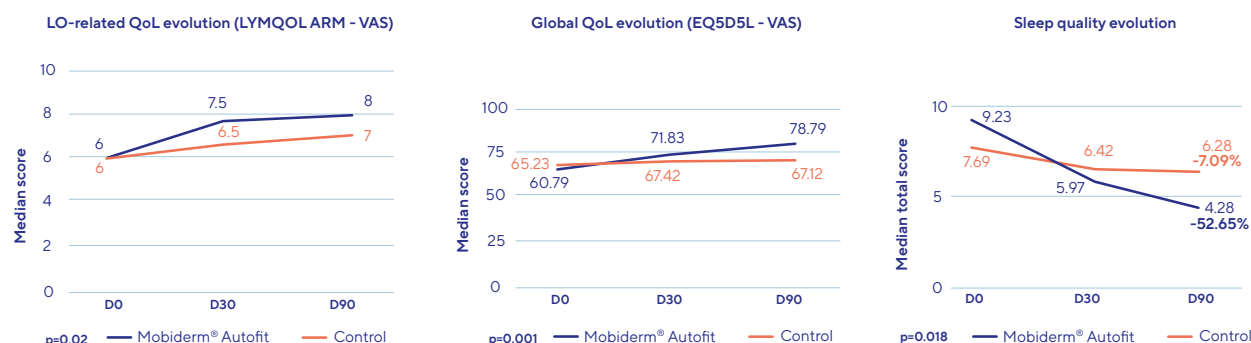
A significantly higher number of patients also reported an improvement in **skin suppleness** in the Mobiderm® Autofit group versus the control group (**strong improvement: 48.3% in the Mobiderm® Autofit group vs 15.4% in the control group**) (p=0.01).



AN IMPROVEMENT IN QUALITY OF LIFE (QOL) AND SLEEP QUALITY

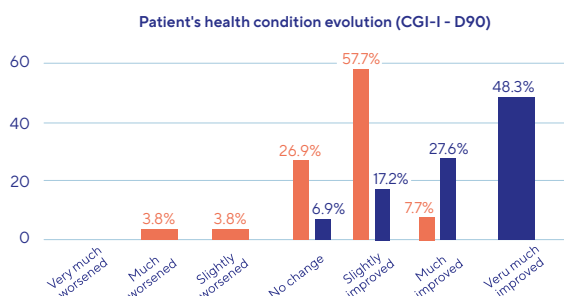
After 3 months of maintenance phase, patients wearing **MOBIDERM® Autofit at night** presented :

- a **significantly higher improvement of overall quality of life** ($p=0.02$ for LYMQOL-Arm lymphedema-related quality of life, $p=0.001$ for EQ5D-3D global quality of life)
- a **significantly higher improvement in sleep quality** (**52.65% vs 7.09%** score reduction in the **control group** ($p=0.018$)).



AN IMPROVEMENT IN PATIENT'S HEALTH CONDITION

After 3 months, **93.1%** of patients from the **MOBIDERM® Autofit group** showed an improvement of their condition according to the clinician versus **65.4%** of patients from the control group (very much improved for **48.3%** vs **0%** of patients from MOBIDERM Autofit and control groups respectively) ($p=0.025$).

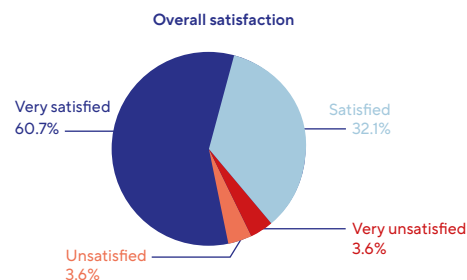


A HIGH COMPLIANCE, TOLERANCE AND SATISFACTION WITH MOBIDERM® AUTOFIT

• **Patient satisfaction** was high, with more than **80%** of patients rating the compressive garment as easy to put on and remove, and **92.8%** expressing overall satisfaction. Almost **90%** of patients found the device comfortable or very comfortable. The mean time to set up the device was fast: **3.2 ± 3.4min**.

• **Patient compliance** with MOBIDERM® Autofit was very high, with more than **95%** of patients wearing the device more than 5 nights per week.

• **Safety:** A **very good tolerance** was observed with MOBIDERM® Autofit with only 1 out of 32 patients presenting a slight redness.



KEY MESSAGES

- This international robust study demonstrates the efficiency of MOBIDERM® Autofit in combination with a daytime Lymphatrex sleeve in the maintenance management of lymphedema patients.
- The use of MOBIDERM® Autofit at night during maintenance phase provides clinical benefits to patients with secondary upper limb lymphedema, with an **additional significant reduction in lymphedema volume, a stronger improvement in quality of life, sleep quality and skin suppleness** as compared to an absence of compression at night.
- The tolerance, compliance and satisfaction with the device was very high.

(1) P. Borman, S. Mestre, B. Duyur Cakit, P. Giordana, B. Atar, E. Vernhet, S. Blaise & I. Quéré. Supplementary night-time compression with a MOBIDERM® auto-adjustable arm-sleeve in addition to daytime compression is superior to daytime compression alone for maintenance therapy of upper limb lymphedema in breast cancer patients: LYMPHONIGHT STUDY. Article under review.

(2) I Quéré, E Presles, M Coupé, S Vignes, L Vaillant, D Eveno, S Laporte, A Leizorovicz & POLIT Study investigators. Prospective multicentre observational study of lymphedema therapy: POLIT study. J Mal Vasc. 2014;39(4):256-63.

(3) S. Mestre, C. Calais, G. Gaillard, M. Nou, M. Pasqualini, C. Ben Amor & I. Quere. Interest of an auto-adjustable nighttime compression sleeve (MOBIDERM® Autofit) in maintenance phase of upper limb lymphedema: the MARILYN pilot RCT. Support Care Cancer. 2017;25(8):2455-2462

(4) S. Mestre, G. Gaillard, M. Benhamou, V. Soulier-Sotto, M. Nou, M. Pasqualini, CB. Amor, & I. Quere. An auto-adjustable night garment to control early rebound effect of edema volume after intensive phase of decongestive lymphedema therapy. Lymphat Res Biol. 2017;15(4):364-370.

MOBIDERM® GARMENTS

Made-to-measure patient & standard garments



MOBIDERM® Standard GARMENTS



Standard products
Faster* availability

For which patients

Mobiderm® Standard garments are recommended for patients presenting:

- Mild to moderate lymphedema
- Regular limb shape
- Stable lymphedema volume

Characteristics

Composition⁽¹⁾:

- Outer layer: polyamide, elastane
- Armsleeve inner layer: adhesive non-woven, polyurethane foam (15 x 15 mm blocks)
- Mitten and glove inner layer: adhesive non-woven, polyethylene foam (5 x 5 mm blocks)

Color: beige



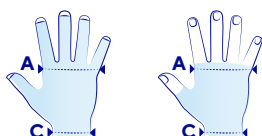
The Mobiderm® Standard garments are available in 3 models: armsleeve, mitten or glove.

Armsleeve

Size	cC (in cm)	cE (in cm)	cG (in cm)	Reference (right / left)	
				Normal ℓ = 40 - 45 cm	Long ℓ = 45 - 50 cm
1	14 - 16	22 - 25	25 - 29	373002 20100232	373002 20100233
1+		24 - 27	28 - 32	373002 40100232	373002 40100233
2	16 - 18	25 - 28	29 - 33	373002 20200232	373002 20200233
2+		27 - 30	31 - 35	373002 40200232	373002 40200233
3	18 - 20	28 - 31	32 - 36	373002 20300232	373002 20300233
3+		30 - 33	35 - 39	373002 40300232	373002 40300233
4	20 - 22	31 - 34	35 - 39	373002 20400232	373002 20400233
4+		33 - 36	38 - 42	373002 40400232	373002 40400233
5	22 - 24	34 - 37	38 - 42	373002 20500232	373002 20500233
5+		36 - 39	41 - 45	373002 40500232	373002 40500233



A: Hand circumference
(head of metacarpal bones)
C: Wrist circumference
E: Elbow circumference
G: Axillary arm circumference



Glove

Size	cC (in cm)	cA (in cm)	Reference	
			right	left
1	14 - 16	15 - 17	373201 20100201	373201 20100202
2	16 - 18	17 - 19	373201 20200201	373201 20200202
3	17 - 19	19 - 21	373201 20300201	373201 20300202
4	19 - 21	21 - 23	373201 20400201	373201 20400202
5	20 - 22	23 - 25	373201 20500201	373201 20500202
6	21 - 23	25 - 27	373201 20600201	373201 20600202

Mitten

Size	cC (en cm)	cA (en cm)	Reference	
			right/left	
1	14 - 16	15 - 17	373101 20100299	
2	16 - 18	17 - 19	373101 20200299	
3	17 - 19	19 - 21	373101 20300299	
4	19 - 21	21 - 23	373101 20400299	
5	20 - 22	23 - 25	373101 20500299	
6	21 - 23	25 - 27	373101 20600299	

*Compared to Made-to-Measure patient devices

(1) Please refer to the Instructions for Use of the product for the full list of components.

Description

The **MOBIDERM® GARMENTS** are designed to mobilize edematous or indurated subcutaneous tissues.

They are intended for the treatment of acute or chronic edema management (e.g lymphedema during the maintenance phase for day at rest and night to maintain the volume reduction.).



MADE-TO-MEASURE PATIENT MOBIDERM® GARMENTS



Order in
France

For which patients

Mobiderm® made-to-measure patient garments are recommended for patients presenting:

- Moderate to severe lymphedema
- Non-regular limb shape
- Out of standard sizes
- Stable lymphedema volume

Characteristics

Composition⁽¹⁾:

- Outer layer: polyamide, elastane
- Inner layer: adhesive non-woven, polyurethane foam (15 x 15 mm blocks) or polyethylene foam (5 x 5 mm blocks)

Color: beige



The **Mobiderm® made-to-measure patient garments** are available in multiple models:

- For upper limb: armsleeve **1**, armsleeve with mitten and without thumb **2** or armsleeve with mitten and thumb **3**
- For lower limb: below-knee **4** or thigh-high **5**



MADE-TO-MEASURE PATIENT DEVICES

Made-to-measure patient devices require the involvement of a trained healthcare professional.

Measurement forms available on www.thuasne.com/en/our-services/measurement-forms



⁽¹⁾ Please refer to the Instructions for Use of the product for the full list of components.

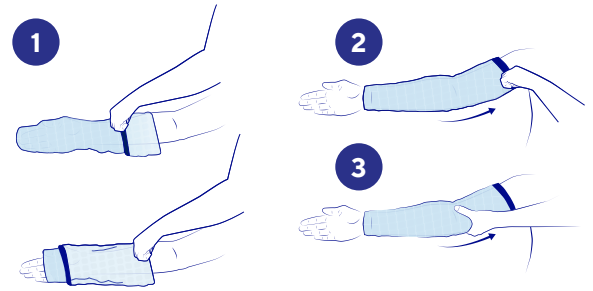


Fitting Instructions

Mobiderm® garments can be worn directly on the skin or with a cotton layer in between in case of sensitive skin.

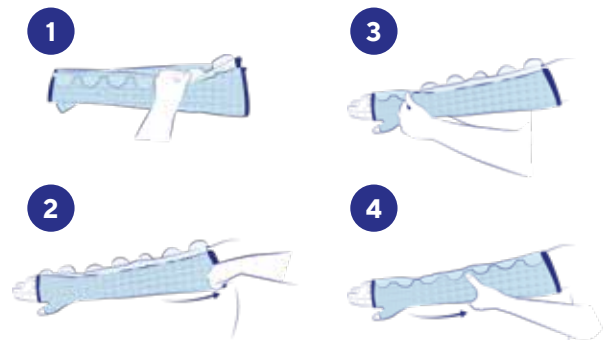
MOBIDERM® MADE-TO-MEASURE PATIENT OR STANDARD

- Turn the garment over onto itself ①
- Slide the garment along the limb to the desired position ②
- Massage the limb to ensure an even distribution of foam blocks ③
- *For Mitten and Glove* - Make sure the foam blocks are positioned on top of the hand
- *For Mitten and Glove* - If combined with an armsleeve, position it over the armsleeve
- *For Mitten* - The garment is bilateral, simply flip it inside



MOBIDERM® AUTOFIT

- Open all hook-and-loop fasteners ①
- Slide the garment along the limb to the desired position ②
- Close the hook-and-loop fasteners by starting with the distal extremity and moving up ③
- Proceed in several steps until you reach the setting recommended by your healthcare professional (+/++/+++ /+++++)
- Massage the limb to ensure an even distribution of foam blocks ④



Care Instructions

It is recommended to wash your Mobiderm® garment daily (or after each use).

All Mobiderm® garments

- Machine wash at wool cycle or cold temperature.
- Use a washing product without softener. Do not use detergents, fabric softeners or aggressive products (products containing chlorine).
- Place the garment in a wash bag to make sure other garments (particularly those with touch fasteners or zips) do not damage it.
- Dry well away from any direct heat source (radiator, sun, etc.).
- Do not tumble-dry.
- Do not iron.



MOBIDERM® autofit

When not used, the garment should be kept flat, with the self-gripping fasteners closed. If it must be folded, position the hooks pointing outward.



Discover all available video tutorials presenting Mobiderm® Autofit fitting instructions on our **Thuasne® YouTube channel!**



SCAR TREATMENT & MAJOR BURNS

Burns are a pathology characterized by a very wide spectrum of potential severity.

There is a large difference between a superficial burn of a few square centimeters (which heals without sequelae within a few days) and a deep burn covering most of the skin, which is both life-threatening and compromising to the patient's functions.⁽¹⁾

In 2004, approximately 11 million people suffered a burn requiring medical attention globally (Shpichka et al. 2019) (Moïemen et al. 2018)⁽¹⁾

The decision to treat in a specialized unit depends on the type of burns and their location, the depth of the lesions and the surface area burnt on the body⁽²⁾.

The treatment of scars with compression

With a second degree deep burn, the patient is confronted to a major risk of having a hypertrophic scar possibly escalating into a keloid⁽²⁾.

Wearing compression garments reduces⁽²⁾:

- Blood flow (reduced venous stasis and hypervascularisation)⁽³⁾
- Fibroblast proliferation
- Collagen synthesis
- The risk of local inflammation (prurit, edema...)



Chronic Edemas treatment

Lymphedema Treatment:
the reduction phase

Lymphedema Treatment:
the maintenance phase

Scar Treatments
& Major Burns

Measurement Forms

(1) Refer to the CE marking data

(2) Rochet - Rééducation et réadaptation de l'adulte brûlé - Encyclopédie Médico Chirurgicale (26-280-C-10) - 1998 - Page 1 & 5 (Rehabilitation of the burned adult - Encyclopedia Medico Surgical)

(3) Wienert, V. (2003). Compression treatment after burns. Current problems in dermatology, 31, 108-13. <https://doi.org/10.1159/000072241>.

CICATREX

Compression garments

Description

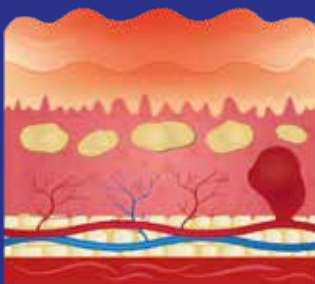
Cicatrex garments offer:

- A large range of fabrics meeting most of patients' needs.
- A precise fabrication process thanks to digitalization of measurement methods for making the garments.
- Training methods adapted to the prescription and to taking the patient's measurements.

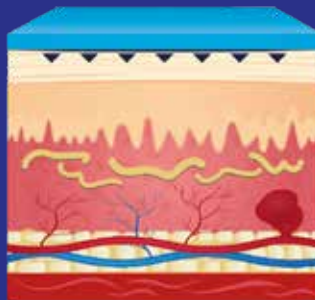
Mechanism of action⁽¹⁾

The Cicatrex compression principle contributes to a reorganization of collagen fibers in a plane parallel to the skin, thus limiting uncontrolled scarring of the conjunctive tissue.

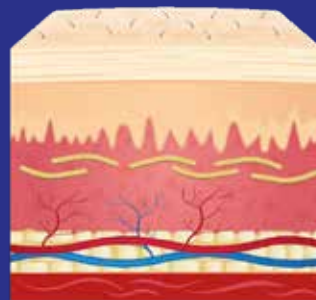
Inesthetic scars and dysfunctional adhesions are reduced by compression.⁽¹⁾



• Hypertrophic scar before treatment⁽²⁾



- Effect of compression during treatment⁽²⁾
- Reduction of hypervascularization⁽²⁾
- Reorganisation of fibroblasts⁽²⁾



• Flatter scar after treatment⁽²⁾



COMPRESSION GARMENT USAGE

It is during the scar maturation phase (which lasts approximately 18 months) that the effectiveness of compression garments like Cicatrex will be the most adapted.

For effective treatment, Cicatrex compression garments should be used as soon as healing permits.

For which patients

Cicatrex compression garments are a treatment method in the management of major burns and help limiting recourse to reconstructive surgery.

However, the benefits are not restricted to burn healing, they can also be used in the treatment of other conditions such as lymphology or Ehlers-Danlos syndrome*.

Burns⁽¹⁾

- Prevention and treatment of hypertrophic scars, keloids and scar retractions.
- Treatment of thermal, chemical or electrical burns.
- Compression of skin graft zones.

Lymphology⁽²⁾

- Pubian, genital lymphedema.
- Primary lymphedema in children.
- Maintenance of lymphedema volume reduction.

Lipedema pain⁽³⁾

Plastic and reconstructive surgery

- Prevention of hypertrophic scars.⁽¹⁾
- Post-operative treatment of scars of traumatic origin and surgical wounds.
- Post skin graft

Ehlers-Danlos syndrome*⁽⁴⁾

- Improved proprioception thanks to compression of the limbs.
- Pain alteration.
- Compression from 6 to 13.5 mmHg.

Prevention of chemotherapy-induced peripheral neuropathy of the extremities, induced by chemotherapy

(Only for hand gloves and socks).



(1) Monstrey S, et al. - Updated Scar Management Practical Guidelines: Noninvasive and invasive measures - Journal of Plastic, Reconstructive & Aesthetic Surgery - 2014

(2) HAS Report - Medical compression in lymphedema therapy - 2010

(3) S2k Leitlinie der Deutschen Gesellschaft für Phlebologie und Lymphologie e.V.

(4) HAS Report - Compressive garments in the treatment of Ehlers-Danlos syndrome - Jan 2010 - Page 4

* Applicable only to models dedicated to the syndrome

Fabrics

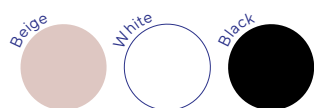
Available from
Thuasne® France only

CICATREX FINE*



Cicatrex Fine compression garments are made of extra-fine, high-tech fibers. The fineness of the Cicatrex Fine fabric⁽²⁾ makes it easier to fit garments to fingers and toes.

Made-to-measure

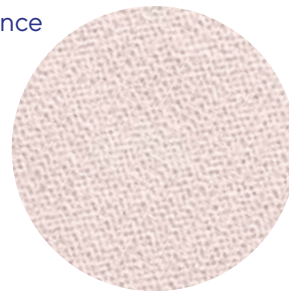


Standard



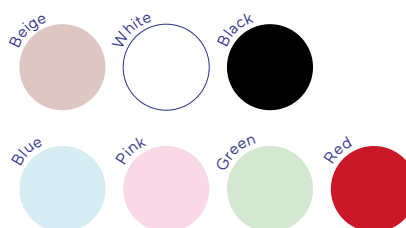
Available from Thuasne® France
and Thuasne® Germany

CICATREX NATURE

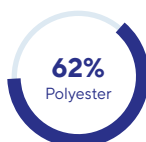
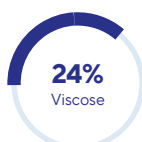
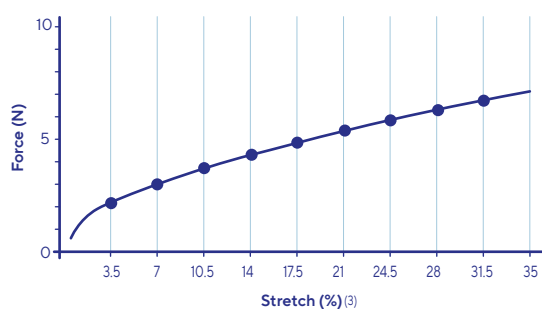
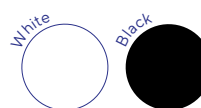


Cicatrex Nature compression garments contain a high proportion of viscose. Made from natural raw materials (wood), this fiber is soft on the skin, permeable and breathable, making garments comfortable to wear.⁽¹⁾

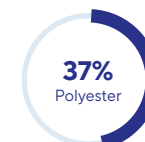
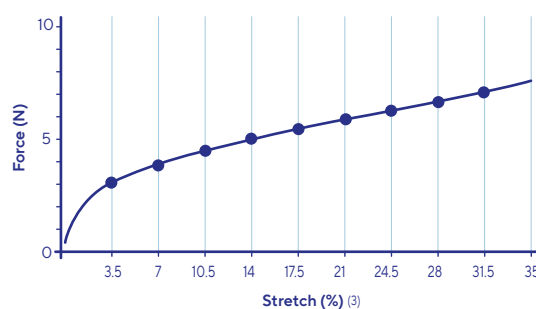
Made-to-measure



Standard



- Soft and fine.⁽²⁾
- Wicking of perspiration.⁽²⁾
- Fast-drying.⁽²⁾



- Good wear resistance, achieved thanks to the presence of viscose from natural fibers⁽¹⁾.
- Good conformability, adapts to the patient's shape and movements.
- Broad range of colors.

* Cicatrex Filifine becomes Cicatrex Fine, but the product does not change

(1) Viscose - L'atelier du papetier - Les fibres textiles - 2020

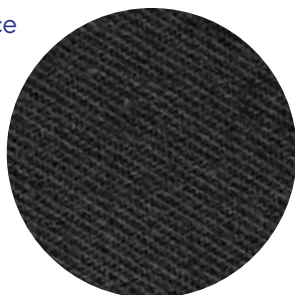
(2) ETN 274 - Dossier Textile Elasthane - July Aug 2016 - Page 1

(3) Physical and mechanical testing of textiles - X Wang, X Liu, C Hurren (2008), pp. 90-124, Fabric testing

(4) ETN 280 - Dossier Textile Polyamide - July Aug 2017 - Page 1

Available from Thuasne® France
and Thuasne® Germany

CICATREX SKIN

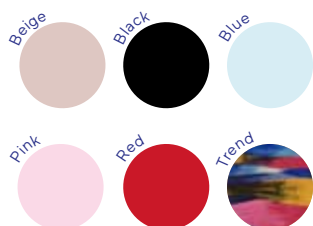


The quality of Cicatrex Skin stands out thanks to its fine, smooth, light knit.

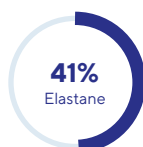
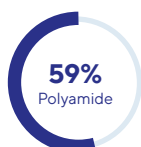
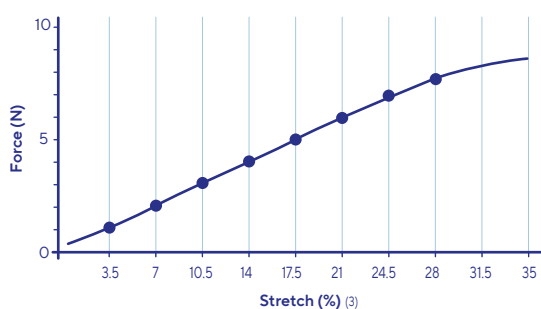
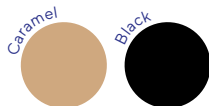
The composition of Cicatrex Skin compression garments makes them both aesthetically pleasing and easy to care for⁽⁴⁾.

For EDS, only the glove, foot glove and ankle support models are available.

Made-to-measure



Standard



- **Esthetic, silky appearance⁽⁴⁾.**
- **Fast-drying⁽⁴⁾.**
- **Easy to put on⁽⁴⁾.**
- **Broad range of colors.**



Lymphedema Treatment:
the reduction phase

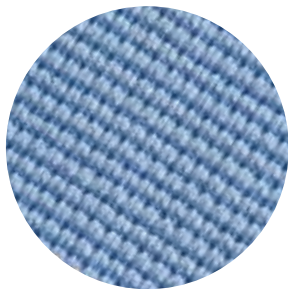
Lymphedema Treatment:
the maintenance phase

**Scar Treatments
& Major Burns**

Measurement Forms

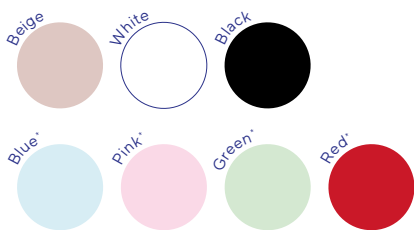
Available from
Thuasne® Germany only

CICATREX RIGID



Cicatrex Rigid is a flat-knit fabric that is resistant to wear thanks to its composition. Consequently, it is particularly suitable for children or very active people.

Colors



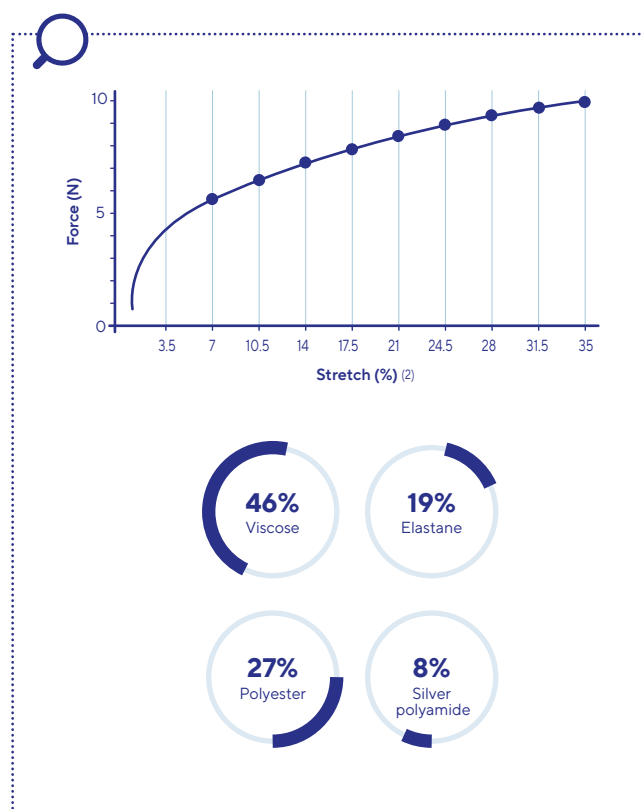
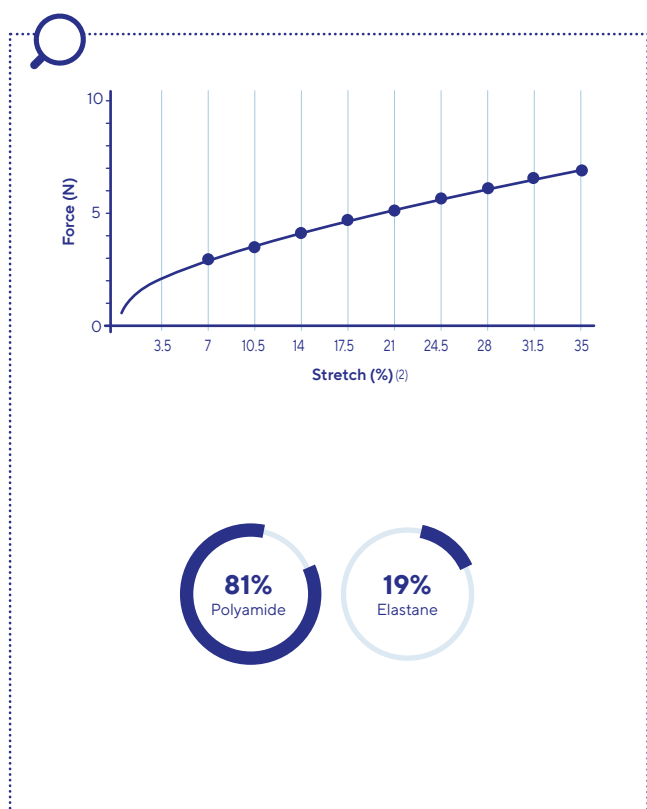
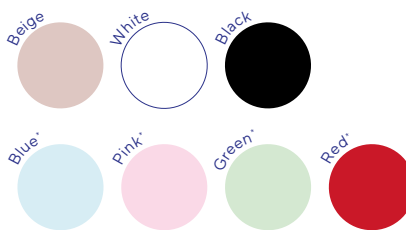
Available from
Thuasne® Germany only

CICATREX SILVER



Cicatrex Silver is a flat-knit fabric incorporating a silver yarn. Silver naturally eliminates bacteria from the skin and protects against infections.⁽¹⁾

Colors



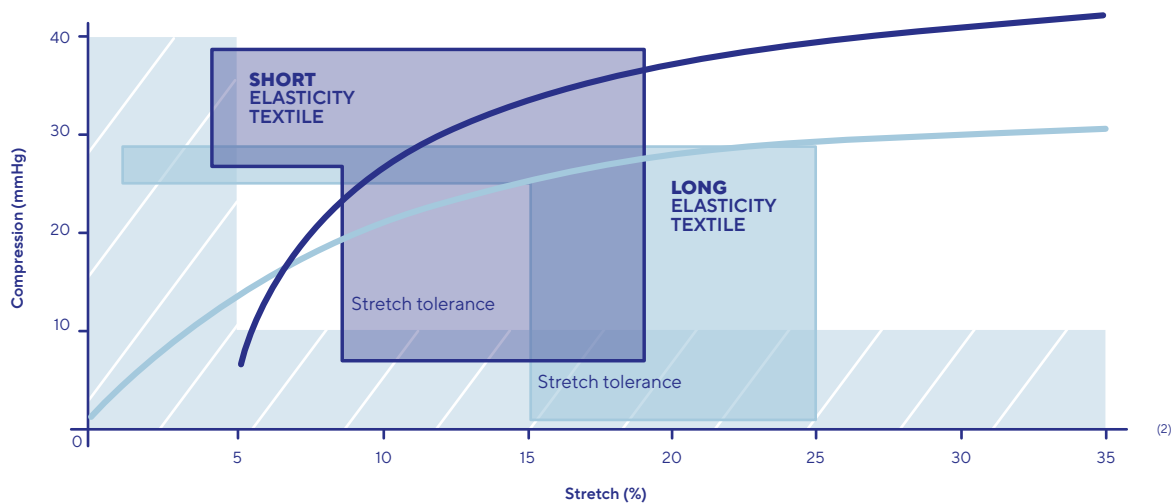
The breadth of the Cicatrex range ensures it meets the different needs of patients and the requirements of healthcare professional. Whether the aim is to produce a fine, esthetic compression garment or a stretchy garment that is easy to put on⁽¹⁾, whether hard-wearing properties are a priority or a specific color is sought, it is possible to adapt the compression garment to meet patients' requirements without compromising the treatment.



CICATREX GARMENTS ARE MADE OF LONG STRETCH ELASTIC FABRICS.

This high stretch capacity makes the garments easy to put on and remove.

In addition, it helps freedom of movement and offers a good level of adaptation to variations in circumferences.



(1) End user survey

CICATREX Standard

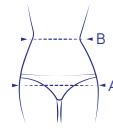
Compression garments

LOWER LIMB MEASUREMENT TABLE

(panty girdle, panty, capri pants, trousers)

The measurement line for the pelvis circumference (A) must be located 3 or 4 cm above the pubic crest at the front and at the level of the upper median of the buttocks at the back.

Size	Pelvis circumference (A)	Waist circumference (B)
1	88 - 94 cm	62 - 72 cm
2	95 - 101 cm	67 - 79 cm
3	102 - 108 cm	73 - 85 cm
4	109 - 115 cm	80 - 93 cm
5	116 - 122 cm	90 - 104 cm
6	123 - 129 cm	97 - 113 cm



PANTY GIRDLE - Cicatrex Nature

Size	Reference White	
1	341501 20100099	
2	341501 20200099	
3	341501 20300099	
4	341501 20400099	
5	341501 20500099	
6	341501 20600099	



PANTY - Cicatrex Nature

Size	Reference White to exhaustion	Reference Black
1	340301 20100099	340301 20100399
2	340301 20200099	340301 20200399
3	340301 20300099	340301 20300399
4	340301 20400099	340301 20400399
5	340301 20500099	340301 20500399
6	340301 20600099	340301 20600399



CAPRI PANTS - Cicatrex Nature

Size	Reference White to exhaustion	Reference Black
1	341201 20100099	341201 20100399
2	341201 20200099	341201 20200399
3	341201 20300099	341201 20300399
4	341201 20400099	341201 20400399
5	341201 20500099	341201 20500399
6	341201 20600099	341201 20600399



TROUSERS - Cicatrex Nature

Size	Reference White to exhaustion	Reference Black to exhaustion
1	342001 20100099	342001 20100399
2	342001 20200099	342001 20200399
3	342001 20300099	342001 20300399
4	342001 20400099	342001 20400399
5	342001 20500099	342001 20500399
6	342001 20600099	342001 20600399



HOOD - Cicatrex Nature

Size	Head circumference (A)	Reference White
0	51 - 52 cm	340201 20000099
1	53 - 55 cm	340201 20100099
2	56 - 57 cm	340201 20200099
3	58 - 59 cm	340201 20300099



PARTIAL HOOD - Cicatrex Nature

Size	Neck circumference (B)	Reference White
1	27 - 30 cm	341001 20100099
2	31 - 36 cm	341001 20200099
3	37 - 45 cm	341001 20300099



OPEN HOOD - Cicatrex Nature

Size	Head circumference (A)	Reference White
0	51 - 52 cm	341601 20000099
1	53 - 55 cm	341601 20100099
2	56 - 57 cm	341601 20200099
3	58 - 59 cm	341601 20300099



EAR BAND - Cicatrex Nature

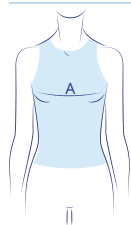
Size	Head circumference (A)	Reference White
1	40 - 52 cm	341109 1100
2	52 - 64 cm	341109 1200






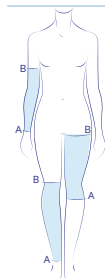
Standard products
Faster* availability


SLEEVELESS VEST - Cicatrex Nature



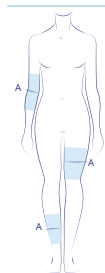
Size	Chest circumference (A)	Reference White 
1	74 - 82 cm	342401 20100099
2	83 - 91 cm	342401 20200099
3	92 - 98 cm	342401 20300099
4	99 - 115 cm	342401 20400099
5	116 - 120 cm	342401 20500099
6	121 - 135 cm	342401 20600099


LONG SLEEVE - Cicatrex Nature



Size	Distal circumference (A)	Proximal circumference (B)	Height (AB)	Reference White 
1	9 - 11 cm	19 - 23 cm	35 cm	342501 20100099
2	11 - 14 cm	23 - 28 cm		342501 20200099
3	14 - 16 cm	28 - 32 cm		342501 20300099
4	16 - 20 cm	32 - 37 cm		342501 20400099
5	20 - 25 cm	37 - 42 cm	45 cm	342501 20500099
6	25 - 30 cm	42 - 48 cm		342501 20600099
7	30 - 40 cm	48 - 58 cm		342501 20700099
8	40 - 50 cm	58 - 67 cm		342501 20800099

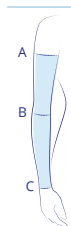
SLEEVE - Cicatrex Nature




Size	Medial circumference (A) ⁽²⁾	Height	Reference White 
1	12 - 14 cm	20 cm	340001 20100099
2	15 - 17 cm		340001 20200099
3	18 - 22 cm		340001 20300099
4	23 - 29 cm		340001 20400099
5	30 - 37 cm	26 cm	340001 20500099
6	38 - 45 cm		340001 20600099
7	46 - 54 cm		340001 20700099
8	55 - 63 cm		340001 20800099

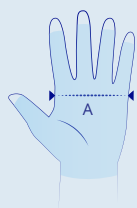
(2) Measurement taken at the middle of the conical sleeve.

SLEEVE FOR LYMPHEDEMA - Cicatrex Skin



Size	Distal circumference (A)	Medial circumference (B)	Proximal circumference (C)	Height (AC)	Reference Caramel 
1	13 - 15 cm	20 - 25 cm	22 - 28 cm	39 cm	344902 20100299
2	15 - 17 cm	23 - 28 cm	25 - 31 cm	39 cm	344902 20200299
3	17 - 19 cm	26 - 31 cm	29 - 35 cm	39 cm	344902 20300299
4	19 - 21 cm	29 - 34 cm	33 - 39 cm	39 cm	344902 20400299
5	21 - 23 cm	32 - 37 cm	37 - 43 cm	39 cm	344902 20500299
6	23 - 26 cm	35 - 41 cm	41 - 48 cm	39 cm	344902 20600299

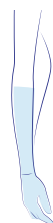
SKIN LADDER-PROOF GLOVE MEASUREMENT TABLE



Size	Hand circumference (A)
1	13 - 14.5 cm
2	15 - 16.5 cm
3	17 - 18.5 cm
4	19 - 20.5 cm
5	21 - 22.5 cm
6	23 - 24.5 cm
7	25 - 26.5 cm
8	27 - 28.5 cm

SKIN LADDER-PROOF GLOVE - Cicatrex Skin

Closed-finger long sleevelet (elbow)



Size	Reference Black	Reference Caramel
1	344805 20100399	344805 20100299
2	344805 20200399	344805 20200299
3	344805 20300399	344805 20300299
4	344805 20400399	344805 20400299
5	344805 20500399	344805 20500299
6	344805 20600399	344805 20600299
7	344805 20700399	344805 20700299
8	344805 20800399	344805 20800299

SKIN LADDER-PROOF GLOVE - Cicatrex Skin

Closed-finger short sleevelet (wrist)



Size	Reference Black	Reference Caramel
1	344806 20100399	344806 20100299
2	344806 20200399	344806 20200299
3	344806 20300399	344806 20300299
4	344806 20400399	344806 20400299
5	344806 20500399	344806 20500299
6	344806 20600399	344806 20600299
7	344806 20700399	344806 20700299
8	344806 20800399	344806 20800299

SKIN LADDER-PROOF GLOVE - Cicatrex Skin

Open-finger short sleevelet (wrist)



Size	Reference Black	Reference Caramel
1	344807 20100399	344807 20100299
2	344807 20200399	344807 20200299
3	344807 20300399	344807 20300299
4	344807 20400399	344807 20400299
5	344807 20500399	344807 20500299
6	344807 20600399	344807 20600299
7	344807 20700399	344807 20700299
8	344807 20800399	344807 20800299

MICROFIBER GLOVE - Cicatrex Fine

Open fingers



Size	Hand circumference (A)	Reference White	Reference Beige
1	13 - 14.5 cm	344701 20100099	344701 20100299
2	15 - 16.5 cm	344701 20200099	344701 20200299
3	16.5 - 18 cm	344701 20300099	344701 20300299
4	18.5 - 20 cm	344701 20400099	344701 20400299
5	20.5 - 22 cm	344701 20500099	344701 20500299
6	22.5 - 24 cm	344701 20600099	344701 20600299

FINGER SEPARATOR

51% Polyester/45% Polyamide/4% Elastane



Size	Height (A) ⁽¹⁾	Reference White
1	< 9 cm	341309 1100
2	> 9 cm	341309 1200

(1) Measurement taken from wrist fold to middle finger base

FINGER PROTECTOR

Cicatrex Skin



Size	Finger circumference (A) ⁽²⁾	Height	Reference Caramel
1	25 - 27 mm	100 - 110 mm	344601 20100299
2	29 - 31 mm		344601 20200299

(2) Measurement taken at the base of the finger

OPEN FOOT GLOVE - Cicatrex Skin



Size	Circumference (A) ⁽³⁾	Reference Black	Reference Caramel
1	21 - 22 cm	340603 20100399	340603 20100299
2	23 - 24 cm	340603 20200399	340603 20200299
3	25 - 26 cm	340603 20300399	340603 20300299
4	27 - 28 cm	340603 20400399	340603 20400299

(3) Measurement taken at the head of the metatarsal bones.



ADVICE

Some models are also available in the made-to-measure patient range.

Fitting instructions

- Stretch the elastic fabric as much as possible so that fragile skin is not irritated while the garment is being pulled on.
- Help the fabric to fit all the contours of the covered body parts evenly, and to be properly positioned without getting in the way of clothing and without being too tight.
- Pull up sleeves if they are too long.
- Make sure there is freedom of movement at the elbow and shoulder area.

Care instructions

- Always wash Cicatrex by hand, as often as you want, using soap or a product designed for delicate fabrics. Do not add bleach or stain-remover. Rinse thoroughly and squeeze out excess water without twisting.
- Dry flat away from any direct heat (do not dry on a radiator, for example).
- Do not iron.



ADVISE 2 CICATREX GARMENTS

If possible, advise two Cicatrex garments of the same form available so that the patient can continue to wear one when the other is being washed.



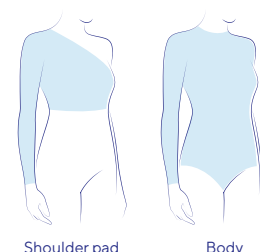


CICATREX Made-to-measure patient

Compression garments

Torso

Models	Vest Body Shoulder pad
Fabrics	Cicatrex Nature Cicatrex Fine Cicatrex AirSkin
Collars	V-neck Round neck Stand-up collar
Openings	Zipper Hooks to help fasten the vest Compression pad Crotch strap
Other options	Cup with or without compression Armpit with or without compression Belt Additional openings (zipper, self gripping fasteners) self gripping fasteners to attach to panty Soft fabric lining



Shoulder pad

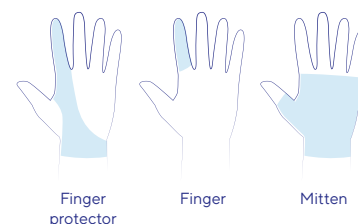
Body



Vest

Hand

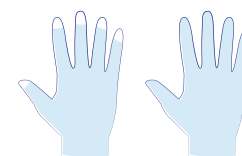
Models	Mitten (<i>length on wrist 5 cm max</i>) Glove (<i>length on wrist 5 cm max</i>) Finger protector
Fabrics	Cicatrex Fine Cicatrex AirSkin
Proximal end options	With sleeve (<i>beyond 5 cm and up to the armpit with length on wrist 5 cm max</i>): • attached • separate
Openings	Zipper/self gripping fasteners: • palm of hand • back of hand • little finger side
Finger protector options	With strap Without strap
Other options	Compression pad: • palm of hand • back of hand • fixed • removable Palm support



Finger protector

Finger

Mitten

Glove
open fingers

Glove

Arm

Model	Armsleeve
Fabrics	Cicatrex Nature Cicatrex Fine Cicatrex AirSkin
Fasteners	Without anti-slip Elastic plain braid Anti-slip with silicone dots 3 cm Silicone anti-slip for men 5 cm Silicone anti-slip for women 5 cm Shoulder cover Shoulder attachment
Openings	Zipper/self gripping fasteners • join side • back of hand side • palm of hand side
Other option	Compression pad



Armsleeve

Head

Models	Chin band Hood
Fabrics	Cicatrex Nature Cicatrex AirSkin
Face	Uncovered Covered
Ridge of nose	Uncovered Covered
Ears	Uncovered Covered
Other option	Compression pad



Hood



Chin band

Leg

Models	Sock Panty Leg only Half-tight
Fabrics	Cicatrex Nature Cicatrex Fine Cicatrex AirSkin
Stomach openings	Zipper/self gripping fasteners: • front/back • right/left
Crotches	Open with or without hygiene tab Closed with or without gusset Kangaroo pouch
Leg openings	Zipper/self gripping fasteners: • front/back • inner/outer
Fasteners	Belt Braces Without anti-slip Elastic plain braid 3 cm Anti-slip with silicone dots 3 cm Silicone anti-slip for men 5 cm Silicone anti-slip for women 5 cm Vest over panty self gripping fasteners Panty over vest self gripping fasteners
Foot	Attached/separated Open/closed toe
Other options	Compression pad Soft fabric lining (knee/heel)



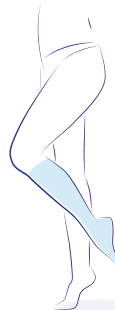
Panty



Half-tight



Leg only



Sock

Foot/toe cap

Model	Foot glove
Fabrics	Cicatrex Fine Cicatrex AirSkin
Toes options	Open Closed
Other option	Compression pad



Toe cap



Foot glove



MADE-TO-MEASURE PATIENT DEVICES

Made-to-measure patient devices require the involvement of a trained healthcare professional.

Measurement forms available on www.thuasne.com/en/our-services/measurement-forms

For Cicatrex made in Germany, measurement forms available on demand: export.m2m@thuasne.de



CICATREX

Made-to-measure patient

Compression garments

Zoom on some options



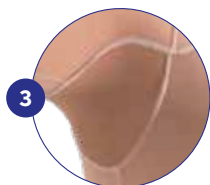
1 Fastenings

- Make it easier to put on and take off the garment, particularly for immobile patients.
- Their position is customized depending on the shape of the garment.



2 Compression pad

- Used to locally increase the pressure exerted on the skin.
- Sewn into the garment or removable.



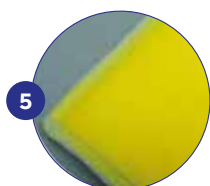
3 Non-compressive fabric

- For more comfort, zones of non-compressive fabric are added at the armpits, chest but also between fingers if treatment does not require any compression at these regions.



4 Seams

- The flat seams are on the outside, to limit irritation of sensitive skin.



5 Memory foam

- Compresses inequalities and distributes pressure.
- Located into a pocket



6 Finger separators

- Reinforced compression between the fingers.
- Suitable for use with a glove.



7 Silicon-tex and sewn-in silicone sheets

- Soften scar tissue



8 Iron-on patches⁽¹⁾

- To customize your garment.
- Full list of iron-on patches available on request.





CICATREX Contour

Medical compression garments

Cicatrex Contour is a range for scar-compression textiles that are used to improve scar/wound healing until the scar has completely healed. The high-quality products are used to stabilize surgical results, for the medical treatment of lymphedema and for lipedema pain.

Properties

Cicatrex contour compression garments combine efficient medical care and high wearing comfort. The material's high elasticity provides for ease of putting the material on or taking it off, and it also ensures great freedom of movement. Cicatrex contour compression garments are:

- hypoallergenic,
- prevent inflammations in the tissue, relieve itching and
- provide comprehensive protection for the fresh scar

Main Indications

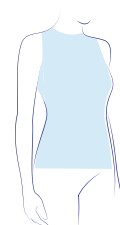
Damage of the skin and the skin's healing function with hypertrophic scarring or keloid formation.

- Following injuries/burns/surgical interventions
- Skin grafts
- For improvement of scar/wound healing until complete healing of the scar
- For the stabilization of surgical results
- Medical care of acute, chronic and lymphedemas
- Lipedema pain



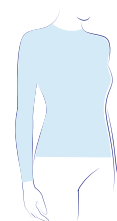
Waistcoat

Size	Breast circumference	Reference
XS	76 - 86	34860100200399
S	86 - 94	34860100300399
M	94 - 102	34860100400399
L	102 - 110	34860100500399
XL	110 - 118	34860100600399
XXL	118 - 128	34860100700399



Jacket

Size	Upper arm	Breast	Under breast	Reference
XS	26.5 - 27.5	83 - 87	69 - 73	34870100200399
S	27.5 - 28.5	87 - 91	73 - 77	34870100300399
M	28.5 - 30.5	91 - 97	77 - 83	34870100400399
L	30.5 - 32.5	97 - 101	83 - 87	34870100500399
XL	32.5 - 35.5	101 - 107	97 - 93	34870100600399
XXL	35.5 - 38.5	107 - 115	93 - 101	34870100700399
XXXL	38.5 - 43.5	115 - 123	101 - 109	34870100800399



Panty / Leggings / Leggings high

Size	Circumferential measurements			Reference		
	Waist	Buttock	Thighs	Panty	Leggings	Leggings high
XS	61 - 66 cm	86 - 91 cm	48 - 51 cm	34810100200399	34820100200399	34830100200399
S	66 - 71 cm	91 - 97 cm	51 - 54 cm	34810100300399	34820100300399	34830100300399
M	71 - 76 cm	97 - 102 cm	54 - 57 cm	34810100400399	34820100400399	34830100400399
L	76 - 81 cm	102 - 107 cm	57 - 60 cm	34810100500399	34820100500399	34830100500399
XL	81 - 89 cm	107 - 114 cm	60 - 65 cm	34810100600399	34820100600399	34830100600399
XXL	89 - 99 cm	114 - 124 cm	65 - 70 cm	34810100700399	34820100700399	34830100700399
XXXL	99 - 109 cm	124 - 135 cm	70 - 77 cm	34810100800399	34820100800399	34830100800399
XXXXL	109 - 119 cm	135 - 145 cm	77 - 86 cm	34810100900399	34820100900399	34830100900399

CICATREX Contour

Cicatrex contour is a standard compression textile available for lower extremities as:

- Leggings with a high waist
- Leggings with a low waist
- Panty girdle with a high waist

Available for the upper body part as:

- Jacket for Women
- Waistcoat/vest for men

Cicatrex Contour products provide main benefits like:

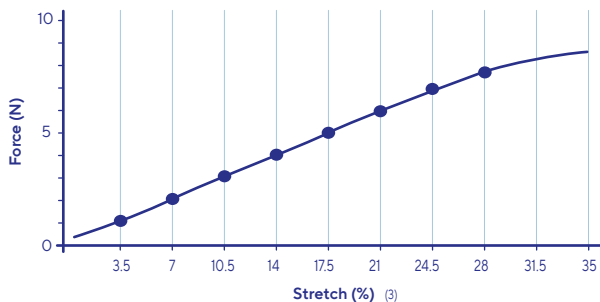
- Natural degression of compression according to anatomical body form
- Higher compression in distal area to avoid dislocation without of fluids distally acc. RAL standard
- Super thin fabric in weftloc-quality lengthwise and crosswise elastic
- Soft elastic band at the hem
- Smooth surface for easy donning and a natural fall of clothing
- Optically neutral material in color black can be combined with everyday clothing

CICATREX GARMENTS ARE MADE OF LONG STRETCH ELASTIC FABRICS

This high stretch capacity makes the garments easy to put on and remove.

In addition, it helps freedom of movement and offers a good level of adaption to variations in circumferences.

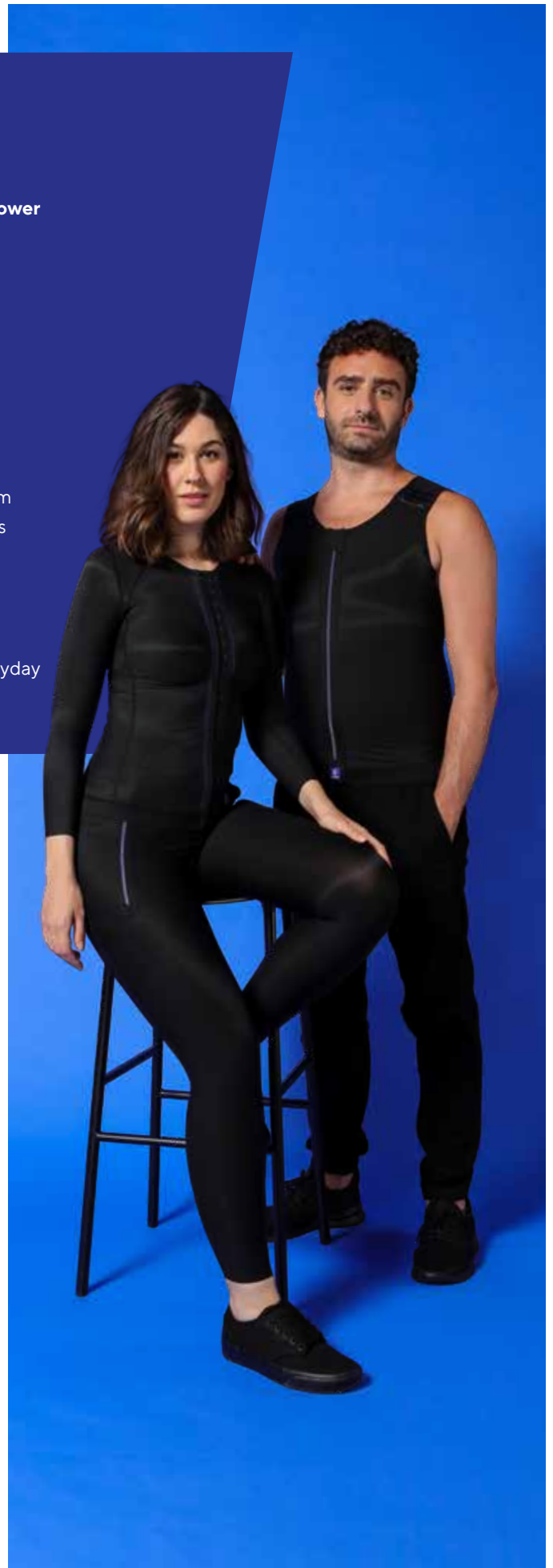
CICATREX SKIN



59%
Polyamide

41%
Elastane

- Esthetic, silky appearance⁽⁴⁾.
- Fast-drying⁽⁴⁾.
- Easy to put on⁽⁴⁾.



HIGH WEARING COMFORT THANKS TO SPECIAL FEATURES ON THE PRODUCTS

Jacket (for women)

- Molded cups (seamless)
- 3-ways adjustable in width with front hook- and eyelets
- Cut-resistant fabric, sleeve can be shortened
- Size range: XS – 3XL



Waistcoat/ vest (for men)

- Zipper with hook-/eyelet underneath for easy donning and doffing
- Zipper edges are covered
- 3-way adjustable shoulder length through soft hook/eyes
- XS – XXL



Leggings with high or low waist

- Choice of high or low waist depends on surgery (thigh, stomach, etc.)
- Zippers with hook- and eyelets on both sides for easy donning and doffing
- Open crotch - facilitates wearing "around the clock"
- Sizes: XS – 4XL



Extra padding for open crotch to prevent chaffing of sensitive skin

Panty

- High waist form with a soft band at the edges
- Zipper with hook- and eyelets on one side for easy closure
- Hook- and eye-closure in crotch 3-ways adjustable
- Sizes: XS – 4XL



Made-to-measure patient by Thuasne® in few figures



85 persons

dedicated to give you
and your patients satisfaction

Fast delivery time with



98%

of orders shipped
within 3 days⁽¹⁾



About

100,000

products made every year



All measurement forms
available from
www.thuasne.com



**CAMMK
technology**

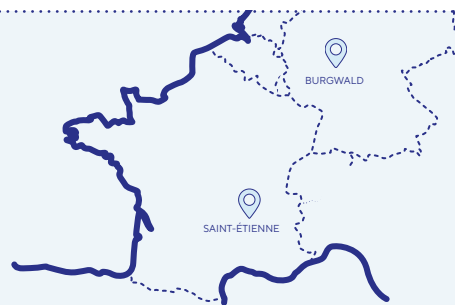
Computer Assisted
Made-to-Measure knitting
provides devices fully
adapted to patient body shape



A large offering of

400

product references
(all ranges considered)



2 dedicated manufacturing sites

**IN FRANCE
(St-Etienne)**

Mobiderm® - Cicatrex
Lymphatrex Revolution
Lymphatrex Essential
Lymphatrex Expert

**IN GERMANY
(Burgwald)**

Cicatrex
Lymphatrex

(1) : 3-day delivery does not apply to made-to-measure products

Measurement

A few essential reminders

- Measurements must be taken by a healthcare professional trained in made-to-measure lymphology devices and to the specificities of Thuasne® measurements for the delivery of our devices.
- Proper adjustment of the garment on the patient will depend on the transmission of correct measurements.
- Measurements are preferably made in the morning or after manual lymphatic drainage and at the end of the intensive treatment in case of first use of the device.

General protocol

- 1 – Select the measurement form corresponding to the desired range and type of garment.
- 2 – Read the whole form.
- 3 – Complete the header information.
- 4 – Select the desired model, draw it on the form and cross out useless measures.
- 5 – Select the desired options.
- 6 – Draw all anatomical markers on the patient based on the measurement form guidelines.
- 7 – Measure circumferences at these various markers.
- 8 – Measure heights associated with the markers.

Take the time to take those measurements and do not hesitate to attach photographs or additional measures to your request.

Tools required

- Measurement forms
- Dermatological felt-tip pen, or kohl pencil to point the markers
- Measuring tape (for arm/leg)
- "Lasso" tape (for fingers/toes)
- Flexible ruler
- Wipes

Measurement Sheets

To help healthcare professionals prescribe and dispense products, Thuasne® provides measurement forms for compression and support hosiery and garments and made-to-measure orthotics.

Measurement forms available on
www.thuasne.com/en/our-services/measurement-forms



Discover our other fields of expertise



Orthopedics

Complete range of orthopedic devices



Vascular

Our latest venous compression range



After breast cancer SILIMA®

External breast prostheses, lingerie,
swimwear

**To ask for our catalogs:
sales.export@thuasne.fr**

Notes

Chronic Edemas treatment

Lymphedema Treatment: the reduction phase

Lymphedema Treatment:
the maintenance phase

Scar Treatments & Major Burns

Measurement Forms

WINGS FOR YOUR HEALTH

Thuasne

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Biflex - Indications: Alternative to compression stockings (15-36 mmHg) on varicose veins management. Treatment of edema (acute or chronic). Alternative to compression stockings following sclerotherapy or varicose vein surgery. Alternative to compression stockings for trophic disorders management (dermatitis/lipodermatosclerosis). Venous leg ulcer (multilayers elastic bandage for patients with reduced mobility). Symptomatic treatment of deep or superficial acute venous thrombosis. Prevention of post-thrombotic syndrome. Alternative to compression stockings for at-risk patients; Treatment of lymphedema. Contraindications: Do not use in case of major dermatological conditions on an affected limb. Do not use in the event of known allergy to any of the components. Do not use in case of lower limb peripheral arterial disease (PAD) with ankle-brachial index (ABI) < 0.6. Do not use in the event of septic thrombosis. Do not use in the event of phlegmasia cerulea dolens (painful blue phlebitis with arterial compression) of an affected limb. Do not use in the event of decompensated heart failure. Do not use in the event of advanced diabetic microangiopathy. Do not use in the event of phlegmasia cerulea dolens (painful blue phlebitis with arterial compression) of a limb concerned. If worn on the upper limbs: Do not use in case of brachial plexus condition. Do not use in the event of vasculitis of the extremities. **Biflex Self Adjust** - Indications: Management of edema (venous, lymphatic and caused by injury). Chronic venous insufficiency (C3 to C6). Symptomatic treatment of lipedema. Contraindications: Do not use in case of major dermatological conditions on an affected limb. Do not use in the event of known allergy to any of the components. Do not use in case of lower limb peripheral arterial disease (PAD) with ankle-brachial index (ABI) < 0.6. Do not use in the event of decompensated heart failure. Do not use in the event of advanced diabetic microangiopathy (for a compression > 30 mmHg). Do not use in case of severe peripheral neuropathy of the affected limb. Do not use in the event of phlegmasia cerulea dolens (painful blue phlebitis with arterial compression) of an affected limb. Do not use in case of extra-anatomical bypass of the affected limb. Do not use in the event of septic thrombosis. Do not use on the upper limbs in the following cases: Do not use in case of brachial plexus condition. Do not use in case of vasculitis of the extremities. **Biflex Ideal** - Indications: Treatment of edema (acute or chronic). Treatment of lymphedema. Chronic venous insufficiency (as an alternative to compression stockings). Following sclerotherapy or varicose vein surgery. Treatment of venous ulcers (with ABI > 0.8 or under close medical supervision for an ABI between 0.5 and 0.8). Symptomatic treatment of deep or superficial acute venous thrombosis. Prevention of post-thrombotic syndrome. Alternative to compression stockings for at-risk patients. Alternative to compression stockings for the treatment of edema of the legs or swelling during pregnancy. Treatment of symptoms related to soft tissue injuries. Contraindications: Do not use in the event of known allergy to any of the components. PAD (peripheral arterial disease) with an ABI < 0.6. Skin wounds, abscess, infected skin conditions of a limb concerned. Advanced diabetic microangiopathy (if pressure > 30 mmHg). Decompensated heart failure. Phlegmasia cerulea dolens (painful blue phlebitis with arterial compression) of a limb concerned. Extra-anatomic bypass. Septic thrombosis of a limb concerned. Severe peripheral neuropathy. **Biplast** - Indications: Soft tissue or musculoskeletal system injuries. Strapping: post-trauma support. Fractures of the small bones (finger, foot, etc.). Congenital or acquired bone deformity of the foot. Vascular or lymphatic diseases requiring short-stretch or multicomponent bandage. Contraindications: Do not use the product if the diagnosis has not been confirmed. Do not use in the event of known allergy to any of the components. Do not apply the product directly to an open wound without a dressing. Do not use in case of cozing or major dermatological conditions of the affected limb. Do not use in case of extra-anatomical bypass of the affected limb. Do not use in the event of known allergy to any of the components. Do not use in case of septic thrombosis of the affected limb. If worn on the lower limbs: Do not use in case of lower limb peripheral arterial disease (PAD) with ankle-brachial index (ABI) < 0.6. Do not use in the event of decompensated heart failure. Do not use in the event of advanced diabetic microangiopathy. Do not use in the event of phlegmasia cerulea dolens (painful blue phlebitis with arterial compression) of a limb concerned. If worn on the upper limbs: Do not use in case of brachial plexus condition. Do not use in the event of vasculitis of the extremities. **Cicatrex (RAL standard)** - Indications: Damage of the skin and the skin's healing function with hypertrophic scarring or keloid formation. Following injuries / burns / surgical interventions. Skin grafts. For improvement of scar / wound healing until complete healing of the scar. For the stabilisation of surgical results. Medical care of acute, chronic and lymph edemas. Lipedema pain. Absolute contraindications: Peripheral arterial occlusive disease (PAOD) stage III/IV. Decompensated heart failure. Septic phlebitis. Phlegmasia cerulea dolens. Acute erysipelas. Acute bacterial, viral or allergic inflammations. Untreated or advanced dermatoses (contact dermatitis). Untreated open wounds. Swelling of extremities of unknown origin. Untreated malignant tumours. Do not use Silon-TEX® in case of fissured skin or open wounds. Also, do not use it for transplants which did not heal in a stable manner. Relative contraindications: Pronounced exudative dermatoses. Malignant lymph edema. Peripheral arterial occlusive disease (PAOD) stage I/II. Peripheral neuropathy associated with diabetes mellitus. Sensitivity disorders of extremities. Compensated heart failure. Skin infections. Dermatoses (e.g. blistering dermatoses). Intolerance of pressure or of product ingredients. Primary chronic polyarthritis. In case of open wounds in the treatment area, the wound area must first be covered with an adequate wound dressing or a bandage before the compression garment is applied. **Cicatrex (ASQUAL standard)** - Indications: Burns treatment (heat, chemical or electric). Prevention of functional or anaesthetic complications of wound healing (keloids, hypertrophy, adhesions). Skin grafts. Acute or post surgery edemas treatment (for example: breast surgery) or chronic (for example lymphedema). Treatment of symptoms or troubles linked to Ehlers-Danlos syndrome, joint pain, dislocations, joint subluxations, motor instability. Prevention of peripheral neuropathies of the extremities, induced by chemotherapy (only for hand gloves and socks). Contraindications: Do not use in case of major dermatological conditions on an affected limb. Do not use in the event of known allergy to any of the components. Do not use in case of lower limb peripheral arterial disease (PAD) with ankle-brachial index (ABI) < 0.6. Do not use in the event of decompensated heart failure. Do not use in the event of advanced diabetic microangiopathy (for a compression > 30 mmHg). Do not use in case of severe peripheral neuropathy of the affected limb. Do not use in the event of phlegmasia cerulea dolens (painful blue phlebitis with arterial compression) of an affected limb. Do not use in case of extra-anatomical bypass of the affected limb. Do not use in the event of septic thrombosis. Do not use on the upper limbs in the following cases: Do not use in case of brachial plexus condition. Do not use in case of vasculitis of the extremities. Specifically for models for head and neck: Do not use in case of stenosis of the carotid or vessels of the neck and head. Specifically for models applied on the abdomen: Do not use in pregnant women (from the first month). **KitBiflex** - Indications: Venous ulcer of the lower limb (CEAP classification stage C6). Chronic venous edema. Lymphedema. Contraindications: Arterial pathologies: peripheral arterial disease (PAD), arterial ulcer or mixed ulcer with a predominantly arterial component (ankle-brachial index ABI < 0.6 (according to the French Health Authority) or > 1.3). Patients suffering from advanced diabetic microangiopathy phlegmasia cerulea dolens with arterial compression, or septic thrombosis. Extra-anatomic bypass. Uncontrolled heart failure. Pre-existing or infected dermatological conditions (abscesses, boils, infected dermatitis).

Known allergy to one of the components. Advanced peripheral neuropathy. Uncontrolled diabetes. Specifically when worn on an upper limb: Brachial plexus pathology. Vasculitis of the extremities. **Lymphatrex Essential** - Indications: Acute or chronic edema management (e.g. primary or secondary lymphedema of the upper or lower limb). Class 3: additional treatment for the lymphedema maintenance phase. Class 3: in the maintenance phase, after an initial phase of reduction of the affected limb, to maintain volume reduction. Symptomatic treatment of lipedema. Contraindications: Do not use in case of major dermatological conditions on an affected limb. Do not use in the event of known allergy to any of the components. Do not use in the event of phlegmasia cerulea dolens (painful blue phlebitis with arterial compression) of an affected limb. Do not use in the event of septic thrombosis. Specific to the lower limbs: Do not use in the event of advanced diabetic microangiopathy (for a compression > 30 mmHg). Do not use in the event of decompensated heart failure. Do not use in case of lower limb peripheral arterial disease (PAD) with ankle-brachial index (ABI) < 0.6. Do not use in case of extra-anatomical bypass of the affected limb. Specific to the upper limbs: Do not use in case of brachial plexus condition. Do not use in case of vasculitis of the extremities. **Lymphatrex Expert** - Indications: Acute or chronic edema management (e.g. primary or secondary lymphedema of the upper or lower limb). Venous diseases of the lower limbs (recommended compression class(es) indicated in brackets): Varicose veins (≥ 3 mm) (20-36 mmHg). Following sclerotherapy or surgery for varicose veins (≥ 3 mm) (20-36 mmHg). Treatment of chronic venous edema (20-36 mmHg). Trophic disorders: pigmentation or eczema, chronic lipodermatosclerosis or chronic white atrophy (20-36 mmHg). Healed venous ulcer (20-36 mmHg and > 36 mmHg). Active venous ulcer (> 36 mmHg). Chronic venous disease associated with pregnancy or the post-partum period (20-36 mmHg). Prevention and/or treatment of venous thrombosis (lower limb) and post-thrombotic syndrome (20-36 mmHg). Symptomatic treatment of lipedema. Contraindications: Do not use in case of major dermatological conditions on an affected limb. Do not use in the event of known allergy to any of the components. Do not use in case of severe peripheral neuropathy of the affected limb. Do not use in the event of septic thrombosis. Do not use in the event of phlegmasia cerulea dolens (painful blue phlebitis with arterial compression) of an affected limb. Specific to the lower limbs: Do not use in case of lower limb peripheral arterial disease (PAD) with ankle-brachial index (ABI) < 0.6. Do not use in the event of decompensated heart failure. Do not use in the event of advanced diabetic microangiopathy. Do not use in case of extra-anatomical bypass of the affected limb. Specific to the upper limbs: Do not use in case of brachial plexus condition. Do not use in case of vasculitis of the extremities. **Lymphatrex Revolution** - Indications: Treatment of acute or chronic edema (e.g. primary or secondary lymphedema of the upper or lower limb). Venous diseases of the lower limbs (the recommended compression classes according to French Health Authority (HAS) are indicated in brackets): Heavy legs, restless legs, evening edema (15 - 20 mmHg). Telangiectasia or reticular veins (< 3 mm) (15 - 20 mmHg). Following sclerotherapy for telangiectasia or reticular veins (< 3 mm) (15 - 20 mmHg). Prevention of venous thrombosis in pregnant women or post-partum (15 - 20 mmHg). Varicose veins (≥ 3 mm) (15 - 20 mmHg and 20 - 36 mmHg). Following sclerotherapy or surgery for varicose veins (≥ 3 mm) (15 - 20 mmHg and 20 - 36 mmHg). Chronic venous edema (20 - 36 mmHg). Trophic disorders: pigmentation or eczema, chronic lipodermatosclerosis or chronic white atrophy (20 - 36 mmHg). Healed venous ulcer (20 - 36 mmHg and > 36 mmHg). Active venous ulcer (> 36 mmHg). Chronic venous disease associated with pregnancy or the post-partum period (20 - 36 mmHg). Prevention and/or treatment of venous thrombosis (lower limb) and post-thrombotic syndrome (20-36 mmHg). Symptomatic treatment of lipedema. Contraindications: Do not use in case of major dermatological conditions on an affected limb. Do not use in the event of known allergy to any of the components. Do not use in case of severe peripheral neuropathy of the affected limb. Do not use in the event of septic thrombosis. Do not use in the event of phlegmasia cerulea dolens (painful blue phlebitis with arterial compression) of an affected limb. Specific to the lower limbs: Do not use in case of lower limb peripheral arterial disease (PAD) with ankle-brachial index (ABI) < 0.6. Do not use in the event of decompensated heart failure. Do not use in case of extra-anatomical bypass of the affected limb. Specific to the upper limbs: Do not use in case of brachial plexus condition. Do not use in case of vasculitis of the extremities. **Mobiderm® Pads & Bandages** - Indications: Acute or chronic edema management (e.g. lymphedema). Contraindications: skin infection of the limb or acute inflammation, known allergy to components used, septic thrombosis, severe peripheral neuropathy of the limb. Lower limb - PAD (peripheral arterial disease) of lower limbs with ABI < 0.6, congestive heart failure, advanced diabetic microangiopathy, phlegmasia cerulea dolens, extra-anatomic bypass. Upper limb - pathology of brachial plexus, vasculitis of the extremities. **Mobiderm® Autofit, Standard and Made-to-Measure garments** - Indication (for Mobiderm® Autofit): Acute or chronic edema management (e.g. lymphedema during the intensive and/or maintenance phases). Indication (for Mobiderm® Standard and Made-to-Measure garments): Acute or chronic edema management (e.g. lymphedema during the maintenance phase). Contraindications: Do not use in case of major dermatological conditions on an affected limb. Do not use in the event of known allergy to any of the components. Do not use in case of severe peripheral neuropathy of the affected limb. Do not use in the event of septic thrombosis. Do not use in the event of phlegmasia cerulea dolens (painful blue phlebitis with arterial compression) of an affected limb. Specific to the lower limbs: Do not use in case of lower limb peripheral arterial disease (PAD) with ankle-brachial index (ABI) < 0.6. Do not use in the event of decompensated heart failure. Do not use in the event of advanced diabetic microangiopathy. Do not use in case of extra-anatomical bypass of the affected limb. Specific to the upper limbs: Do not use in case of brachial plexus condition. Do not use in case of vasculitis of the extremities. **VENO ELEGANCE** - Indications: Soft indentable lymphedema (stage I), arm edema following breast cancer surgery and radiotherapy, post-surgery and post-traumatic edema. Contraindications: Advanced peripheral arterial occlusive disease, decompensated cardiac insufficiency, septic phlebitis, phlegmasia cerulea dolens, weeping dermatoses, compression material intolerance, paresthesia, advanced peripheral neuropathy, primary chronic polyarthritis. **Mobiderm® Intimate Bra** - Indications: Acute or chronic edemas and lymphedemas of the breast and/or the breast wall, post-operative edemas or edemas after radio therapy (only on intact skin), chronic infiltration after reconstruction, remaining chronic breast wall edemas. Contraindications: Allergic or inflammatory skin changes (e.g. swelling, reddening of the body area to be cared for). Use only on intact skin, not on infected or acutely inflammatory skin. Please consult with the treating physician regarding the indication and wearing mode of this orthopedic aid. **Mobiderm® Intimate Short** - Indication: Treatment of pelvic and genital lymphedema. Contraindications: Skin infections on the pelvis or legs; Pregnant women (from the first month); Known allergies to any of the components; Lower limb peripheral arterial disease (PAD) with ankle brachial index (ABI) < 0.6; Decompensated heart failure; Septic thrombosis of the proximal veins; Phlegmasia cerulea dolens (painful blue edema with arterial compression) in the thighs; Posthystectomy (circumcision) within the past three months; Female patient with marked localized edema of the labia minora only. **Foam bandage, Protective underwrap** - Indications: Protection of cutaneous surfaces to cover. Foam bandages and Varico products contain latex.

BIFLEX, BIFLEX Self Adjust, BIFLEXIDEAL, Biplast, CICATREX (ASQUAL standard), KITBIFLEX, LYMPHATREX Essential, LYMPHATREX Expert, LYMPHATREX Revolution, MOBIDERM®, MOBIDERM® Intimate Short, bandages accessories

VENO ELEGANCE, LYMPHATREX, CICATREX (RAL standard), MOBIDERM® Intimate Bra, CICATREX Upper Limb

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