

## Adjustable compression wraps: applications & benefits



### What are wraps?

Adjustable compression devices with inelastic properties.

### When are they used?

For the management of lymphedema, chronic venous insufficiency and lipedema.

### What makes them so special?

The combination of material attributes (high working pressure, low resting pressure) and design properties (self-adjustability) offers many benefits over conventional bandages.

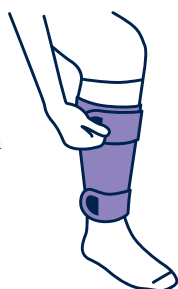


### Benefits

#### 1 Self management

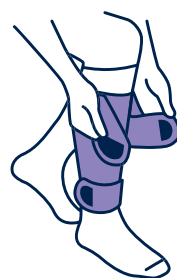
##### Self-application

- Easy & quick self-application by patient or caregiver
- Ideal for patients with limited access to care centers



##### Self-adjustment

- Patient can tighten wraps when they loosen due to edema reduction
- Possibility to loosen in case of discomfort
- Better pressure maintenance over time



##### Self-hygiene & skin care

- Wrap & liner can be easily removed & washed if needed
- Hygiene & skin care can be performed at home & more regularly



#### 2 Enhanced treatment efficacy (upper & lower limbs)

##### Lymphedema

- Effective edema reduction & maintenance
- Maintenance of appropriate compression level
- Reduced pain & heaviness
- Increased mobility
- Improved skin integrity
- Improved leg shape
- Greater limb volume reduction compared to bandages despite same initial pressure

##### Venous leg edema & ulcers

- Improved venous return (high static stiffness index)
- Effective edema reduction
- Reduced pain
- Fast ulcer healing rate, prevention of ulcer recurrence
- Improved skin integrity & density
- More effective than bandages in reducing edema & healing ulcers

##### Lipedema / Lipolymphedema

- Reduction in leg volume
- Tissue support
- Increased mobility, decrease in discomfort and pain (based on observational reports)

##### Liposuction

- Effective volume reduction in the management of post-operative edema after liposuction

#### 3 Cost-effective

##### Direct cost savings - material saving

- Wraps washable & re-usable
- Material costs for wraps versus bandages met after approximately one month = cost-effective despite initial outlay

##### Indirect cost savings - time saving

- Self-application: fewer clinic visits, more time available for the clinician to perform manual lymph drainage & skin care
- Application/handling quick & easy to learn by clinicians & caregivers

#### 4 Enhanced quality of life

- Increased comfort (low resting pressure) while being effective
- Improved gait, stability & mobility
- Nicer cosmetic appearance & less bulky than bandages
- Normal clothes & shoes can be worn again
- Improved wound care
- Enhanced independence, confidence & satisfaction
- Improved psychosocial aspects
- Increased concordance & compliance

### Take-home message

Wraps do not only improve the clinical outcome of lymphedema and CVI patients, but they also clearly increase their quality of life through autonomous handling and self-management while being comfortable, hygienic and cost-effective.

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