

Inelastic Compression Devices:

Meeting the challenges of managing Chronic Oedema

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Declaration of Interest

Challenges

- 1. Complex conditions**
- 2. Comorbidities**
- 3. Resources**
- 4. Challenging current practice**

Complex Conditions



Resources



Challenging current practice

Skin Care

Hygiene

Skin observation

Management of
infection

Compression

Measuring & fitting

Ordering

Style of compression

Compression class

Self-Care

“Patient won’t be
able to manage”

“Patient can’t wash
legs”

**Patients can do a
lot more than we
think they can!!**

Products

Choice

Availability

“Always use what we
have always used”

Inelastic Compression Devices (WRAPS)

- Becoming more widely used in lower limb care
- Evidence has shown Wraps to be effective in reducing oedema and healing leg wounds
- Wraps can be adjusted to maintain compression level and fit throughout the day reducing issues slippage and loss of pressure.
- Patients can remove / reapply wraps to undertake skin care. Reducing risk of infection.
- Case studies have shown patient become willing to self-manage when they are given the chance to take control of their care.

Evidence for effectiveness of ICW's

Mosti et al (2015): Adjustable compression devices more effective in reducing oedema

Williams (2017): Adjustable compression devices present new opportunities for improving treatment outcomes, supporting patient independence and self-management in the use of compression therapy.

Partsch (2018): Patients were able to produce more consistent and appropriate pressures using adjustable compression devices.

Mosti et al (2019): Adjustable compression devices are significantly cheaper and more effective than inelastic bandages for venous leg ulcer healing.

Case Studies using Compreflex Inelastic Compression Wrap



Case study 1



Case study 2



Case study 3



Take home message

- Chronic Oedema impacts on many areas of care
- It is a complex condition to manage
- Inelastic compression wraps (Compreflex) has shown to be effective in managing oedema and promoting self-care
- Consider those patients who may be able to self-manage or be supported more easily at home by carers using inelastic compression wraps
- Skin care is essential. Wraps enable patients to have more regular skin management
- Wraps can give control back to the patient.

References

Mosti G, Cavezzi A, Partsch H, Urso S, Campana F. (2015). Adjustable Velcro Compression Devices are More Effective than Inelastic Bandages in Reducing Venous Edema in the Initial Treatment Phase: A Randomized Controlled Trial. **Eur J Vasc Endovasc Surg.**;50(3):368-74

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Partsch H (2018) Reliable self-application of short stretch leg compression: Pressure measurements under self-applied, adjustable compression wraps. **Phlebology.** 34(3): 208-213

Mosti G, Stefano M, et al (2019) Adjustable compression wrap devices are cheaper and more effective than inelastic bandages for venous leg ulcer healing. A multicentric Italian randomized clinical experience. **Phlebology.** 35(2):124-133

Thank you.

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is dedicated
to helping people
feel their best.
Every day.

Questions?

