Dress for Success

Integrated therapies for wound healing in the lymphedema patient

Edema Lecture

lay 2, 2019

de Farrow, MD, CWSP garet Hopkins, CLT



<section-header> Benefits of Edema Reduction Decreases pain Improves cellular transport Improves acid - base balance Improves acid - base balance Collagen cross-linking Angrogenesis Epithelialization Improved neutrophil function Improved resistance to infection





















Lymphedema vs Chronic Venous Insufficiency

- Lymphedema Foot and toes usually involved
- Skin changes
 Diurnal variation
- Proximal involvement

CVI

- Champagne bottle leg
 Hemosiderosis
- No skin changes













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Non-elastic Compression

Materials with minimal to no stretch - Ex Unna Boot - Also used in some inelastic garments

Advantages - Low potential resting compression with high working compression - Relatively safe when used correctly

- Disadvantages Poorly defined resting compression level Nurse or physician must apply Poor conformability to limb shape Tends to slide down as edema reduces Inconsistent compression levels as edema / limb size reduces - Not effective over joints

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JOBST[®] FarrowWrap[®] Medicare Reimburseable

BASIC

- Double-sided Velcro® and trimmable bands
 Economical / Medicare reimbursable (A6545)
- Double-sided Velcro® and trimmable bands
 Includes FarrowHybrid

4000

- Only 4 straps for donning ease.
- Includes donning sleeve
- Economical / Medicare reimbursable (A6545)
 Includes FarrowHybrid









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<section-header></section-header>	Whitaker 2016 5 western country (Australia, Germany, Sweden, UK, US 45 minute telephone survey (Whitaker 2016) showed over 1/3 of participants questions had initiated night time compression themselves. Reasons for not wearing night time compression at night (27%) - Heat or temperature (2016) (81%) - Simp orders (5%) - Simp orders (5%) - Simp orders (5%) - Too oth and rand bind to put on compression at night (27%) - Heat or temperature (2016) - Heat orders (5%) - Heat orders (5%) - Simp orders (5%) - Simp orders (5%) - Trop were too unconfortable to wear - Too hot and caused sweating - Made the skin Ich?y - Slipped down the limb during the night - Were time consuming to do at the end of the day - Disturbed their selep - Subjective reports were that night-time compression reduced swelling, and thus reduced pain and led to better skeep > ILF position document discusses a 'transition phase', which accurs when patients move from DLT to self management (LF, 2008). During this phase, some patients will need 24h compression to prevent rebound edema, and reverse other symptoms associated with sympthetime
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Latest Clinical Evidence-MCS

Rabe et al, Indications for medical compression stockings in venous. And ly disorders: An evidence-based consensus statement, Phlebology 2018.

Noteable Lymphedema Findings
• Recommend MCS for improvement of lipodermatosclerosis in pts with CVD
(significantly reduced in 6-12mo)

Latest Clinical Evidence

Mosti G, Cavezzi A, Compression therapy in lymphedema: Between past and recent scientific data, Phlebology 2019 Jan 9

Conclusions Lower Extremity: pressure range of 40-50mmHg is more efficacious

- Upper Extremity: pressure 20-30mmHg provides the best outcome (likely due to lower filtration pressures)
- It was shown that AVCDs are more effective than inelastic bandages in reducing leg volume due to device self-adjustment by pts leading to better pressure maintenance over time
- Foot compression of up to 40mmHg increases intra-lymphatic pressure while evoking spontaneous vessel contractions. No benefit of higher pressures
- · A Higher stiffness does not seem to be a pre-requisite in lymphedema compression, in light of outcomes achieved by garments and AVCDs. Suggests moderate / strong pressure is main characteristic to pursue, and stiffness plays a minor role

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