



JOBST[®]

Why choose a 2-in-1 compression system for the management of venous leg ulcers?

VenUS IV

Four-layer bandaging vs two-layer compression hosiery

Four-layer bandaging vs two-layer compression hosiery

- ✓ To compare the clinical and cost effectiveness when treating venous leg ulceration
- ✓ No clinical difference in outcomes
- ✓ Increased use of **JOBST[®] UlcerCARE[™]** can help the NHS make substantial savings and improve patients quality of life¹

JOBST[®] UlcerCARE[™]

2-in-1 compression system for the effective management of venous leg ulcers

Clinical and cost-effectiveness of compression hosiery versus compression bandages in treatment of venous leg ulcers (Venous leg Ulcer Study IV, VenUS IV): a randomised controlled trial

Reference	Ashby, R., Gabe, R., Shehzad, A., Adderley, U., Bland, J.M., Cullum, N.A., Dumville, J, Iglesias, C., Kang'ombe, A.R., Soares, M.O., Stubbs, N., Torgerson, D., (2013) Clinical and cost-effectiveness of compression hosiery versus compression bandages in treatment of venous leg ulcers (Venous leg Ulcer Study IV, VenUS IV): a randomised controlled trial, The Lancet. Vol 383. NO 9920.
Number of patients	457
Objective	To compare the clinical and cost effectiveness of two-layer compression hosiery with four-layer compression bandaging, primary end point to be ulcer healing.
Methods	The study was a pragmatic, open, randomised controlled trial with two parallel groups in 34 centres in England and Northern Ireland, consisting of community nurse teams or services, G.P practices, leg ulcer clinics, tissue viability clinics or services, and wound clinics. Participants were aged 18 years or older presenting with a venous leg ulcer with an ankle brachial pressure index of at least 0.8, and were tolerant of high compression. Randomly allocating participants (1:1) to receive two-layer compression hosiery or a four-layer bandages, using a remote randomisation service and pre validated computer randomisation program.
Wound type	Venous leg ulceration
Results	<p>The results demonstrated the following:</p> <ul style="list-style-type: none"> • The trial resulted in comparable data in relation to healing times, demonstrating that two-layer hosiery is as effective at providing compression therapy for the treatment of venous leg ulceration as is four-layer compression bandage systems • The study highlighted that the hosiery group demonstrated a cost benefit compared with bandaging that could be linked to nursing time and promoting a degree of self-care. This cost saving was in the region of £300.00 per patient • There was also an increase in the adjusted quality of life years shown in patients that were recruited to the hosiery group • More patients had a preference of using hosiery than that of bandages 13% asking for bandages and around 50% preferring hosiery • The rate of reoccurrence was greater in the bandage group compared to the hosiery group
Conclusion	The results indicate that compression hosiery is a suitable cost effective alternative to bandaging for the treatment of Venous leg ulceration, demonstrating no difference in clinical outcomes but suggesting that quality of adjusted life years are improved.

1. Ashby, R., Gabe, R., Shehzad, A., Adderley, U., Bland, J.M., Cullum, N.A., Dumville, J, Iglesias, C., Kang'ombe, A.R., Soares, M.O., Stubbs, N., Torgerson, D., (2013) Clinical and cost-effectiveness of compression hosiery versus compression bandages in treatment of venous leg ulcers (Venous leg Ulcer Study IV, VenUS IV): A randomised controlled trial, The Lancet. Vol 383. NO 9920.