

Table XXIII. Sclerotherapy of VV. Sclerotherapy with and without compression or different compression.

Title has been modified

4 articles, 4 RCTs

Compression treatment	Reference	Summary
Stockings or bandages after liquid sclerotherapy	Scurr JH, Coleridge-Smith P, Cutting P. Varicose veins: optimum compression following sclerotherapy. <i>Ann R Coll Surg Engl</i> 1985;67:109-11.	<p>Monocenter study. Forty-two patients with GSV but without SFJ incompetence were treated by liquid sclerotherapy (ethanolamine) and compression. No data on CEAP clinical class Group I: bandaging with Elastoplast for 16 days Group II; stockings (30-40 mmHg) for 18 days Outcome at 3 and 6 weeks In the stockinged legs 144 of 156 injections were successful, compared with 117 of 147 in the bandaged group. $P < 0.001$</p>
Compression therapy after UGFS at various duration	O'Hare JL, Stephens J, Parkin D, et al. Randomized Clinical Trial of Different Bandage Regimens after Foam Sclerotherapy for Varicose Veins. <i>Br J Surg</i> . 2010; 97:650-6.	<p>Monocenter study. 124 VV lower extremities treated by UGFS: GSV or /and SSV or /and their tributaries CEAP clinical classification C2-C5 Group I (n=61): compression by bandages for 24 hours, then compression by anti-thrombosis stockings for further 14 days <i>versus</i> Group II (n=63): compression by bandages for 5 days, then compression by anti-thrombosis stockings for 14 days Results at 1-2 days of follow-up: <i>Pain and AVVSS: no difference between groups</i> Results at 2 weeks of follow-up:</p>

		<p><i>Superficial thrombophlebitis</i>: no difference between groups</p> <p>Results at 6 weeks of follow-up:</p> <ul style="list-style-type: none"> . <i>HRQoL (SF-36) and AVVSS</i>: no difference between groups . <i>Vein obliteration</i>: group I: 90% vs group I:I 89%. P=NS
Compression by stocking versus no compression	Hamel-Desnos C, Guias B.J., Desnos P.R., Mesgard A. Foam sclerotherapy of the saphenous veins: randomized controlled trial with or without compression. <i>Eur J Vasc Endovasc Surg.</i> 2010;39:500-7.	<p>Multi-center study</p> <p>60 symptomatic patients with GSV (maximum 8mm trunk diameter) or/and SSV (maximum 6 mm trunk diameter) incompetence treated by UGFS.</p> <p>Exclusion criteria, isolated saphenofemoral junction incompetence without saphenous trunk incompetence of the thigh, REVAS</p> <p>No previous DVT</p> <p>CEAP clinical classification C2-C6</p> <p>All patients treated by UGFS</p> <p>Group I (n=29): stocking compression (15-20 mmHg) for 3 weeks <i>versus</i></p> <p>Group II (n=31): no compression therapy</p> <p>Results at 14-28 days of follow-up: <i>Venous obliteration</i></p> <ul style="list-style-type: none"> . Length of obliterated vein Reflux suppression . Side effects . Pain, edema, paresthesia Patient satisfaction . QoL <p>No difference between the 2 groups</p>
	Hamel-Desnos C, Desnos P.R., Ferre B, Le Querec A. In vivo biological effects of foam sclerotherapy. <i>Eur J Vasc Endovasc Surg.</i> 2011;42:238-45.	<p>Monocenter study.</p> <p>40 patients with GSV (maximum 8mm trunk diameter) or/and SSV (maximum 6 mm trunk diameter) incompetence treated by UGFS.</p> <p>Exclusion criteria, isolated saphenofemoral junction incompetence without saphenous trunk incompetence of the thigh. REVAS without GSV or SSV without trunk recurrence</p> <p>No previous DVT</p> <p>All patients treated by UGFS</p>

		<p>Group I (n=20): compression stockings (15-20 mmHg) for 3 weeks <i>versus</i> Group II (n=20): no compression therapy</p> <p>Results at 1, 7, 14, and 28 days of follow-up: <i>Biological markers of inflammation</i> (fibrinogen, factor VIII, thrombomodulin, thrombin- antithrombin complex, D-dimers, platelet factor 4 and troponin): No significant biological changes between the 2 groups</p> <p>Results at 28 days of follow-up: <i>Venous obliteration</i> 100% in both groups</p>
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Abbreviations:

AVVSS= Aberdeen varicose vein severity score; DVT=deep vein thrombosis; HRQoL= health-related quality of life; GSV= great saphenous vein; REVAS=recurrent vein after surgery; SFJ=saphenofemoral junction; SF-36 = generic quality of Life questionnaire; UGFS= ultrasound guided foam sclerotherapy; SSV=small saphenous vein; VV=varicose veins..