

**Table XXXIX. UGFS with and without tumescent anesthesia
2 Articles, 2 RCTs**

Operative procedure	Reference	Summary
<p>UGFS with and without tumescent anesthesia</p>	<p>Devereux N,,Recke AL, Westerman L, Recke A, Kahle B. Catheter-directed Foam Sclerotherapy of Great Saphenous Veins in Combination with Pre-treatment Reduction of the Diameter Employing the Principals of Perivenous Tumescent Local Anesthesia. EJEVS 2014;47:187-95</p>	<p>Multi-center study. 50 patients with symptomatic GSV (diameter 5-10 mm measured 3cm after SFJ) incompetence. No data on SSV, deep veins CEAP clinical classification C2-C6 Catheter directed foam sclerotherapy (CDFS) for all patients Group I (n= 25) UGFS with tumescent anesthesia <i>versus</i> Group II (n= 25) UGFS without tumescent anesthesia. Outcome at 12 months . Group I (n= 23) Full occlusion 73.9 % Partial occlusion 8.7% Treatment failure 17.4% . Group II (n= 20) Full occlusion 75 % Partial occlusion 20 % Treatment failure 5% Conclusion Tumescent application with saline to reduce the vein diameter to aid the outcome of CDFS did not significantly affect the occlusion rates 12 months after treatment, which were in the region of 74% in both study arms.</p>

	<p>dos Santos JB, Campos Junior W, Porta RMP, Puggina J, da Silva DFT, Puech-Leao P et al. Catheter-directed foam sclerotherapy with tumescence of the great saphenous vein versus ultrasound-guided foam sclerotherapy: A randomized controlled trial. <i>Phlebology</i> 2020;35:84-91</p>	<p>Monocenter study. 50 patients with symptomatic GSV (diameter 6-10 mm measured 3cm after SFJ) incompetence. Exclusion criteria SSV insufficiency, acute DVT CEAP clinical classification C3 Catheter directed foam sclerotherapy (CDFS) for all patients Group I (n= 25) UGFS without tumescent anesthesia <i>versus</i> Group II (n= 25) UGFS with tumescent anesthesia. Outcome at 4 weeks, 6 and 12 months . Group I (n= 24) Full occlusion 36% P=0.012 . Group II (n= 24) Full occlusion 80 % Retreatment Group I=14 P=0.002 Group II= 3 Outcome at 6 and 12 months Success rates was the same in the 2 groups Conclusion Tumescent application lower the number of retreatment</p>
--	---	---

Abbreviations:

DVT=deep venous thrombosis;;GSV = great saphenous vein; UGFS= ultrasound guided foam sclerotherapy; SFJ=saphenofemoral junction; SSV=small saphenous vein.