

Table XXIX. Endovenous laser ablation versus cyanoacrylate glue

2 articles, 2 RCTs

Operative procedure	Reference	Summary
EVLA versus Cyanoacrylate glue	Bozkurt AK, Yilmaz MF. A prospective comparison of a new cyanoacrylate glue and laser ablation for the treatment of venous insufficiency. <i>Phlebology</i> 2016;31:106-113 DOI:10.1177/0268355516632652	Multi-center study. 310 patients (310 LL) presenting primary GSV incompetence with SFJ incompetence. No previous DVT, No deep vein reflux beyond the knee. No significant reflux of the short saphenous or great saphenous anterior accessory vein. CEAP clinical classification C2-C4. Group I EVLA (n=156) versus Group II CAA (n=154) All procedures under local anesthesia, Outcome from 3 days to 1 year . Operative time shorter in group II. P<0.001. . Postprocedural pain score was lower in group II compared to group I compared to group I. P<0.001. . Occlusion rate at 1 month better for group II. P<0.001. . Occlusion rate at 6 to 12 months No difference between the 2 groups . VCCS and quality of life (AVVQ) at 12 months, improved in both groups with a non-significant difference in favour of group II. P=0.062.
	Calik ES, Arslan Ü, Erkut B. Ablation therapy with cyanocrylate glue and	Monocenter study. 400 patients (310 LL) presenting primary GSV incompetence, diameter 3-15mm.

	<p>laser for refluxing great saphenous. A prospective randomised study. VASA 2019: Apr 24:1-8.doi 10. 1024/0301-1526/a 000792.</p>	<p>No data on SSV or deep vein Contraindication: previous DVT, No reflux in accessory veins. CEAP clinical classification C2-C4. Group I EVLA (n=204) <i>versus</i> Group II CAA (n=208) EVLA under local anesthesia, <i>Operative time</i> shorter in group II (P<0.001) Outcome at 1 week, 3,6 and 12 months . <i>Postoperative complications</i> Only paresthesia had a significant difference in favour of CAA. P>0.001 . <i>Occlusion rate superior to 95% at any time</i> No difference between the 2 groups . <i>VCCS and quality of life (CIVIQ) at 12 months, improved in both groups with a non-significant difference between the 2 groups</i></p>
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Abbreviations:

AVVQ= Aberdeen varicose vein questionnaire; CAA= cyanocrylate ablation; CIVIQ= a quality of life tool; DVT=deep venous thrombosis; EVLA=endovenous laser ablation; GSV = great saphenous vein; LL= lower limb; SFJ= saphenofemoral junction; SSV=small saphenous vein; VCCS= venous clinical score