

	EVL[®]	Surgery (Ligation & Stripping)
Treatment Location (Primary)	Office	Hospital
Anesthesia	Local	General Anesthesia
Success Rate	93-98% ^{1,2}	77-82% ^{3,4}
Complications		
Deep Vein Thrombosis (DVT) or Saphenous Thrombus Extension	0.3% ^{7,8}	5.3% ⁶
Pulmonary Embolism (PE)	None Reported ¹¹	
Side Effects		
Ecchymosis/Hematoma	Mild to Moderate (<35%) ^{1,9,12}	Significant (>50%) ⁵
Pain/Tenderness	Mild to Moderate (<25%) ^{9,12}	Moderate (28%) ⁵
Paresthesia	0.08% ^{1,10}	14% ⁵
Recovery		
Return to normal activity	1-2 days	3.9 days ⁵
Patient Satisfaction (would recommend to a friend)	99.8% ¹	N/A

1. Min, Khilnani, Zimmet. Endovenous Laser Treatment of Saphenous Vein Reflux: Long-Term Results. J Vasc Interv Radiol; 2003;14:991-996
2. Navarro, Salat. Endolaser – a three year follow-up report: Implication on crosssectomy and ligation and stripping. 16th Annual Congress American College of Phlebology, Nov 2002
3. Sarin, Scurr, Smith. Assessment of stripping the long saphenous vein in the treatment of primary varicose veins. Br J Surg 1992;79:889-893
4. Dwerryhouse, Davies, Harradine, Earnshaw. Stripping the long saphenous vein reduces the rate of reoperation for recurrent varicose veins: five-year results of a randomized trial. J Vasc Surg 1999;29:589-592
5. Lurie, F, et al. Prospective randomized study of endovenous radiofrequency obliteration (Closure procedure) versus ligation and stripping in a selected patient population (EVOLVeS Study), J Vasc Surg 2003; 38(2):207-14.
6. van Rij et al. Incidence of deep vein thrombosis after varicose vein surgery. Br J Surg. 2004 Dec;91(12):1582-5
7. Mozes G, Gloviczki P, et al. Extension of saphenous thrombus into the femoral vein: A potential complication of new endovenous ablation techniques J Vasc Surg 2005;41:130-5
8. No DVT reported (MAUDE, see footnote 11); 0.3% represents non-occlusive thrombus extension
9. Puggioni A, Kalra M, Carmo M, Mozes G, Gloviczki P. Endovenous Laser Therapy and Radiofrequency Ablation of the Great Saphenous Vein: Analysis of Early Efficacy and Complications J Vasc Surg 2005;42:488-93
10. Almeida JJ, Raines J. Radiofrequency Ablation and Laser Ablation in the Treatment of Varicose Veins. Ann Vasc Surg 2006; 20:547-552
11. FDA reported events on Manufacturer & User Facility Device Experience (MAUDE) database (up to April 2007) since product inception. Up to date results available at <http://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfMAUDE/search.cfm>
12. Zimmet SE. Pain, Bruising and Short-Term Efficacy after Endovenous Treatment of the Greater Saphenous Vein: The Effect of Operative Technique and Postoperative Care. 16th Annual Congress American College of Phlebology. Nov 2002