

EVLT® vs. RF

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| | EVLT® | Radiofrequency (RF) |
|--|---|--|
| Success Rate (comparative studies) | 94-100% ^{1,2,3,4} | 86-92% ^{1,2,3,4} |
| Complications Deep Vein Thrombosis (DVT) or Saphenous Thrombus Extension | 0.3% ^{5,6} | 2.1% ^{5,7} |
| Pulmonary Embolism (PE) | None Reported ⁸ | 6 cases ⁸ |
| Side Effects Bruising | 24% ¹⁰ Bruising @ 1 week (resolved in all cases at 1-month) | 33% ⁹ @ 1 week |
| Bruising w/swelling | | 14% ⁹ @ 1 week |
| Tingling/Numbness | Other data not available | 23% ⁹ @ 1 week |
| Post-Op Experience | Compression stockings prescribed Walking immediately encouraged Will feel a delayed tightness (or "pulling" sensation) 4-7 days after laser treatment which is normal and expected following a successful treatment | Compression stockings prescribed Walking immediately encouraged |
| Patient Satisfaction (would recommend to a friend) | 99.8% ¹⁰ | 98% ¹¹ |

1. Black CM, et al *Failure Rates of Endovenous Radiofrequency Ablation Compared Endovenous Laser Ablation* Society of Interventional Radiology, New Orleans, LA; 2005: Abstract 144
 2. Isaacs M, Gardner M, *Comparison of Duplex Guided Sclerotherapy, Closure and EVLT in a Single Practice*. 17th Annual Congress, American College of Phlebology. Aug 2003
 3. 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
 4. Almeida JI, *RFA Versus Laser Ablation of the Saphenous Vein*. Endovasc Today Supplement. Dec 2004 15-19
 5. 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
 6. No DVT reported (MAUDE, see footnote 8); 0.3% represents non-occlusive thrombus extension
 7. Some DVT reported (MAUDE); 2.1% represents combination of DVT and non-occlusive thrombus extension
 8. FDA reported events on Manufacturer & User Facility Device Experience (MAUDE) database (up to March 2006) since product inception. Up to date results available at <http://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfMAUDE/search.cfm>
 9. 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.
 10. Min, Khilnani, Zimmet. Endovenous Laser Treatment of Saphenous Vein Reflux: Long-Term Results. J Vasc Interv Radiol; 2003;14:991-996
 11. Weiss RA, et al. Controlled Radiofrequency Endovenous Occlusion Using a Unique Radiofrequency Catheter Under Duplex Guidance to Eliminate Saphenous Varicose Vein Reflux: A 2-Year Follow-up, Dermatologic Surgery, Jan 2002; 28:1: 38-42