

Multicenter trial results with the 980nm laser

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Venous System 980nm

International Registry Working Group

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Purpose: The purpose of this group is to develop an international registry of patients who have had a procedure utilizing the 980nm wavelength laser. This registry is being developed for the purpose of studying patients with symptomatic chronic venous insufficiency and their responses to the endothermal ablation. Contributing to this registry now but not limited to are physicians from these following countries: Argentina, Brazil, Belgium, Chile, Equador, France, Germany, Italy, Switzerland, United Kingdom, and United States.

Methods: The nucleus of the IRWG is composed of physicians who are recognized as leaders in the venous field and who have used the 980nm laser for the treatment of CVI. All patients from the doctors' or countries' registries have been submitted for analysis. Analysis of the data will be scrutinized by a sub-committee of the IRWG.

Results: The US submitted 1933 limbs for Endovenous Ablation with 1799 limbs being treated for GSV insufficiency. There was a reported efficacy rate of 94.88%. Eleven other countries submitted data involving 5678 limbs. 5262 of this cohort were treated GSV with an efficacy rate range 91%-99%. The average closure rate for the total group was 96%. 76% of the registry's patients had ecchymosis, 2.3% parasthesia, .5% burns, .3%DVT, and .023% PE.

Conclusion: With the development of the International Registry, questions posed concerning CVI in relationship to laser may be answered in a reliable scientific fashion. Furthermore, initially and in the future we expect to develop a consensus doctrine in the utilization of laser wavelength, power, energy and the timing of adjunctive procedures to treat chronic venous insufficiency.