



Research Update #3 Research Presented at the International Union of Angiology

Ted King, MD, Assistant Medical Director, Vein Clinics of America, recently presented the following study at the 22nd *World Congress of the International Union of Angiology*. This study was selected as part of the most recent and significant advancements in the treatment of varicose vein disease.

“ENDOVENOUS LASER ABLATION OF THE SMALL SAPHENOUS VEIN: RESULTS”

Objective: To report intermediate term results of endovenous laser ablation of sapheno-popliteal junction incompetence and small saphenous vein reflux.

Methods: Fifty-one small saphenous veins in fifty-one subjects with small saphenous vein reflux were treated over a fifteen month period with endovenous laser ablation (980 nm diode laser and 1320 nm Yag laser). Patients were evaluated clinically and Duplex ultrasound evaluation was performed at three days, one week, one month, three months, six months, and twelve months.

Results: Successful occlusion of the SSV, as shown by lack of flow on Duplex ultrasound and pulsed color Doppler imaging, was demonstrated in all but two patients at one month, in all but two patients at three months, in all but two patients at six months, and in all but one patient at one year. No nerve injury or skin burns occurred. There was no evidence of deep venous thrombosis (DVT). Patients experienced mild bruising, swelling, and discomfort but, otherwise, had no significant complications.

Conclusions: Short and intermediate term results of endovenous laser ablation of the small saphenous vein treatment showed that this technique is highly safe and effective in the elimination of small saphenous vein reflux.

We hope you have found this information useful.