

ACTIVATION OF THE CALF MUSCLE PUMP ACTION BY ELECTRO-STIMULATION WITH VEINOPLUS DEVICE

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Purpose of the study: To study the effect of the electro-stimulation with the VEINOPLUS® device on the physiopathology and quality of life patients suffering from distal venous stasis and also from insufficiency of saphenous veins.

Material and methods: The study carried out was of non-randomized experimental type. The inclusion criteria for patients were to have pains of venous origin and venous insufficiency classified as C0S or C1S or C2S according to classification CEAP and saphenous incompetence. A duplex Doppler Ultrasound scan was performed at the initial examination, to evaluate the VEINOPLUS® physio-pathological effects on the reflux. Then each patient filled out a QOL CIVIQ-2 questionnaire. The patients used the VEINOPLUS® for 20 minutes daily during three weeks. During the last exam the questionnaire CIVIQ 2 was filled out.

Results: Physio-pathological effects were studied on 20 patients. The VEINOPLUS® electrostimulation restored physiological venous flow and drained the calf muscles of the blood accumulated there. The effect of VEINOPLUS® stimulation on the quality of life was studied on 40 patients and demonstrated significant improvement of the quality of life of these patients.

Conclusion:

VEINOPLUS® by the way of electro-stimulation of calf muscles is of significant interest for venous insufficiency treatment. It ensures distal venous draining and significantly improves the quality of life of patients.