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Ten conclusions after ten years experience in radical endovenous laser therapy of lower extremity varicose veins

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The paper is aimed to show our experience with endovenous surgical treatment of superficial venous insufficiency of the lower limbs. We have been performing the radical endovenous laser therapy in the treatment of the chronic venous insufficiency of the great and the small saphenous veins with the device Cerelas D15/Biolitec Inc./ since 2004. The 980nm wavelength was used until the end 2007, and the 1470nm wavelength has been used from 2008 to date. All patients underwent the procedure under the conditions of the aseptic operation theatre, the length of their hospitalisation ranged from a few hours to 24 hours. In total, we treated 835 patients, 65.5% of them were females, the great saphenous veins were closed in 724 cases, the small saphenous veins in 103 cases, bilateral procedure was performed in 102 cases and

the accessory veins in 77 cases. The power of the laser beam decreased from 12W in the groin to 2W in the ankle. The amount of energy released per unit length oscillated around 80J/cm. We always sought to treat simultaneously all varices on the extremities during the initial endolaser therapy. All dilated branches of the main veins were closed either by laser, or instrumentally with combined approach, or by sclerotisations.

Speaker Biography

Ivan Maly born in Prague March 16th, 1944. He has been graduated on Charles University in Prague, Czech Republic in 1967. From 1967 he worked as a general surgeon and after time with the vascular specialisation, in Central Military Hospital in Prague till 2003. He has been, from 2004, the private surgeon in General and Vascular outpatient centre and at present, he is interested in the endovenous laser surgery of the lower limbs.

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