

International Conference on

# PLASTIC & COSMETIC SURGERY

International Conference & Expo on

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# DERMATOPATHOLOGY & SKIN CARE

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### **Carboxytherapy: Non-invasive method in dermatology, aesthetic dermatology and some other branches of medicine**

The utilization of carbon dioxide in medicine and balneotherapy has seen a long-year development. In the beginning, the utilization was purely empirical, but gradually a solid scientific basis was formed. Carboxytherapy—therapeutically applied carbon dioxide injections have been used in balneotherapy since 1932. In the last four years, however, this treatment modality has become the center of attention as a unique method applicable in dermatology, aesthetic dermatology, and anti-aging medicine. Many renowned clinics of aesthetic medicine promote this unique method as minimum invasive and non-aggressive, comfortable for the patient and producing excellent effects without the risk of undesired side effects. Nowadays, this method is very popular and used in various offices around the globe. In aesthetic dermatology, this method may be applied as a rejuvenation modality and is employed mainly due to its classic vasodilatation effect and its capacity to foster intradermal collagen restructuring. In classic dermatology, it is used to treat patients with poor healing lower leg ulcers, in diabetic patients and in patients with poor healing surgical wounds. Carboxytherapy is efficient also in some psoriasis manifestations when combined with some other traditional approaches, in circumscribed scleroderma, lichen Verrucosus as well as hair loss. In aesthetic dermatology, the effect is manifest quite soon (usually after two sessions already in the course of 7-14 days). It significantly and visibly improves the tonus of the skin as well as other aesthetic parameters (especially while treating skin laxity in the abdomen area, inner arms and thighs, and double chin or saggy eyelids). Good effects also show following the application of carboxytherapy to treat stretch marks, cellulite, and scars (also older and more extensive scars after burns). Great effects are achieved by correcting the side effects of ill performed interventions such as liposuction, or in using carboxytherapy directly to shape problem body areas (thighs, hips, and abdomen). The presentation demonstrated great therapeutic effects achieved in aesthetic dermatology and alopecia totalis, alopecia areata, keloids, striae cutis distensae, andrology – erectile dysfunction and other various diagnosis.

### **Biography**

Hana Zelenková has been active in the field of Dermatovenereology since 1973. Since 2000 she has been directing her own Private Clinic of Dermatovenereology. Professional orientation: aesthetic dermatology, acne and facial dermatoses, medicinal mycology (nail diseases), wound management, psoriasis, employment of Ichthylol and carboxytherapy in dermatology. She is a coordinator of many international multicentre trials. More than 555 expert lectures in the Slovak Republic as well as abroad, 440 scientific publications. She is the Co-author of the dermatocosmetic formulae containing Ichthamol and glycyrrhizinic acid. Author of the book "Carboxytherapy" (2015), translated into 4 languages regularly invited to deliver lectures at international congresses. She is the Founder and President of the Slovak Society for Aesthetic and Cosmetic Dermatology (SSEDK), organizer and President of the traditional international Dermaparty congress. Since 2006 Vice-President European Society of Aesthetic and Cosmetic Dermatology, since 2007 President of the European Society of Aesthetic and Cosmetic Dermatology.

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