



Combinatorial Biologics for Skin Rejuvenation activating the tissue Regeneration

Lejla R. Stojanovic

Chairperson at WAMS, The World Academy of Medical Sciences

Abstract:

Epithelial tissues like those that form the skin are essential to protect the human body from diverse aggressions. The skin is the largest organ of the human body and consists of several layers and structures. It is an essential physical barrier that protects us from the external environment (radiation, xenobiotics, microorganisms, etc.) but also intervenes in essential processes. Examples are thermoregulation, metabolism, the homeostasis of fluids, sensing, or the production of vitamin D and other important compounds [1–2]. Given its importance at different levels, damage to the skin lead to disorders of different natures that can eventually lead to diseases, for instance those derived from infections or even skin cancers, with consequent negative effects in terms of well-being and associated healthcare costs. Skin appearance is also important for individuals at various levels, since some attributes (pigmentation, colour uniformity, wrinkling, elasticity, etc.) have a significant influence on attractiveness judgments, and skin signaling has been associated to aspects ranging from mating choices to socioeconomic status [3–4]. In this work, the importance of our combinatorial biologics from natural sources including *Lycopersicon esculentum* extract (BioShield™ carotenoids), and Bioquantine® in skin health and appearance is reviewed and discussed. References are made to their applications in health promoting, nutricosmetic products and the boosting effect on the facial Platelet Rich Plasma (PRP) showing that the outcome can be improved. Our focused analysis is based on the prevention and protection given by *Lycopersicon esculentum* on the colourless UV



radiation (UVR)-absorbing dietary carotenoids. The skin rejuvenation offered by Bioquantine® and the obtained skin regeneration through PRP facial applications. These carotenoid compound is a dietary carotenoid, readily bioavailable, and have been shown to be involved in several health-promoting actions, as pinpointed in recent reviews [5]. The benefit of adding a topical product containing 93 peptides on its formula boosts then effect of the skin rejuvenation with that unique UVR-absorbing carotenoid and activities can be beneficial in these contexts is whitening and brightening of the patients skin tone. As it is proven, tomatoes and tomato products are rich sources of carotenoids—principally lycopene and lycopersicon esculentum, followed by β -carotene and lutein.

Biography:

Doctor on specialization in clinical immunology and allergology KCS/Faculty of Medicine,

Doctor of regenerative medicine, WAMS certified

Publication of speakers:

1. Prevalence rate of asthma, rhinitis and eczema in children in Niš

Personalized Medicine and Novel Therapy, May 18-18, 2020 Berlin, Germany

Citation: Lejla R. Stojanovic, Combinatorial Biologics for Skin Rejuvenation activating the tissue Regeneration. Personalized Medicine and Novel Therapy, May 18-18, 2020 Berlin, Germany.