

12th International Conference and Exhibition on Cosmetic Dermatology and Hair Care

November 28-30, 2016 San Antonio, USA

Growth factors: Harnessing healing power from restoration to rejuvenation

Maryam Borumand

University of Birmingham, UK

Since the Nobel Prize-winning discovery of nerve growth factor (NGF) and epidermal growth factor (EGF) in 1986, scientists and physicians alike have sought to understand and apply the physiological benefits of growth factors. In both healing and rejuvenation, tissue remodeling and systemic restoration, strides have been made in this regard. While the activity of growth factors and other elements of the cell in response to acute wound damage are becoming increasingly well known, it remains a novelty to many that similar principles of restoration and remodeling repair can be employed for the sake of cosmeceutical rejuvenation. Within this domain, topical serums containing an intricate balance of growth factors, cytokines and other peptides have proven effective in reversing the signs of extrinsic aging. Perhaps the most effective of these serums include those engineered and patented (U.S. Pat. 8,518,819) by AQ Skin Solutions. This study corroborates the idea that the topical application of growth factors and cytokines are beneficial in reducing the signs of skin aging of the face, including the area around the eyes. Moreover, growth factors have been shown to restore hair growth and slow down the progression of Androgenetic alopecia. Our study established the effectiveness of naturally occurring growth factors for anti-aging, skin rejuvenation, wound healing and for the first time in the treatment of hair loss.

Biography

Maryam Borumand is an advanced Aesthetics Practitioner who specializes in non-surgical treatments. She holds a Bachelor of Science in Biomedical Science from Kings' College London, PhD in Biochemistry from University of East Anglia and a Postgraduate Diploma in Physician Associate Studies from University of Birmingham. She is a Member of the Royal College of Physicians and she is part of the Editorial Board for the Journal of Procedural Dermatology. Since qualifying in 2010, she has worked in General Practice for over a year and then went on to work a number of Clinical Research Organizations, within the field of neuroscience and cancer. In 2013, she entered the cosmetics field and carried out extensive research on collagen with numerous publications. In 2015, she set up YouGlo and began practicing in aesthetics from her Harley Street Clinic and several other clinics. She runs regular training workshops from her clinic in Harley Street and mentors colleagues. She also presents regularly at national and international conferences.

maryam_borumand@yahoo.com

Notes: