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Combinatorial Biologics for Acne scars and Skin Rejuvenation Activating the Tissue Regeneration

Abstract:

Introduction: Platelet Rich Plasma (PRP) is a well known biological source that contains growth factors capable to stimulate multiple tissues regeneration. Having a higher concentration of platelets, allows for greater release of these growth factors and biologically active proteins. Bioquantine® an excoriated polypeptide from *Xenopus laevis* oocytes, purified from intra- and extra-oocyte liquid phases of electroporated oocytes, showed its potential therapeutic effects on a wide range of conditions including skin wrinkling in murine models. Our combinatorial biologics (Bioquantine® + PRP) was design to stimulate the post acne infection scars regeneration and skin rejuvenation probing a safe use of it in human patients.

Conclusion: Our Combinatorial Biologics protocol demonstrates well tolerance, safety use and effectiveness of sub and intradermal applicatons of our Polypeptide (BQ-A). It was well tolerated obtaining a rejuvenated skin as part of a regenerative cellular process as the main outcome. This is the beginning of future trials combining BQ-A with human vehicles (cells or derivate cell products) as a safe procedure.

Biography

Osorio brings a wealth of expertise and a visionary mindset to the regenerative medicine field, with a focus on Biotechnology (mRNA), Reprogramming & Regenerative Medicine for translational use in humans, and diverse clinical applications for private medical development. His role as Chairman at REGENERAGE® Elite Clinic and its Initiatives, VP and Clinical Developer for Bioquark, Inc., President at Dr. Jois® initiative and VP and Chairman of the WAMS Americas Division showcase his leadership and commitment to advancing healthcare solutions. With a prestigious background including an MD degree from Westhill University, Diplomate in Aesthetic Medicine (UAG), Advanced Fellow by the ABAARM (A4M), Fellow on Stem Cell Medicine FSCM (USF), Master in Science (ESNECA), Course of Clinical Issues in Primary Care (Harvard Medical School), and Faculty at the World Academy of Medical Sciences (WAMS). Dr. Osorio is at the forefront of innovation in the medical field. His contributions extend beyond the laboratory, as he has appeared on major international media platforms such as CNN Español, TV Azteca, Excelsior Newspaper, and many more, sharing his insights and expertise with global audiences. Notably, Dr. Osorio's impact transcends borders, with over 50 international conferences and congresses where he has served as a lecturer and keynote speaker. He has published more than 30 scientific/medical papers in the last 7 years. His dedication to advancing Regenerative & Reprogramming Medicine makes him an invaluable professional, specially with his transformative contributions on the regenerative medicine field.