

Therapeutic effects of Bioquantine® in patients diagnosed with squint (extropia) cerebral palsy, spinal cord injuries, skin rejuvenation and regeneration

Joel I Osorio

Westhill University School of Medicine, Mexico

We have previously demonstrated that co-electroporation of *Xenopus laevis* frog oocytes with normal cells and cancerous cell lines induces the expression of pluripotency markers, and in experimental murine model studies that Bioquantine® extract (purified from intra- and extra-oocyte liquid phases of electroporated oocytes) showed potential as a treatment for a wide range of conditions Squint, Spinal Cord Injury (SCI), Cerebral Palsy and skin wrinkling. The current study observed beneficial changes with Bioquantine® administration in a small group of patients with a variety of degenerative disorders. Pluripotent stem cells have therapeutic and regenerative potential in clinical situations including dermatological and CNS disorders even cancer. One method of reprogramming somatic cells into pluripotent stem cells is to expose them to extracts prepared from *Xenopus laevis* oocytes. We showed previously that co-electroporation of *Xenopus laevis* frog oocytes; with normal cells and cancerous cells lines, induces expression of markers of pluripotency. We also observed therapeutic effects of treatment with a purified extract (Bioquantine) of intra- and extra-oocyte liquid phases derived from electroporated *X. laevis* oocytes, on experimentally induced pathologies including murine models of melanoma, traumatic brain injury, and experimental skin wrinkling induced by squalene-mono-hydroperoxide (Paylian et al, 2016). The positive human findings for Squint, Spinal Cord Injury, Cerebral Palsy and wrinkling with the results from previous animal studies with experimental models of traumatic brain injury, skin wrinkling, and melanoma, respectively (Paylian et al, 2016). Because of ethical reasons, legal restrictions, and a limited numbers of volunteers, we were able to treat only a very small number of patients. These results indicate that Bioquantine® may be safe and well tolerated for use in humans, and deserves further study in a range of degenerative disorders. We propose that the mechanism of action of Bioquantine® in these various diseases derives from its unique pharmacology and combinatorial reprogramming properties. In conclusion, these preliminary findings suggest that Bioquantine is safe and well tolerated and contains ubiquitous therapeutic activity including restoration Squint (extropia), Cerebral Palsy, dermatologic healing, spinal cord injury.

Biography

Dr. Osorio brings over 20 years of experience in medical practice. Served in capacities in private and public practices, as hospital staff physician and as emergency health services coordinator for a variety of private and public institutions throughout Mexico and managed a blood bank from 2009- 2012. Earned MD degrees at Westhill University and the National Autonomous University of Mexico as a Medico Cirujano. In addition, has diplomas in aesthetic medicine from the Autonomous University of Guadalajara, as an Advance Fellow by the American Board of Anti-Aging and Regenerative Medicine, visiting scholar at University of North Carolina at Chapel Hill in dermatology. Fellow of Stem Cell Medicine by the American Academy of Anti-Aging Medicine and University of South Florida, and currently completing additional masters work in metabolic and nutrition sciences at University of South Florida and Master in Health Sciences Aged Services, Victoria University at Melbourne Australia. A member of the Round table of the ReGeNeRaTe laboratories Mexico's Committee, a DNAGE-Lab Company, working on the stem cells field since 2007, and since 2011 a member of the International Cellular Medicine Society. Chief Medical Officer & Co-Founder at Astrum Salud M6vil in Mexico City. PRP certified practitioner in the aesthetic and regenerative field since 2011 by GyCo.

drosorio@regenerage.clinic

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