

EYE AND VISION

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Gas-permeable scleral contact lens OCT designed-20% autologous serum as therapy for visual rehabilitation and management of chronic ocular surface disease attributable to TEN and SJS.

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Stevens - Johnson syndrome (SJS) and toxic epidermal necrolysis (TEN) are rare but severe and potentially fatal mucocutaneous diseases characterized by widespread epidermal necrosis and mucosal involvement. The two diseases are closely related. These diseases are very severe, with an overall mortality of 20% to 25%. Severe ocular complications not only aggravate the severity of dry eye syndrome, but also threaten for vision. These sight-threatening corneal complications are the continuous trauma caused by friction from the scarred mucosal surfaces of the eyelids. Late ocular complications may significantly impair the overall quality of life of these patients; those who survive these acute diseases are often afflicted with lifelong suffering from severe eye irritation and blindness. Supportive treatments may be insufficient to improve the quality of life of afflicted individuals. Scleral contact lenses are now considered as a standard mode of treatment. They have been reported to increase quality of life, visual acuity and ocular comfort. The first mechanism that family of scleral contact lenses can help is providing a fluid cushion over the cornea by vaulting all through it, this provides an opportunity for the cornea to heal and these family of lenses protect against

rubbing hazards of the keratinized lids and possible trichiasis in patients suffering from severe ocular surface problems. Autologous serum contains the vitamins, several growth factors and fibronectin which are important for corneal and conjunctival integrity. We investigated the efficacy and safety of autologous serum use in a large cohort of Latin-American patients with SJS and TEN 1-3 Sotozono Scale fitted with ScCL designed with the aim of the OCT Visante.

Speaker Biography

Enoc Sandoval has received his degree in Optometry from the National Autonomous University of Mexico. He has lectures and workshops on the treatment of Ocular Surface Disease with Scleral Devices and Specialized Contact Lenses. He has a degree in Histopathology, and has done research in the field of Histopathology of Keratoconus, Eye Care Provider for the International Stevens-Johnson Syndrome Foundation and International Xcel Specialty Contacts Consultant. He has worked at the Association to Avoid Blindness in Mexico (laboratory of Ocular Pathology), at the National Institute of Psychiatry "Ramón de La Fuente Muñiz" (Psychoneuroimmunology Laboratory), in The Hospital Angeles del Pedregal (Laboratory of Pathology) and currently he is practicing his private practice at the Hospital Angeles' Ophthalmological Sciences Institute focusing his efforts in the area of specialty contact lenses for keratoconus as well as other degenerations and corneal ectasias, patients with post-refractive surgery complications as well as Ocular Surface Disease.

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