

EYE AND VISION

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Sergio Ozan

CEPROC, Argentina

Scleral prosthetic lenses

Fifty-one year-old-patient undergone two times corneal transplant in right eye, first corneal transplant in 1999 and second one in 2010, but the patient did not get the vision. After a year there was considerable deformation in the corneal tissue and the cornea became totally leukomatous, deformed and irregular, and the eyeball descending to lower eyelid (keratoglob). I met the patient with Ophthalmologist diagnosis of eyeball evisceration. Thus the patient was with deep depression. Due to the irregular and deformed cornea neither an ocular prosthesis nor soft prosthetic lens could be adapted. So, I tried with a scleral lens. In the first test the general condition of her irregular cornea improved considerably, permitting a good tear film flow between the cornea and the lens. I checked again her cornea and there was neither vision nor light reflection. I consulted the Director of Scleral lenses for Perfect Vision in Chile and suggested using a double flap over the lens. Thus the landing in the

sclera was improved and was not ejected. I adapted a scleral lens X-cell Atlantis, base curve 7.50, diameter 17.5 double flap. I placed a soft lens painted with black pupil and then a second scleral lens with the same parameters, with perfect adhesion. The patient felt very comfortable, with improved quality of life, could insert herself at work again and now her life has completely changed for the better.

Speaker Biography

Sergio Ozan is serving as an Optician at the University of Buenos Aires, Argentina. He is a Specialist in contact lenses, Specialist and Manufacturer of ocular prosthesis and Scientific Adviser for ocular prosthesis in APO (Asociación Profesional de Optómetras in Argentina). He is a Precursor and Creator of multiperforated orbital implant, JUMAT, Precursor and Creator of expander orbit asmtotic hydrogel filling for microphthalmia, Director of CEPROC, Director of Ocular Prosthesis Division in Perfect Vision, Santiago, Chile, Developer of one-hour customized ocular prosthesis method, unique in Latinamerica and Precursor and Creator of the first prosthetic scleral lens.

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