

# EYE AND VISION

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## Sccleral contact lens: Assessment of the changes

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The scleral lens represents fundamental device to the improvement of visual acuity of patients with irregular corneas and/or to bring mitigation of their suffering in cases of dry eye. Perfect fitting in the ocular ball is an important point so that the patient can use it safe and comfortably. We constructed our study based on zens lens- escleral lens, factored in Brazil by Solótica Industria Óptica under the license of Alden Optical- Lancaster- NY, USA. The target is to analyze adjustments done to adapt lens in patients. We also compared the assessments between slit lamp and optical coherence tomography. The adjusts were more frequently needed until now and are sagittal deep, toric periphery and front toric. Other less needed adjusts were changes in the basic curve to regulate the vault in medium periphery of the cornea and micro vault fitting in steep topography.

### Speaker Biography

Has completed his Graduation in Medicine in University of the Lusíada and Specialist degree by the Brazilian Council of Ophthalmology/Brazilian Medical Association. He is an Ophthalmologist at the eye clinic (Santos-SP) and the Director of the Ophthalmology Therapy and Diagnosis Center (Santos-SP), He is the Head of the Ophthalmology Department of the Hospital Santo Amaro (Guarujá-SP) and Contact Lens and Refraction Department of Ophthalmology and Visual Sciences of UNIFESP. He is the Coordinator of the Medical Residency Committee of Santo Amaro-Guarujá Hospital, Member of the Ethics Committee and former President of the Ophthalmology department of the Association of Physicians of Santos, current Paulista Association of Medicine-Santos. His main areas and performance include cataract surgery, refractive surgery, contact lenses and glaucoma. He is researching on adaptation of corneal contact lenses to irregular corneas and advancement and adaptation of scleral lenses.

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