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Contact lens fitting with special back surface to patients after penetrating keratoplasty and similar cases

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The fitting of RGP contact lenses provides a gain in visual acuity of the patient that presents irregularities in the cornea, but these irregularities, such as a fingerprint, are different for each individual, so that the standard trial sets cannot cover all cases. The purpose of the presentation is to show how changes on the test lenses can bring results for the patient.

Method: For example, when setting the refractive index for back surface toric lenses adjust the specific weight and change the asphericity.

Conclusion: It is possible to achieve a good fitting with hard work and some concepts. Use specific gravity and refraction index to go up or go down the contact lenses, use refraction index near to the tear index to minimize induced astigmatism and more or less asphericity to adjust the lens on the cornea.

Biography

Luiz Formentin has completed his graduation in Medicine from the University Lusíada Foundation (1983) and obtained the title of specialist by the Brazilian Council of Ophthalmology in 1994. Currently, he is working as an Ophthalmologist at Eye Clinic (Santos -SP), Ophthalmologist/Director of the Therapy Center and Diagnostic Ophthalmological (Santos -SP), Ophthalmology Service Head of the Holy Hospital Amaro (Guaruja -SP), Assistant at contact lens industry and refraction of the Institute of Vision/UNIFESP, President of the ethics committee of the Hospital Santo Amaro (Guaruja -SP) and former Chairman of the Ophthalmology department of APM Santos.

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