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Service (sector) Refraction and Contact lenses N° CEP

### **SCLERAL CONTACT LENSES: INITIAL EXPERIENCE**

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Purpose: to relate the initial experience in patients wearing escleral contact lenses. Methods: a retrospective study of 7 patients (total of 13 eyes) wearers of scleral contact lenses in the contact lenses sector of Escola Paulista de Medicina / Universidade Federal de São Paulo. The following dates were collected: age, gender, diagnosis, initial and final visual acuity, number of hours of daily uses, complications, complaints and patient's follow up. Results: we studied seven patients (total of 13 eyes) weares of escleral contact lenses, being 11 polymethylmethacrylate lenses and 2 rigid gas permeable lenses. From those, 6 patients had the diagnosis of keratoconus and one patient had been submitted to a radial keratotomy . In all of the eyes there was improvement of visual acuity. The mean´s follow up patients was of 8 meses. Conclusion: The uses of scleral contact lenses can be an option in the clinic of contact lenses, propitiating improvement of the visual acuity in patients submitted to refractive surgery or with primary corneal ectasia, while on waiting list for surgery and to be the conservative alternative of clinical treatment of the same ones.