

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo
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Service (sector) Cataract - Santa Casa de SPN° CEP

Ectopia lentis

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Fifty one eyes of 19 patients with simple *ectopia lentis* (SEL) and 9 with Marfan syndrome (MFS) were surgically treated for lens removal with the implantation of endocapsular ring and intraocular lens or, in cases of more advanced subluxation, with the implantation of intraocular lens with scleral fixation. The mean age of this group of patients was $15,98 \pm 8,55$ years. Surgical results were assessed in six postoperative visits carried out in different intervals during six months follow-up, and have evidenced significant improvement in the mean visual acuity with and without correction, when compared the pre and postoperative measures, in cases of SEL as well as in those of MFS. The best decrease of induced astigmatism occurred on the 60th postoperative day. The grade of lens subluxation have significantly influenced on the visual results, guiding as well the possibility of using the endocapsular ring, and causing vitreous loss in severe subluxation cases, which was equivalent to 9,8% in this series. Three complications (5,9%) were observed: two cases of secondary glaucoma and one case of lens decentralization that was fixed again. Other ocular and systemic findings are presented and discussed. From a personal questionnaire applied to the patients and/or their parents it was possible to know about their high rate of satisfaction with the surgical results. It is concluded, therefore, that the surgical intervention with the techniques employed in this study for managing lens out of place in cases of SEL and MFS is effective and recommended.