

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo PIBIC

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Service (sector)

Cataract

Nº CEP

**USE OF DIFFRACTIVE IOL ON YOUNG ADULTS CARRYING INBORN CATARACT
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PURPOSE: Describe the use of diffractive IOL on young adult patients carrying bilateral inborn cataract, aiming the reduction of dependency of near correction.

MATERIALS AND METHODS: We evaluated the use of diffractive intra-ocular lens on patient JKOL, 14 years of age, with family history of bilateral inborn cataract. Besides the patient, his father and brother also carry bilateral inborn cataract, having the same pattern of access to the crystalline. All patients were accompanied since 1998, being that JKOL have always presented stable vision of 20/40 J2 free from correction. For approximately one year, he presented progressive VA decrease, reaching vision of 20/80 to 20/100 free from correction. It was decided for the performance of cataract surgery on both eyes due to difficulties in fulfilling school work. On March 2007, the patient was subjected to facoemulsification + implant of diffractive IOL model SN60D3 (ALCON Labs) on both eyes by the same surgeon free from intercurrence. The patient was evaluated on 1,7,30 and 90 post operation, through a complete ophthalmologic exam which included: biomicroscopy, visual acuity with and free from correction, intra-ocular pressure and refraction.

RESULTS: VA free from correction was 20/30 and J3 under good conditions of lightness, what enabled the patient to have autonomy performing all daily activities, including school work. The better visual acuity with correction was 20/25 and J2 with refraction (RE + 0.25 DE - 0.75 DC @ 130 and LE + 0.50 DE - 0.75 DC @ 115).