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Last Name - Meire

First Name - Luci

Middle - Silva

Service (sector)

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Evaluation of Satisfaction and Quality of Vision in Patients with Multifocais IOLs

Luci Meire P. Silva, Ana Lúcia Ribeiro, Cristina Muccioli

Purpose: To evaluate the satisfaction of patients who received concomitant implantation of multifocal IOLs (Restor/Rezoom) as well as to evaluate the quality of vision through questionnaires.

Materials/Methods: Forty patients who received combined implantation of RESTOR LIO (model SA60D3) and REZOOM LIO (Model NXG1) were interviewed preoperative and postoperative (100 days after surgery of the second eye). It was used a questionnaire to evaluate the satisfaction of patients regarding their quality of vision and ability to perform daily activities.

Results: Mean age was 70.6 years (Range: 42 to 88). Gender 45% Female. Race 72,5% Caucasian, 12.5% Black and 5.0% Asian. The **pre-operative interview** showed: 31 (77%) can't read newspaper or could read with much difficulty; 12 (31%) can't cook/eat or could cook/eat with much difficulty; 33 (82%) can't recognize people or have much difficulty; 20 (50%) can't watch TV or have much difficult; 25 (62%) can't recognize street signs or have much difficult. The following patient's complains regarding quality of vision were observed: 25 (62%) presented glare/flare difficultly tolerated or incapacitating; 27 (67%) showed problems with night vision difficultly tolerated or incapacitating; 16 (40%) showed halos difficultly tolerated or incapacitating; 21 (52%) with blurred near vision difficultly tolerated or incapacitating; 27 (66%) with blurred far vision difficultly tolerated or incapacitating; 18 (45%) were not satisfied with the bilateral near vision; 20 (50%) were a little dissatisfied/moderately satisfied with bilateral near vision; 24 (59%) were not satisfied with the bilateral far vision and 13 (33%) were a little dissatisfied/moderately satisfied. In the **postoperative interview** the following were found: 35 (87%) read newspaper easily; 40 (100%) no difficulty to cook/eat; 37 (92%) no difficult to recognize people; 38 (95%) no difficult to watch TV; 39 (97%) no difficult to recognize street signs. We found the following about quality of vision: 11 (28%) no complain glare/flare; 28 (69%) presented glare/flare easily tolerated; 39 (97%) no problems with night vision or problem easily tolerated; 20 (50%) no observed halos; 19 (48%) complain halos easily tolerated; 37 (91%) no observed or easily tolerated blurred near

vision; 40 (100%) no observed or easily tolerated blurred far vision; 26 (65%) were completely/mostly satisfied with the bilateral near vision; 12 (30%) moderately satisfied with bilateral near vision; 34 (84%) were completely/mostly satisfied with the bilateral far vision and 5 (13%) moderately satisfied. After surgery only 2 (5%) patients wear reading glasses.

Conclusion: Combined multifocal IOLs implantation achieved good results regarding quality of vision as well as improve significantly the quality of life of patients.