| 2009 Research Days A | bstract Form – Department of Ophthalmology – UNIFESP/EPM |
|---|--|
| SCIENTIFIC SECTION PREFERENCE (REQUIRED): Review the Scientific Section Descriptions. | 100. FIRST (PRESENTING) AUTHOR (REQUIRED): Must be the author listed first in abstract body. |
| Select and enter the two-letter Code for the one (1) Section best suited to review your abstract. CA | (X) R1 () R2 () R3 () PIBIC () PG0 () PG1 () Fellow () Technician |
| 3. PRESENTATION PREFERENCE (REQUIRED) Check one: Paper Poster | Last Name: Gonçalves First Name: Fabiana Middle: da Fonte |
| ☐ FAST Paper | Service (Sector): Cataract |
| 4. The signature of the First (Presenting) Author (REQUIRED) acting as the authorized agent for all authors, hereby certifies that any research reported was | CEP Number: Not required |
| conducted in compliance with the Declaration of Helsinki and the 'UNIFESP Ethical Committee" | 5. ABSTRACT (REQUIRED): |
| | Title: CATARACT AND MICROCORNEA: A CASE SERIES IN A |
| | |
| Scientific Section Descriptions (two-letter code): | Author and Co-authors (maximum 6): Fabiana F. Gonçalves, Heloisa Nascimento, Frank César M. Santiago, Lincoln L. Freitas, Eduardo S Soriano. |
| (BE) OCULAR BIOENGINEERING (CO) CORNEA AND EXTERNAL DISEASE (CA) CATARACT (EF) ELECTROPHYSIOLOGY (EP) EPIDEMIOLOGY (EX) EXPERIMENTAL SURGERY | Purpose: The purpose of this research is to analyze these rare cases o cataract and microcornea in order to do a genetic orientation, choose the best treatment and give the visual prognosis. |
| (GL) GLAUCOMA (LA) LABORATORY (LS) LACRIMAL SYSTEM (LV) LOW VISION (NO) NEURO-OPHTHALMOLOGY (OR) ORBIT (PL) OCULAR PLASTIC SURGERY (PH) PHARMACOLOGY (RE) RETINA AND VITREOUS (RS) REFRACTIVE SURGERY | Methods: Five patients from the same family, first and second degree relatives, were seen in the cataract service of the São Paulo University o Medicine. They were submitted to clinical ophthalmic examination topography, ultrasonography, biometry and genetics evaluation. The description of the cases was based on data from medical records and clinical examination done by the authors. |
| (RX) REFRACTION-CONTACT LENSES (ST) STRABISMUS (TR) TRAUMA (TU) TUMORS AND PATHOLOGY (UV) UVEITIS (US) OCULAR ULTRASOUND | Results: All patients on the study had microcornea and a lamella congenital cataract, except one who had done cataract surgery on both eyes. The cornea diameter varied from 8 to 11mm, and it had a very high curvature showed by the cornea topography. Although they had microcornea, the ocular ultrasonography didn't show microphthalmia. In |
| Deadline: Oct 12, 2009 | addition, all of them, except one, had a nasal iris hypoplasia. The visual acuity was low in all patients, varying from 20/80 to counting fingers at 1m with pinhole. The phacoemulsification surgery was done in one of the patients, it increased his visual acuity in 2 lines and he referred improving visual quality. |
| FORMAT: Abstract should contain: Title Author, Co-authors (maximum 6), Purpose, Methods, Results, Conclusion. Poster guidelines: ARVO Abstract Book (1.10 x 1.70m) | Conclusion: This case series demonstrate a hereditary syndrome with a probably autosomal dominant inheritance. The combination of such ocula anomalies suggests a disorder affecting the anterior segment of eye development pathways. Although the surgery will probably improve the vision, the final result won't be very good, because of an amblyopic component. So it is important to explain the patient the visual prognosis and do a genetic orientation. |
| | Keywords: congenital cataract, microcornea |