2007 Research Days A	bstract Form – Department of Ophthalmology – UNIFESP/EPM	
2. SCIENTIFIC SECTION PREFERENCE (REQUIRED): Review the Scientific section Descriptions. Select and enter the two -letter Code for the one (1) Section best sullied to	1. FIRST (PRESENTING) AUTHOR (REQUIRED) Must be author listed first in body of abstract	
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3. PRESENTATION PREFERENCE (REQUIRED) Check one (1) (a) Paper	RamosCarolinado Val Ferreira	
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4. The signature of the First (Presenting) Author, (REQUIRED) acting as the authorized agent for all authors, hereby certifies.	Neuro-oftalmologia1352/05 Service (sector) Nº CEP	
That any research reported was conducted in compliance with the Declaration of Heisinki and the "U NIFESP Ethical Committee"	LARGE OPTIC DISCS MAY MAINTAIN MUTATION CARRIERS AS UNAFFECTED IN AN EXTENDED BRAZILIAN PEDIGREE WITH LEBER'S HEREDITARY OPTIC NEUROPATHY	
Carolina Ramos Signature of First	Carolina V.F. Ramos <sup>1</sup> , Piero Barboni <sup>2</sup> , Valerio Carelli <sup>3</sup> , Anna Maria De Negri <sup>4</sup> , Federico Sadun, Adriana Berezovsky <sup>1</sup> , Rafael W. Cinoto <sup>1</sup> , Rubens Belfort Jr <sup>1</sup> , Alfredo A. Sadun, Solange R. Salomäd <sup>1</sup> I Department of Ophthalmology, Federal University of São Paulo, UNIFESP, São Paulo, Brazil; 2 Fondazione G.B. Bietti <sup>1</sup> HCCS, Roma, Italy; 3 Dipartimento di Scienze	
Scientific Section Descriptions (OR) OBBIT (PI) OCULAR PLATEOS (PI) TETAGISMUS (II) STAGISMUS (II) STAGISMUS (II) STAGISMUS (III) STAGISMUS (IIII) STAGISMUS (IIII) STAGISMUS	<ul> <li>Neurologiche, Università di Bologna, Bologna, Italy, 4 Azienda San Camillo -Forlanini, Rome, Italy; 5 Ospedale San Giovani, Truoli, Italy. 6 Doheny Eye Institute, University of the Southern California, Los Angeles, CA, USA.</li> <li>Purpose: To investigate retinal nerve fiber layer thickness (RNFL) and optic nerve head (ONH) morphology in a large family from Brazil with Leber's hereditary optic neuropathy (LHON) carrying the 11778/ND4 mutation.</li> <li>Methods: We enrolled 139 in dividuals belonging to the previously reported Brazilian SOA-BR LHON pedigree, divided in the following subgroups: 13 LHON affected patients (LHON -affected), 48 LHON unaffected mutation carriers (LHON - carrier) and 78 controls (26 off maternal lineage spouses and 52 descendants of males who do not carry or inherit respectively the LHOM mutation). All individuals underwent optical coherence tomography (OCT) measurements including RNFL thickness and ONH analysis.</li> <li>Results: The RNFL thickness analysis showed a significant in rease in the temporal and inferior quadrants as well as in the 360° average in the LHON - carrier t.HON - affected had a drastic reduction of RNFL thickne measurements. ONH toporaphic analysis showed a significant in male LHON - carrier. LHON - affected had a drastic reduction of RNFL thickne</li> </ul>	
Deadline: 29/10/2007	area and vertical disc diameter in LHON - carrier compared to LHON -affected and controls, whereas LHON-affected did not show a statistical difference with controls. <b>Conclusions:</b> Our study confirms the previously reported pattern of RNFL changes	
FORMAT: Abstract should contain: Title, Name of Authors, Name of other authors (maximum 6), Purpose, Methods, Results, Conclusions. Example: ARVO (1.10 x 1.70) Abstract Book	in LHON. Further, we show that anatomical conformation of ONH may be an important determinant of disease penetrance, large optic discs being a putative protective factor. If these data, obtained in a single large family, are a general feature in LHON, the ONH investigation by OCT may have a prognostic significance for risk of being affected.	