2007 Research Days	Abstract Form – Dep	artment of Ophthalmology	– UNIFESP/EPM	
2. SCIENTIFIC SECTION PREFERENCE (REQUIRED): Review the Scientific section Descriptions. Select and enter the two -letter Cords for the one (1) Section best sullied to	1. FIRST (PRESENTING) AUTHOR (REQUIRED) Must be author listed first in body of abstract			
review your abstract	()R1 ()R2	() R3		
(RS) REFRACTIVE SURGERY	(X)PG0 ()PG1	() Estaglario () Techol	DGO ()PIBIC	
3. PRESENTATION PREFERENCE		_		
(REQUIRED) Check one (1) (a) Paper (b) Poster	Eontes Last Name	Bruno First	<u>Machado</u> . <i>Middle</i>	
	REFRACTIVE SURGE	REFRACTIVE SURGERY 0123/06		
 The signature of the First (Presenting) Author, (REQUIRED) acting as the authorized agent for all authors, hereby certifies. 	Service (sector)	Nº CE	r	
Fhat any research reported was conducted n compliance with the Declaration of Heisinki and the 'UNIFESP Ethical Committee"	Corneal biomecha	nics metrics assessment in he	althy Brazilian subjects	
	Bruno M. Fontes, Re	nato Ambrósio Jr, Ruiz S. Alonso, D Velarde, Walton Nosé	aniela Jardim, Guillermo C.	
Bruno M. Fontes	PURPOSE: To evaluate	corneal biomechanical metrics (corn	eal hysteresis-CH; and corneal	
Signature of First	resistance factor – CRI Ophthalmic Instruments	F), given by the Ocular Response And Depew, New York, USA) and to con	alyzer ([ORA], Reichert relate these new metrics with	
Scientific Section Descriptions	tomographic parameters	given by the Pentacam (Oculus Inc, '	Wetzlar, Germany), and	
(OR) ORBIT (PL) OCULAR PLASTIC SURGERY (RE) RETINA / VITREOUS (RX) REFRACTION-CONTACT LENSES (NO) NEURO-OPHTHALMOLOGY (TU) TUMORS AND PATHOLOGY	METHODS: Observatio (central K), central corne equivalent (SE), CH and	METHODS: Observational, cross-sectional study. Age, gender, central keratometric readings (central K), central corneal thickness (CCT), anterior chamber depth (AC depth), spherical equivalent (SE), CH and CRF were assessed and analyzed. Exclusion criteria were: less than 18 years old, any previous corneal or ocular surgery, any eye disease other than cataract, chronic and/or continuous use of topical medications, corneal scars and/or opacities, corneal irregular astigmatism, systemic collagen diseases and refuse to participate. RESULTS: One hundred and fifty consecutive patients (53 male, 97 female; total of 260 eyes) were enrolled. Mean age was 46,5-21.04 (range from 18 to 90 years old), average central K 43,59±1.54D (range from 38.1 to 46,75D), CCT 545.05±35.44µ (range from 454 to 640µ). AC depth .296-0.52mm (range from 1.34 to 4.69mm), SE - 1.16=3.48D (range from 454 to		
(ST) STRABISMUS (UV) UVEITIS (LS) LACRIMAL SYSTEM (LV) LOW VISION (CO) CORNEA / EXTERNAL DISEASE	chronic and/or continuou irregular astigmatism, sy			
(GL) GLAUCOMA (RS) REFRACTIVE SURGERY (CA) CATARACT (US) OCULAR ULTRASOUND (TR) TRAUMA (TR) TRAUMA	RESULTS: One hundred eyes) were enrolled. Mea central K 43.59±1.54D (640µ), AC depth 2.96±0			
(BE) OCULAR BIOENGINEERING (EP) EPIDEMIOLOGY (EF) ELECTROPHYSIOLOGY	19.75 to +9.5D), CH 10.17±1.82 (range from 3.23 to 14.58) and CRF 10.14±1.8 (r 5.45 to 15.1). Mean CRF and CH were distinct among gender: CRF 10.326 in won 9.810 in men (p=0.0266); CH 10.421 in women and 9.727 in men (p=0.0031). M negative correlation between both CRF and CH with age (r= -0.1255; p=0.043)			
	0.2445; p=0.0001, respective (r=0.0633 ; p=0.3086)	ctively). There was no association be ΔC dopth (r= 0.0474 ; p=0.4408) of	tween CRF and average central	
Deadline: 29/10/2007	$ \begin{array}{c} \text{K} (1-0.0053, p-0.000), \text{Re} (uepti) (1-0.074, p-0.473) (0.50, (1-0.1023, p-0.101), \text{CH}) \\ was not associated with age average central K (r=0.0572, p=0.3573), AC depth (r=0.0, 060; p=0.9236), or SE (r=0.0975; p=0.1253) as well. CRF and CH were positively associated$			
	with CCT (r=0.5760, p=	0 and r=0.4655, p=0, respectively).		
FORMAT: Abstract should contain: Title, Name of Authors, Name of other authors (maximum 6), Purpose, Methods, Results,	CONCLUSIONS: Corneal biomechanical metrics were determined in Brazilian healthy patients. The values were associated with CCT, gender and age. Corneal steepness, AC depth and SE did not affect CH and CRF values in the studied population.			
Example: ARVO (1.10 x 1.70) Abstract Book				