

**2007 Research Days Abstract 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 suited to review your abstract  
(CA)

3. PRESENTATION PREFERENCE (REQUIRED) Check one (1)  
(a) Paper  
(b) **Poster**

4. The signature of the First (Presenting) Author, (REQUIRED) acting as the authorized agent for all authors, hereby certifies.  
That any research reported was conducted in compliance with the Declaration of Helsinki and the UNIFESP Ethical Committee"

\_\_\_\_\_  
Signature of First

Scientific Section Descriptions  
(OR) ORBIT  
(PL) OCULAR PLASTIC SURGERY  
(RE) RETINA AND VITREOUS  
(RX) REFRACTION-CONTACT LENSES  
(NO) NEURO-OPHTHALMOLOGY  
(TU) TUMORS AND PATHOLOGY  
(ST) STRABISMUS  
(UV) UVEITIS  
(LS) LACRIMAL SYSTEM  
(LV) LOW VISION  
(CO) CORNEA AND EXTERNAL DISEASE  
(GL) GLAUCOMA  
(RS) REFRACTIVE SURGERY  
(CA) **CATARACT**  
(US) OCULAR ULTRASOUND  
(TR) TRALUMA  
(LA) LABORATORY  
(BE) OCULAR BIOENGINEERING  
(EP) EPIDEMIOLOGY  
(EF) ELECTROPHYSIOLOGY

Deadline: 29/10/2007

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

1. FIRST (PRESENTING) AUTHOR (REQUIRED)  
Must be author listed first in body of abstract  
  
(X) R1 ( ) R2 ( ) R3  
( ) PG0 ( ) PG1 ( ) Estagiário ( ) Tecnólogo ( ) PIBIC  
  
Sarraff Eduardo Pantaleão  
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Cataract 01724/07  
Service (sector) Nº CEP  
(Comitê de Ética em  
Pesquisa da Universidade  
Federal de São Paulo-  
UNIFESP)

5. ABSTRACT (REQUIRED)  
  
**Randomized comparison of the efficacy of cataract surgery using Ozil technology with miniflared vs tapered phaco microtips**  
Eduardo Pantaleão Sarraff, Fábio Henrique Casanova  
  
Purpose: To compare the outcomes after phacoemulsification performed with Ozil technology using two different Kelman phacotips: miniflared vs tapered microtip.  
Methods: Forty eyes underwent phacoemulsification using Ozil technology were divided in two groups: miniflared group (MF) and tapered microtip (TM). A control group (21 eyes) used Legacy system. All the surgeries were performed by the same surgeon and using the same technique (phaco chop). Best corrected visual acuity, surgery time, intraoperative phaco parameters, endothelial cell loss, pachymetry were evaluated at months 1, 3 and 6 after surgery.  
Results: Patients have been followed by 3 months. Final results are still pending.  
Conclusion: Preliminary results have shown that MF group presents higher intraop parameters, longer surgical time and induces greater cell loss in harder nucleus. Ozil technology is a safe, effective and predictable method for phacoemulsification. Kelman microtip seems to be the best option, especially in dense cataracts.