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LECTURES FROM NATIONAL AND INTERNATIONAL GUEST SPEAKERS

- Lecture 1-Relocation Medications for Dry Eye Syndrome & Ocular Surface Diseases-Eduardo Melani Rocha MD
 Lecture 2-Current Concepts in the Diagnosis and Management of Retinal Vasculitis – Quan Dong Nguyen, MD, MSc
 Lecture 3-Research Pathways to Evaluate a New Diagnostic Test in Glaucoma: The Example of Scanning Laser Polarimetry – Felipe Andrade Medeiros, MD
 Lecture 4-Investigating Glaucoma: Can a New Risk Calculator for Glaucoma Progression be Developed?–Felipe Andrade Medeiros, MD
 Lecture 5-Pharmacologic Therapy in Development for Uveitis and Ocular Inflammatory Diseases – Quan Dong Nguyen, MD, MSc
 Lecture 6–Stem Cells Transplantation – Michael Young MD, PhD

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- Oral and Poster Presentations
 (F) Fellow
 (GS) Graduate Student
 (PG) Post-Graduate Student
 (R) Resident

X RESEARCH DAYS 2008

Program

December 12th 2008 (Friday)

7:30AM **OPENING REMARKS** – *Ana Luisa Höfling-Lima, Denise de Freitas and Mauricio Maia*

PAPER PRESENTATION – SESSION 1

Refractive Surgery (4)

Moderators: Mauro S. Q. Campos and Paulo Schor

7:45AM Evaluation of the impact of intracorneal ring segments implantation on quality of life of patients with keratoconus using the NEI-RQL (National Eye Institute Refractive Error Quality of life) instrument – Juliane de Freitas Santos Paranhos (PG-D)

8:00AM Adenovirus subepithelial infiltrates treatment results assessed by Pentacan and Galilei – Renata Tiemi Kashiwabuchi (PG-D)

8:15AM One-year outcome of a bilateral randomized prospective clinical trial comparing photorefractive keratectomy with mitomycin C and Lasik – Anelise Dutra Wallau (PG-D)

8.30AM Automated lamellar keratectomy in patients with bullous keratopathy – Eliana Domingues Gonçalves (PG-D)

8:45h LECTURE 1: Repositioning Medications for Dry Eye Syndrome & Ocular Surface Diseases. – Eduardo Melani Rocha, MD

Cornea and External Diseases (6)

Moderators: Élcio H. Sato, Luciene B. Souza and Jose Alvaro P. Gomes

9:05AM Histopathological study of corneal graft failure correlated with time – Leonardo Noleto Negry Santos (PG-D)

9:20AM Comparison among scleral, corneal and amniotic membrane grafts to restore scleral, thinning secondary to pterygium surgery with betatherapy – Charles Costa Farias (PG-D)

9:35AM “In Vitro” Corneal epithelial toxicity and lytic activity of antimicrobial peptides on *Acanthamoeba castellanii* – Rogerio Silva do Sacramento (PG-D)

9:50AM Epidemiological and clinical features in a group of patients with Sjogren syndrome – Sergio Felderg (PG-D)

10:05AM Amniotic membrane associated with conjunctival autograft vs. conjunctival autograft for recurrent pterygia – Jose Bonifacio Barbosa Jr. (PG-D)

10.20AM Growth factors and ultra-structural analysis in fresh and preserved amniotic membrane – Mario Genilhu Bomfim Pereira (PG-D)

10:35AM **COFFEE BREAK**

Electrophysiology (1) Uveitis (2) and Strabismus (1)

Moderators: *Solange R. Salomao, Adriana Berezovsky and Cristina Mucioli*

10.55AM Follow-up of visually evoked potential in non-affected carriers from an extensive Brazilian Leber Hereditary Optic Neuropathy pedigree – Paula Yuri Sacai (PG-M)

11.10AM Corneal specular microscopy in infectious and noninfectious uveites – Filipe Oliveira (PG-D)

11.25AM To assess the prevalence and causes of visual impairment in low-income school-age children in Brazil – Celia Regina Nakanami (PG-D)

11.40AM Twenty-five gauge vitrectomy in patients with uveites – Tiago Eugenio Faria Arantes (PG-D)

11:55h LECTURE 2: Current Concepts in the Diagnosis and Management of Retinal Vasculitis – Quan Dong Nguyen, MD, MSc

12:10PM **LUNCH**

12:40PM **POSTER PRESENTATION - SESSION 1**
Cornea and External Diseases (16) and Refractive Surgery (6)

PAPER PRESENTATION – SESSION 2
Glaucoma (3) and Laboratory (1)

Moderators: Augusto Paranhos Jr., Paulo Augusto A. Mello and Denise de Freitas

2:10PM *In vitro* Activity of *S.nitrosothiols* Against trophozoite of *Acanthamoeba castellanii* – Angelino Julio Cariello (PG-D)

2:25PM Influence of age, race and corneal properties on intraocular pressure by Goldmann, Ocular Response and Pascal tonometers – Larissa Marimoto Doi (PG-D)

2:40PM B mode (10MHZ and 20MHZ) ultrasonography in detecting evidence optical cup disk and optic nerve parameters measured by OCT and HRT on its diagnostic ability – Liliana Maria Alves Bastos Cruz (PG-D)

2:55PM Ocular surface changes in glaucoma patients treated with fixed combinations of prostaglandins/timolol. 0,5% - Heloisa Helena Abil Russ (PG-D)

3:10PM LECTURE 3: Research Pathways to evaluate a New Diagnostic Test in Glaucoma: The example of Scanning Laser Polarimetry. – Felipe Andrade Medeiros,MD

3:30PM **COFFEE BREAK**

Epidemiology (3)

Moderators: Marinho J Scarpi and Adriana Berezovsky

3:50PM Prevalence and outcomes of cataract surgery in Brazil: The Sao Paulo Eye Study – Francisco Seixas Soares (PG-D)

4:05PM Ocular Findings in Thirty-seven centenarians patients – Marcela Colussi Cypel (PG-D)

4:20PM Intraocular pressure variation after sub maximal strength test – Marcelo Conte (PG-D)

4:35PM POSTER PRESENTATION - SESSION 2

Glaucoma (6), Trauma (4), Orbit (1), Epidemiology (4), Refraction, Contact Lens (2) and Retina and Vitreous I (1)

6.00PM END OF SESSION

December 13th 2008 - Saturday

PAPER PRESENTATION – SESSION 3

Cataract (2), Tumors and Pathology (2) and Ocular Bioengineering (1)

Moderators: Eduardo S. Soriano, Maria Cristina Martins, Norma Allemann and Paulo Schor

Cataract (2)

8:00AM Implementation of Palmas-Tocantins general hospital service of ophthalmology – Samantha Lustoza Marques de Souza (PG-D)

8:15AM Stratified analysis of spatial perception of residents during stereoscopic video projections of cataract surgeries – Jonathan Clive Lake (PG-D)

8:30AM LECTURE 4: Investigating Glaucoma: Can a new risk calculator for glaucoma progression be developed? – Felipe Andrade Medeiros, MD

Tumors and Pathology (2)

8:50AM The role of NF-kB and bortezomib in uveal melanoma – Katyanne Dantas Godeiro (PG-D)

9:05AM Expression of C-kit in retinoblastoma: a potential therapeutic target – Leticia Rielo de Moura Santos (PG-D)

Ocular Bioengineering (1)

9:20AM Visual Acuity measurement with psychophysical tests: study development and standardization of new method and digital equipment – Airton Leite Kronbauer (PG-D)

9.35AM Vitreous dynamics – Octaviano Magalhaes Junior (PG-D)

9:50AM LECTURE 5: Pharmacologic Therapy in Development for Uveitis and Ocular Inflammatory Diseases – Quan Dong Nguyen, MD, MSc

10:10AM **COFFEE BREAK**

10:30AM **POSTER PRESENTATION - SESSION 3**

Cataract (3), Tumors and Pathology (6) and Uveitis (1)

12.00PM LUNCH

PAPER PRESENTATION – SESSION 4

Retina and Vitreous (12)

Moderators: Michel Eid Farah, Juliana Sallum and Nilva Moraes

12:30PM *In vitro* toxicity, neovascular inhibition and *in vivo* ocular toxicity of Sunitinib Maletae – Eduardo Dib (PG-D)

12:45PM Morphological changes and visual functional correlation in age-related macular degeneration – Andrea Lima Barbosa (PG-D)

1:00PM Infliximab treatment reduces angiogenesis in choroidal neovascularization in animal model. Correlation with the glycosaminoglycans expression – Caio Vinicius Saito Regatieri (PG-D)

1:15PM Staining affinity to intraocular membranes of new dyes for ocular surgery – Eduardo Buchele Rodrigues (PG-D)

1:30PM Prognostic factors in central serous chorioretinopathy – Fabio Bom Aggio (PG-D)

1:45PM Biochemical analysis of Indocyanine green and Infracyanine green: pH, ions, osmolarity, precipitation and decomposition products, in relation to solvents, dye concentration, and light exposure – Fernando Marcondes Penha (PG-D)

2:00PM Toxicity on intravitreal injection of infliximab in primates – Gustavo Barreto Melo (PG-D)

2:15PM LECTURE 6: Stem cells Transplantation – Michael Young MD, PhD

2:40PM COFFE BREAK

3:10PM The Importance of calretinin in the detection of early abnormalities of the sensory retina in hypercholesterolemia rabbit model – Rogil Jose de Almeida Torres (PG-D)

3:25PM Effects of copaxone in the nerve fiber layer thickness and retinal function in diabetic patients after panretinal photocoagulation, a double-masked randomized clinical trial – Somaia Mitne (PG-D)

3:40PM Correlation between anatomical and psychophysics findings in: diabetic macular edema – Aline do Lago Coutinho (PG-D)

**3:55PM POSTER PRESENTATION - SESSION 4
Retina and Vitreous II (14)**

5:25PM EVALUATION OF BEST PAPERS AND POSTERS BY THE SCIENTIFIC COMMITTEE – Augusto Paranhos Jr., Cristina Mucioli, Luciene Barbosa, Mauro S. Queiroz Campos, Michel Eid Farah and Wallace Chamon

5:45PM FINAL REMARKS AND AWARDS ANNOUNCEMENT – *Wallace Chamon, Mauro S.Q. Campos, José Alvaro P. Gomes, Paulo Schor and Mauricio Maia.*

POSTER - SESSION 1

Cornea and External Diseases (16)

1. Microbiological profile of infections keratitis associated with acanthamoeba keratitis – Juliana Ferreira Camargo (R)
2. Treatment of late spontaneous descemet's membrane detachment after penetrating keratoplasty with intracameral C3F8 – Leonardo de Araujo Jorge Fogaça (R)
3. Improvement of the quality control of the eye bank of Hospital Sao Paulo (UNIFESP) through the development of a support for the donor ocular globe evaluation in the slit lamp – Luis Gustavo Biteli (R)
4. Evaluation of the safety and effectiveness of the collagen crosslinking with Riboflavin and ultraviolet-a light in progressive mild and moderate keratoconus – Patricia Cabral Zacharias Serapicos (R)
5. Human Conjunctival Epithelial Cells cultivated ex vivo on Amniotic Membrane - Paulo Caldas Silber (PG-M)
6. Isolation of a multipotent stem cell from human limbus – Priscila Cardoso Cristovam (Tecn.)
7. Comparison of different culture media for limbal epithelial cells cultivated ex vivo – Renata Ruoco Loureiro (PIBIC)
8. The efficacy of topical antibiotics in reducing conjunctival microbiota of Healthy Patient – Renato Souza Oliveira (PG)
9. Effects of Topical Human Amniotic Fluid and Human Serum in a Mouse Model of Keratoconjunctivitis Sicca – Guilherme Goulart Quinto (PG)
10. Isolation and migration pattern of cultured human corneal endothelial cells – Gustavo Teixeira Grottone (PG)
11. Damage of endothelium in current techniques of donor insertion in DSAER surgery – lasser Umar Dib (PG)
12. Factors associated with quality of donated corneas – Flavio E. Hirai (PG)
13. Contact lens-associated microbial keratitis – Aline Silveira Moriyama (R)
14. Pterigium surgery with conjunctival autograft: Comparison of fibrin glue, 2-OCTYL Cyanoacrylate and suture – Cecilia Sales Pires (PG)
15. Impression Cytology Findings in Bullous Keratopathy – Fabiana dos Santos Paris (PG)
16. Subconjunctival miconazole injection and amphotericin B washing of the anterior chamber in the management of keratomycosis – cornea and external disease – Tarcisio Batista (R)

Refractive Surgery (5)

17. Role of corneal density on the measurement of central corneal thickness by Scheimplug analyzers – Rossen Mihaylov Hazarbassanov (Est.)
18. Anterior chamber depth and IOL position in pseudophakic patient during accommodation in different postoperative time point – Cristina Lilian Espirito Santo (R)
19. Association between keratoconus and central serous chorioretinopathy – Luis Felipe Brenner (R)
20. Ocular and surgical procedures characteristics of the patients who developed DLK after lasik – Bruna Andrade Nascimento (R)
21. Biomechanical and tomographic analysis of unilateral keratoconus – Bruno Machado Fontes (PG-D)

Ocular Plastic Surgery (8)

- 22. Effects of Botox versus prosigne in patients with blepharospasm and hemifacial spasm – Carolina Isolani Pereira (R)
- 23. Ptosis Evaluation following Cataract Surgery – Danielle Lumi Miura (R)
- 24. Corneal astigmatism analysis in patients with hemifacial spasm after botulinum toxin injections – Fernanda Castro Oliveira (R)
- 25. Self-esteem assessment in patients submitted to lower eyelid blepharoplasty – Giovanni Andre P. Viana (PG)
- 26. Evaluation of intraocular pressure values before and after botulinum toxin type a treatment in facial dystonia patients – Sidarta Keizo Hossaka (R)
- 27. Salivar Gland graft to treat severe symblepharon and dry eye in patients with Stevens-Johnson Syndrome – Ana Estela Besteti Pires Ponce Sant'Anna
- 28. Temporary management of involuntional entropion with application of octyl-2-cyanoacrylate liquid bandage (band-aid liquid) – Teissy Hentona Osaki (R)
- 29. Cianoacrilate and convencional suture in blepharoplasty: a comparative study – Simone Akik Nakayama (R)

POSTER - SESSION 2

Retina and Vitreos I (1)

- 30. Effects of Renin-angiotensin system inhibition in a new experimental model of type 2 diabetes and its retinal heparin sulfate proteoglycans expression – Juliana Mantovani Bottos (Est.)

Glaucoma (6)

- 31. The best way to inform to the mothers of children with developmental Glaucoma about this disease – Carla Ferracina (PG)
- 32. Optic nerve head changes in patients with heart failure – Daniel Meira Freitas (R)
- 33. Learning effect of standard automated perimetry in healthy individuals – Dinorah P. Engel Castro (PG)
- 34. Anterior chamber depth during hemodialysis – Francisco Rosa Stefanini (R)
- 35. Outcomes of silicone and polypropylene Ahmed glaucoma implants in combined ophthalmic surgeries – Maria Vitoria Moura Brasil (PG)
- 36. Time-Domain and Fourier-Domain Optical Coherence Tomography: Reproducibility of the peripapillary retinal nerve fiber layer thickness measurement – Bruno Diniz (R)

Trauma (4)

- 37. Clinical and epidemiological evaluation of the ocular trauma in the elderly – Andre Rodrigues de Castro (R)
- 38. Individual economic burden of viral conjunctivitis: analysis of patients from a tertiary ophthalmic center in São Paulo, Brazil – Claudia Asperti Ottaiano (R)
- 39. Ocular trauma-related amaurosis – Cristina Miyamoto (R)
- 40. Validation of the Ocular Trauma Score in a Brazilian Tertiary Ophthalmic Center – Pilar de Andrade Memoria Moreno (R)

Orbit (1)

- 41. Assessing Grave's Ophthalmopathy by hyaluronan (hyaluronic acid) measurement in the tear – Paulo Gois Manso (PG)

Epidemiology (4)

- 42.Prevalence of adenovirus keratoconjunctivitis and association with environment conditions – Rodrigo Viana Pozo (R)
- 43.Resolutibility of a secondary ophthalmology center – Cassia Funchal (Tecn.)
- 44.Infant Blindness: Is there something that we can do? - Heloisa Moraes do Nascimento (R)
- 45.Socio-economic profile, professional motivations and expectations of ophthalmology residents and ophthalmology specialization students – Lucas Monferrari Monteiro Vianna (R)

Refraction-Contact Lenses (2)

- 46.Technological validation of CT 2000 Topography system guided dream lens orthokeratology – Daniela Coneglian Brocchetto (PG)
- 47.Satisfaction of patients wearing spectacles – 1 year retrospective study – Nuno Ferreira (R)

POSTERS

December 13th, Saturday

POSTER - SESSION 3

Cataract (3)

48. Finger index – New clinical index predictor of the safety of periocular blocks – Renato Magalhaes Passos (R)
49. Surgical performance and postoperative outcomes comparing cold and warm Discovisc (Sodium Chondroitin Sulfate/Sodium Hyaluronate) – Carlos Alexandre de Amorim Garcia Filho (R)
50. Change in the quality of visual function after cataract surgery – Bruno Konno (R)

Tumors and Pathology (6)

51. Local recurrences and systemic metastasis in patients treated for conjunctival malignant melanoma – Juliana Ribeiro Rodrigues (Est.)
52. The use of 1% Toluidine Blue in the diagnosis of ocular surface squamous neoplasia – Ivana Lopes Romero (Est.)
53. Agreement between impression cytology and histopathological diagnosis of epithelial lesions in clinical pterygia – Milton Nunes de Moraes Filho
54. Incidence of epithelial dysplasia in pterygium – Patricia Rusa Pereira (PG)
55. Retinoblastoma: time elapsed between first sign and treatment – Simone Ribeiro A. de Almeida (PG)
56. Review of retinoblastoma cases in a referral service – Eduardo Pantaleao Sarraff (R)

Uveitis (1)

57. Intravitreal triamcinolone acetate after phacoemulsification in patients with non infectious uveitis – Janaina Saraceno (PG)

POSTER - SESSION 4

Retina and Vitreous II (15)

58. Epiretinal Prostheses to artificial vision study – Douglas Yanai (PG)
59. Effects of pH, osmolarity and temperature on apoptosis and toxicity in retinal cells: an *in vitro* study – Elaine de Paula Fiod Costa (R)
60. Micropulse diode laser treatment for chronic central serous chorioretinopathy – Fernanda Pedreira Magalhaes (R2)
61. The Intrector ®: A new device for retinal pharmacotherapy – Flavio Cotait Kara Jose (Est.)
62. Incidence, treatment and outcomes of retinopathy of prematurity at Hospital de Clinicas de Porto Alegre, Brazil: a prospective cohort study among very low birth weight preterm babies – Gabriela Unchalo Eckert (PG)
63. Intravitreal Bevacizumab (Avastin) and triamcinolone acetate in the treatment of proliferative diabetic retinopathy: One year follow up – Hermelindo Lopes de Oliveira Neto (PG)
64. Acute toxicity of retinal and subretinal tissues to various dosages of focal selective radiation – Juliana Vendramini Rossi (PG)
65. Autofluorescence in central serous chorioretinopathy – Luiz Roisman (R)
66. Mechanisms of hemorrhage after anti-VEGF therapy in ophthalmology – Marcelo Hosoume (R)

67. Theoretical analysis between overlap of light sources for vitrectomy and absorbance of different retinal cells – Nahium Mohamad Ali Geha (R)
68. Histopathologic evaluation of angled and straight sclerotomy sites with 25-gauge and 23-gauge transconjunctival sutureless vitrectomy systems – Oswaldo Ferreira Moura Brasil (PG)
69. Development and preliminary results of a chromatic illumination system for indirect ophthalmoscopes – Thiago Bellini Oliveira (R)
70. Intravitreal injection of Bevacizumab versus Triamcinolone for the treatment of diabetic macular edema – Wanessa Furtado Carneiro (R)
71. A new dual port cutter system for vitrectomy surgery – Luiz Henrique Lima (PG-D)
72. Phase I/II Study of Intravitreal Triamcinolone Acetonide Microspheres for Treatment of Diffuse Diabetic Macular Edema Unresponsive to Conventional Laser Photocoagulation Treatment – Daniel Lavinsky (R)

Clinical Trials (1)

73. Evaluation of informed consent used in clinical trials sponsored by pharmaceutical industries: Ethical, Legal and Social Aspects – Luci Meire Silva (PG)

Abstract not evaluated by Scientific Committee. (6)

74. Comparison of optic nerve head compliance and corneal biomechanics between diabetic and non-diabetic glaucomatous patients - Tiago Santos Prata (PG) – Glaucoma
75. A new provocative test for glaucoma – Fabio Kanadani (PG)
76. Licia Cristina Vago Matieli - PG1 - Orientador Denise de Freitas
77. Beogival Wagner Lucas Santos - PG0 - Orientador Mauro Campos
78. Marco Antonio Rey de Faria - PG0 - Orientador: Paulo Augusto
79. VEGF is involved in bFGF-induced corneal neovascularization – Hailton Barreiros Oliveira (PG)

<p>Est. = Fellow</p> <p>PG = Post-Graduate Student (Master or Doctorship in Ophthalmology or Visual Science)</p> <p>G = Graduate Student</p> <p>R = Resident</p> <p>M = Master degree</p> <p>D = Doctor degree</p>
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