

## POSTERS AT ACADEMY 2008 ANAHEIM

Wed., October 22, 2008

2:00 PM 4 hours

Room 204A-C

POS-01

Posters (with authors)

Authors of ODD numbered posters present from 2:00 - 4:00pm

Authors of EVEN numbered posters present from 4:00 - 6:00pm

Topics:

Boards 2-13

Pediatrics

Boards 15-36

Binocular Vision

Boards 38-60

Hydrogel Contact Lenses: Materials/Lenses

Boards 62-71

Hydrogel Contact Lenses: Solutions

Boards 73-82

Hydrogel Contact Lenses: Cornea/Prescribing

Boards 84-87

Hydrogel Contact Lenses: Visual Acuity Testing, etc.

Boards 89-94

Gas Permeable Contact Lenses: Clinical Case Reports

Boards 96-101

Gas Permeable Contact Lenses: Orthokeratology

Boards 103-112

Optometric Education

Boards 116-132

Academy Information

**2 Visual Acuity Measured by the Optec 2000 Vision Screener VS. the ETDRS Chart in School Age Children**, Justin B. Smith, OD; Bruce Moore, OD; Stacy Lyons, OD, FAAO; Nicole Quinn, OD; New England College of Optometry

**3 Comparison of Results of Visual Acuity Testing at 5 Feet to 10 Feet in 4-6 Year Olds Children Using the Lea Symbols and HOTV Charts**, Sandra S. Block, OD, MEd, FAAO, FCOVD, Melissa Zarn; Lindsay Sicks, Illinois College of Optometry

**4 Comparing Treatment Outcomes in Myopic, Hyperopic, and Astigmatic Anisometropic Amblyopia**, Jamie Ho, Mai Luu, Yi Pang, PhD, OD, Illinois College of Optometry

**5 Pseudo-Orthotropia Versus Pseudotropia**, Ali Mirzajani, PhD, Fahimeh Modaresi; Iran University of Medical Sciences

**6 Retrospective Study of Clinical Measures of Form Perception**, Kristine Huang, OD, FAAO, Michael W. Rouse, OD, MS, FAAO, Eric Borsting, OD, MS, FAAO, Southern California College of Optometry; Andrew Nguyen, PhD

**7 Differences in Magnitude of Astigmatism Among Spanish Speaking Children in Brooklyn, New York**, Meredith Walburg, OD, Thuy-Hien Nguyen, OD, Cristina M. Llerena, OD; State University of New York

**8 Sensitivity and Specificity of Vision Screening Tests Among School Children in Mashhad, Iran: The Mashhad Eye Study**, Hadi Ostadimoghaddam, PhD, Abbas Ali Yekta, PhD, FAAO,

FIACLE, M. Khabazkhoob, MSc, Javad Heravian, PhD, A. Moradi, MSc; Mashhad University of Medical Sciences

**9 An Analysis of Spectacle Prescribing Habits for Infants and Preschoolers: The Pacific Pediatric Prescribing Pattern (P4) Study**, Lorne Yudcovitch, OD, MS, FAAO, Pacific University; Paula Handford, Jenna Lighthizer, John Hayes, PhD; Pacific University

**10 Accommodative Spasm in Siblings: A Unique Finding**, Robert P. Rutstein, OD, MS, FAAO, University of Alabama at Birmingham

**11 Bilateral Buried Optic Nerve Head Drusen in Patients with Down Syndrome: A Case Series**, Emma Vicuna, OD, Suzanne Wickum, OD, FAAO; Debra Currie, OD; University of Houston

**12 Management of Bilateral Congenital Cataracts in a Large Jewish Family of Seventeen Members**, Thuy-Hien T. Nguyen, OD, Meredith Walburg, OD, Marilyn Vricella, OD; State University of New York

**13 Change of Fovea Thickness in a Patient with Anisometropic Myopic Amblyopia**, Yi Pang, PhD OD, Sandra S. Block, OD, MEd, FAAO, FCOVD, Christine L. Allison, OD, FAAO, FCOVD, Illinois College of Optometry

**15 A New Random-Dot Stereopsis Test**, Rocco Robilotto, OD, PhD, FAAO, George A. Zikos, Samantha Slotnick, OD, FAAO, Arkady Selenow, Steven Ali, OD, Institute for Vision Research, MVA

**16 Prism Adaptation During Distance Heterophoria Measurement with the Howell Card**, Andrew K.C. Lam, PhD, FAAO, Winnie Chan, BSc(Hons), The Hong Kong Polytechnic University; David Ng, Chi-wai Ling, BSc(HONS)

**17 An Unexpected Trend in a Retrospective Analysis of Prism Adaptation in a Hyperphoric Population**, Bernard I. Sparks, MS, OD, FAAO, Southern College of Optometry

**18 Comparison Between Anisometropic and Strabismic Amblyopia Using the Pattern Visual Evoked Potential**, Javad Heravian, PhD, A.A. Yekta H. Ostadimoghaddam, Mashhad University of Medical Sciences

**19 The Effect of Prism-Induced Horizontal Heterophoria on the Binocular Visual Evoked Potential (BVEP)**, Ali Mirzajani, PhD, Iran University of Medical Sciences; Fahimeh Modaresi, Iran University of Medical Sciences

**20 Stability of Vergence Adaptation**, PremNandhini Satgunam, BS(Opt), PhD, Schepens Eye Research Institute; Nick Fogt, OD, PhD, Ohio State University

**21 Evaluation of Fixation Disparity Curve Parameters with the Wesson Fixation Disparity Card and the Mallett Unit in Symptomatic and Asymptomatic Groups**, Abbas Ali Yekta,

PhD, FAAO, FIACLE, H.Momeni J.Heravian H.Ostadimoghaddam H.Esmalee, Mashhad University of Medical Sciences

**22 Associated Phoria of Decompensated Exophoric Hong Kong-Chinese Eyes Using Central Fusion Fixation Target: A Pilot Study**, Kwok Hei Mok, BScOptom, MPhil, PhD (HKU), FAAO, FVCO, Eye'NI Optometry Clinic

**23 Investigation of Pattern Glare and Visual Stress**, Michelle J. Buckland, OD; Marjean Kulp, OD, MS; G. Mitchell; Andrew J. Toole, OD, PhD; Michael J. Earley, OD, FAAO, Ohio State University

**24 Measuring Near Induced Transient Myopia in College Students with Visual Discomfort**, Eric Borsting, OD, MS, FAAO, Southern California College of Optometry; Chinatsu M. Tosha, MA, Claremont Mc Kenna College; Christopher Chase, PhD, Claremont Mc Kenna College; Lawrence R. Stark, BAppSc(Optom)(Hons), PhD, FAAO, Southern California College of Optometry; William H. Ridder, OD, PhD, FAAO, Southern California College of Optometry

**25 Factors Predicting Base-in Prism Treatment Outcomes in Presbyopes with Convergence Insufficiency**, Bruce A. Teitelbaum, OD, FAAO; Yi Pang, PhD, OD, Illinois College of Optometry; Joseph Krall

**26 The Effect of Attention on the Developmental Eye Movement Test**, Carmen N. Barnhardt, OD, MS, FAAO, FCOVD, Kristine Huang, OD, FAAO, Michael W. Rouse, OD, MS, FAAO; Lindsay Look, OD, Melissa Samuelson, OD, Southern California College of Optometry

**27 Comparison of Subjective Accommodative Amplitude Methods-Push Up 1st Blur, Push Up Sustained Blur & Push Down**, Lynn F. Marran, PhD, OD, FAAO, Vision Science Consulting; George Lau, OD, FAAO, Visiogen Inc; Luis Vargas, MD, Visiogen Inc; Andrew Nguyen, PhD, California State University

**28 Accommodative Training to Reduce NITM in Asymptomatic Myopic Young-Adults**, Kenneth J. Ciuffreda, OD, PhD, FAAO, State University of New York; Balamurali Vasudevan, BSOptom, MS, Vistakon; Diana Ludlam, State University of New York

**29 The Effects of Separation and Positional Accuracy on the Magnitude of Binocular Capture**, Avesh Raghunandan, BOptom, MS, OD, PhD, Robert S. Buckingham, OD, FAAO; Michigan College of Optometry

**30 The Evaluation of the Minimal Angle of Horizontal Strabismus Detectable by School Age Children in Their Peers**, Geoffrey W. Goodfellow, OD,FAAO, Aaron Werner, Kara Kremer, Scott Collings; Illinois College of Optometry

**31 Use of Vision Correction in Kayakers with Consideration of Conditions in Water Sports**, Heike Hadrich, Dipl-Ing(FH), CIBA Vision Corporation; Graham B. Erickson, OD, FAAO, FCOVD, Pacific University

**32 Mild Traumatic Brain Injury and Visual Function in Military Personnel**, Karen Brahm, Gregory L. Goodrich, PhD, FAAO, Heidi M. Wilgenburg, Kirby Jennine, OD; VA Palo Alto Healthcare System, Judith Babcock-Parziale, PhD, Timothy I. Messer, OD, FAAO, Carla B. Engelke, OD, FAAO; Southern Arizona VA Healthcare System

**33 Change of Depth Perception Performance in the Professional Athletes with Refractive Correction: Case Reports**, Yi Tong, BSc(HONS)Optometry, Vincent S. Ng, PhD, FAAO; The Hong Kong Polytechnic University

**34 Treatment of Convergence Insufficiency Post-Traumatic Brain Injury: A Case Report**, Lisa Edwards, OD, Michael W. Rouse, OD, MS, FAAO; Southern California College of Optometry

**35 Optometric Vision Therapy in Management of Monocular Elevation Deficit: A Case Report**, Hadassa Rutman, OD, M.H. Esther Han, OD, Thuy-Hien Nguyen, OD; State University of New York

**36 Epiretinal Membrane Leading to Acquired Hyperdeviation**, Pia Hoenig, OD, MA, FAAO, Jenny Yuen; University of California Berkeley

**38 A Silicone-Hydrogel of Modulus 1.1 MPA: Oxygen-Related Observations**, John Stehulak, OD, MS, Barbara A. Fink, OD, PhD, G. Lynn Mitchell, MAS, Richard M. Hill, PHD, OD, FAAO; Ohio State University

**39 Hypertransmissibility and Hyperpermeability: Definitions Updated!**, William J. Benjamin, OD, MS, PhD, FAAO, University of Alabama at Birmingham; John Stehulak, OD, MS, Ohio State University

**40 Comfort Comparison of Various Silicone Hydrogel Lenses**, Sameena Haque-Khan, PhD, BSc (Hons), MCOptom, FAAO, Priya Janakiraman, OD, Peter D. Bergenske, OD, FAAO; CIBA Vision Corporation

**41 First-Fit-Success in Multifocal Contact-Lenses**, Stephan Wolfgang Degle, Dr, MSc, Dipl-Ing(FH), Dipl-Kfm (Univ), Private Practitioner; Andrea Peters, Private Practitioner; Dietmar Kuemmel, University of Applied Sciences Aalen; Stefan Facher, Private Practitioner

**42 Comparing the Performance of Air Optix™ Aqua and Purevision® 8.3**, Sameena Haque-Khan, PhD, BSc (Hons), MCOptom, FAAO, CIBA Vision Corporation; Wilson W. Movic, OD, FAAO, Private Practitioner; Scott Schachter, OD, Private Practitioner; Norman Becker, Dipl-Ing (FH), CIBA Vision Corporation

**43 Establishing an Optimal Replacement Cycle for Acuvue Oasys Lenses in Dry Eye Patients**, Karen Perekalsky, OD, Ralph E. Gundel, OD, FAAO; State University of New York

**44 Rotational Characteristics of Air Optix for Astigmatism Contact Lenses**, Neil A. Pence, OD, FAAO, Indiana University; Susan Kovacich, OD, FAAO, Indiana University; Nina Sera, OD, Indiana University

**45 Short-Term Overnight Study with Selenium Antibacterial Silicone Hydrogel Contact Lenses**, Jerome Ozkan, BOptom, Hua Zhu, PhD, Mark Willcox, PhD; Institute for Eye Research

**46 Microscopic Observation of Unworn Hydrogel Contact Lens Surfaces Using White Light Optical Profiling**, Maria Jesus Giraldez, OD, MSc, Universidad de Santiago de Compostela; Eva Yebra-Pimentel, OD, PhD, Universidad de Santiago de Compostela; Carlos Garcia-Resua, OD, MSc, Universidad de Santiago de Compostela; Madalena Lira, OD, PhD, Universidade do Minho

**47 Contact Lenses Surface Topography Analysis by Atomic Force Microscopy: Ra, Rq, Kurtosis and Skewness**, Maria Jesus Giraldez, OD, MSc, Universidad de Santiago de Compostela; Eva Yebra-Pimentel, OD, PhD, Universidad de Santiago de Compostela; Carlos Garcia-Resua, OD, MSc, Universidad de Santiago de Compostela; Madalena Lira, OD, PhD, Universidade do Minho

**48 Clinical Evaluation of an Upgraded Silicone Hydrogel Contact Lens During Extended Wear**, Carol Lakkis, BScOptom, PhD, PGCertOcTher, FAAO, FVCO, Jared Slater, BOptom, Clinical Vision Research Australia

**49 Increasing Comfort for Wearers Who Experience Discomfort or Dryness**, David T. Wakabayashi, OD, FAAO, Private Practitioner; Renee J. Garofalo, OD, FAAO, Alcon Research Ltd; Mary Jo Stiegemeier, OD, FAAO, Private Practitioner; Stephen Cohen, OD, Private Practitioner; Potter William, Private Practitioner; Kenneth A. Lebow, OD, FAAO, Private Practitioner

**50 Lactoferrin Uptake Kinetics on Silicone Hydrogel and Conventional Hydrogel Contact Lens Materials**, Lakshman N. Subbaraman, BS Optom, MSc, FAAO, Centre for Contact Lens Research; Lisa Chow, BSc, Centre for Contact Lens Research; Heather Sheardown, PhD, Lyndon W. Jones, PhD, FCOptom, FAAO, Centre for Contact Lens Research

**51 Comparison of Air Optix™ Aqua Versus O2Optix®**, Anne N. Brobst, OD, CIBA Vision Corporation; Priya Janakiraman, OD, CIBA Vision Corporation; Chiao-Hua Wang, MS, CIBA Vision Corporation

**52 Practitioner Survey of Contact Lens Case History Contents: In-Office vs. AAO Scientific Meeting Attendees**, Robin L. Chalmers, OD, FAAO, Indiana University; Kathrine E. Osborn, Johnson & Johnson Vision Care

**53 An Investigation of Ocular Comfort in Contact Lens Wearers, Spectacle Wearers and Non-Wearers**, Andrew J. Plowright, MSc, Eurolens Research The University of Manchester; Philip B. Morgan, BSc(Hons) PhD MCOptom FAAO FBCLA, Eurolens Research The University of Manchester; Carole Maldonado-Codina, BSc (Hons) MSc PhD MCOptom FAAO,

Eurolens Research The University of Manchester; Kurt J. Moody, OD, FAAO, Johnson & Johnson Vision Care

**54 Toric Soft Contact Lens Visual Acuity with Abnormal Gaze and Posture**, Graeme Young, MPhil PhD FCOptom FAAO, Visioncare Research Ltd; Roberta McIlraith, BOptom, Visioncare Research Ltd

**55 Struggle with Hydrogel CL Wear Increases with Age From 18 to 39 Years**, Robin L. Chalmers, OD, FAAO, Indiana University; Graeme Young, MPhil PhD FCOptom FAAO, Visioncare Research Ltd; Chris Hunt, MS, Visioncare Research Ltd

**56 Anomalies in the Prescribing of Soft Contact Lens Powers**, Graeme Young, MPhil BSc FCOptom FAAO, Visioncare Research Ltd; Kurt J. Moody, OD, FAAO, Johnson & Johnson Vision Care

**57 Evaluation of Fit and Visual Acuity of the Acuvue® Oasys™ for Astigmatism on Asian Eyes in a Non-Dispensing Comparison to Soflens® Toric and Acuvue® 2**, Jason R. Chin, OD, FAAO, New England College of Optometry; Kurt J. Moody, OD, FAAO, Johnson & Johnson Vision Care

**58 Comparison of Two Aspheric Multifocal Contact Lens Designs in the Correction of Early Presbyopia**, Jennifer R. Wong, OD, Indiana University; Kathleen S. Reuter, OD, Ohio State University; Christen Kenrick, Indiana University; Meredith E. Jansen, Indiana University; Jason J. Nichols, OD MPH PhD FAAO, Ohio State University; Pete S. Kollbaum, OD PhD FAAO, Indiana University

**59 Spherical Aberration Standards for Determining Low-Level Aberration Measurement Capability of a Shack–Hartmann Wavefront Sensor**, Paul M. Jeatran, MS, Bausch & Lomb Inc

**60 In Vivo Wettability of Flexible Contact Lens Materials**, Justin Webb, OD, Southern California College of Optometry; Jerry Paugh, OD PhD, Southern California College of Optometry; Andrew Nguyen, PhD, Southern California College of Optometry

**62 Clinical Performance of a Peroxide-Based Care System and a Multi-Purpose Care System Formulated for Use with Silicone Hydrogels**, Nancy J. Keir, OD, Centre for Contact Lens Research; Simone Schneider, Dipl Ing (FH) Augenoptik, Centre for Contact Lens Research; Kathryn A. Dumbleton, MSc MCOptom FAAO, Centre for Contact Lens Research; Craig A. Woods, BSc PhD MCOptom DipCL FAAO FVCO, Centre for Contact Lens Research; Yunwei Feng, MD PhD, Centre for Contact Lens Research

**63 Complete Easy Rub vs. Optifree Replenish: Evaluation of Staining, Tear Break-up Time, and Pre-Lens Tear Thinning Time**, Milton M. Hom, OD, FAAO, Private Practitioner

**64 Comparison of Complete Easy Rub with Optifree Replenish in Contact Lens Hygiene**, Scott Schatz, PhD OD, FAAO, Nova Southeastern University College of Optometry; Christine

Manzella, OD MPH, Nova Southeastern University College of Optometry; Chad Wenger, MS, Nova Southeastern University College of Medical Sciences; Debbie Darius, BS, Nova Southeastern Univ Farquhar College of Arts & Sciences; Harold Laubach, PhD, Nova Southeastern University College of Medical Sciences

**65 The Effect of Various Soft Contact Lens Care Products on Lens Modulus**, Graeme Young, MPhil PhD FCOptom FAAO, Visioncare Research Ltd; Oliver Harmer, BSc, Visioncare Research Ltd; Shaun Peters, BSc, Visioncare Research Ltd

**66 The Implication of Long-Term Contact Lens Storage for Part-Time Silicone Hydrogel Wearers: Pro-Guard Versus Traditional Polyethylene Case**, Leangsok (Kellee) Tea, OD, Southern California College of Optometry; Mariam Sasani, OD, Southern California College of Optometry; Dawn Y. Lam, OD

**67 Assessment of Patient Satisfaction with a New Multi-Purpose Disinfecting Solution Using a Patient Outcome Survey**, Jerry Nolfi, BSc OD MBA, Private Practitioner; Fadi Maroun, BSc OD, Private Practitioner; Benjamin Doz, BSc OD, Private Practitioner; Nate Stepner, DLitt, Alcon Research Ltd; Sean O'Brien, BA MBA, Alcon Research Ltd; Myrna Bergen, Alcon Research Ltd

**68 Hydrophobic-Ionic Attributes of MPS in Driving Uptake and Release with Conventional vs. Silicone Hydrogel Contact Lenses**, Hayes Powell, MS, Advanced Medical Optics (AMO); Stan Huth, MS, Advanced Medical Optics (AMO); John Lally, PhD, Advanced Medical Optics (AMO); Lisa Hoong, BS, Advanced Medical Optics (AMO)

**69 Effect of Contact Lens Cleaning Regimens on Cleanliness of Lenses and Overall Patient Comfort**, Robert Chu, Private Practitioner

**70 Antimicrobial Efficacy of Ultracare® and Clearcare® Peroxide Systems vs. Acanthamoeba Polyphaga ATCC 30461 Cysts and Trophs in Test Tube and Lens Case**, Marina Nikolic, BS, Advanced Medical Optics (AMO); Nooshin Azizi, Advanced Medical Optics (AMO); Kate Ambrus, Advanced Medical Optics (AMO); Nancy Brady, Advanced Medical Optics (AMO); Anthony Lam, Advanced Medical Optics (AMO)

**71 A Novel Method of Assessment of the Effect of the Rub-Rinse Step on the Microbial Load on a Lens in a Lens Care Regimen**, Nancy A. Brady, BS, Advanced Medical Optics (AMO); Kate Ambrus, Advanced Medical Optics (AMO)

**73 Corneal Oxygenation During Toric Contact Lens Wear**, Noel A. Brennan, OD PhD FAAO, Brennan Consultants

**74 Variation in the Endothelial Bleb Response with Contact Lens DK/T**, M-L Chantal Coles, OD, Brennan Consultants; Noel A. Brennan, OD PhD FAAO, Brennan Consultants; Heather RM Connor, BSc(Hons) MCOptom, Brennan Consultants; Robert G. G. McIlroy, BOptom, Brennan Consultants; Serge Gavras, BSpSci(Hons), Brennan Consultants; Kurt J. Moody, OD, FAAO, Johnson & Johnson Vision Care; Terri Henderson, MS, Johnson & Johnson Vision Care

**75 Evaluation of the Efficacy of Two Types of Silicone-Hydrogel (SIHY) Bandage Contact Lenses Following PRK**, Panagiotis Kallinikos, MSc PhD, University of Crete; Nikos Astyrakakis, OD, University of Crete; Sotiris Plainis, MSc PhD, University of Crete; Michalis Grentzelos, MD, University of Crete; Vassilios Diakonis, MD, University of Crete; Aristofanis Pallikaris, MSc, University of Crete; Ioannis Pallikaris, MD PhD, University of Crete

**76 Resolution of Corneal Molding Without Discontinuance of Soft Toric Wear**, Keshia S. Elder, OD MS FAAO, University of Alabama at Birmingham; William Benjamin, OD MS PhD, University of Alabama at Birmingham

**77 Clinical Chart Review of Contact Lens Prescribing Patterns**, Robin L. Chalmers, OD, FAAO, Indiana University; Bill Long, BS FAAO FBCLA; Timothy A. Giles, CIBA Vision Corporation

**78 Ocular Surface Sensitivity and Lens-Solution Induced Corneal Staining and Symptoms**, Ping Situ, ; Trefford Simpson, Centre for Contact Lens Research; Desmond Fonn, Centre for Contact Lens Research

**79 The Association of Contact Lens Thickness to the Occurrence of Seals**, Gerard Cairns, PhD MCOptom FBCLA, Bausch & Lomb Inc; Kirk M. Bateman, Bausch & Lomb Inc; Mohinder M. Merchea, OD PhD FAAO, Bausch & Lomb Inc; Brian Levy, OD MSc FAAO, Bausch & Lomb Inc; William T Reindel, OD MS, Bausch & Lomb Inc

**80 Analysis of Purkinje Shape During Tear Breakup Using Fourier Descriptors**, Liu Haixia, PhD, Indiana University; Larry N. Thibos, PhD FAAO; Arthur Bradley, PhD; Carolyn G. Begley, OD MS

**81 The Effect of Lens Power on Central and Peripheral Overnight Corneal Swelling with Four Different Silicone Hydrogel Lenses**, Amir Moezzi, MSc BOptom, Centre for Contact Lens Research; Desmond Fonn, DipOptom MOptom FAAO, Centre for Contact Lens Research; Jalaiah Varikooty, MSc BMed, Centre for Contact Lens Research; Trefford L. Simpson, MSc PhD DipOptom, Centre for Contact Lens Research

**82 The Effect of Oxygen Transmissibility on Central and Peripheral Overnight Corneal Swelling with Four Different Silicone Hydrogel Lenses**, Desmond Fonn, DipOptom MOptom FAAO, Centre for Contact Lens Research; Amir Moezzi, MSc BOptom, Centre for Contact Lens Research; Jalaiah Varikooty, MSc BMed, Centre for Contact Lens Research; Trefford L. Simpson, MSc PhD DipOptom, Centre for Contact Lens Research

**84 Interaction of Vision on Ocular Comfort**, Subam Basuthkar Sundar Rao, BS (Optom) Mphil, Centre for Contact Lens Research; Trefford L. Simpson, MSc PhD DipOptom, Centre for Contact Lens Research

**85 A Vision Chart to Quantify Disturbances in Acuity During Wear of Toric Contact Lenses**, Paul Chamberlain, BSc(Hons) MCOptom, Eurolens Research The University of

Manchester; Philip B. Morgan, BSc(Hons) PhD MCOptom FAAO FBCLA, Eurolens Research  
The University of Manchester; Kurt J. Moody, OD, FAAO, Johnson & Johnson Vision Care

**86 Subjective Assessment of Soft Contact Lens Comfort on an Unanchored Scale**, Sharon  
Holden Thomas, OD, CIBA Vision Corporation; Rick E. Payor, CIBA Vision Corporation; Mary  
Fahmy, OD, CIBA Vision Corporation

**87 The Effect of Pupil Size on Image Quality and Higher Order Optical Aberrations in  
Silicone Hydrogel Contact Lenses**, Gary G. Gunderson, OD, FAAO, Illinois College of  
Optometry; Emily Pott, BS; Eileen Bush, BS; Rebecca Zoltoski, PhD

**89 Evaluation of Cornea-to-Contact Lens Base Curve Relationships in Keratoconus  
Through Fluorescein Patterns and Photography**, Cassandra White, BS, Ohio State  
University; Barbara A. Fink, OD PhD, Ohio State University; G. Lynn Mitchell, BS MAS  
FAAO, Ohio State University

**90 Managing Keratoglobus with a Scleral Lens**, Alan Kwok, OD, FAAO, Boston Foundation  
for Sight; Perry Rosenthal, MD, Boston Foundation for Sight; Deborah S. Jacobs, MD, Boston  
Foundation for Sight

**91 Restoration of Vision in an Aphake with Traumatic Retinal Detachment and High  
Corneal Toricity with a Rigid Gas Permeable Lens**, Hanish Patel, OD, State University of  
New York; Sharanjit Burmy, OD, State University of New York; Evan N. Kaplan, OD MS  
FAAO, State University of New York

**92 Management of Post Lasik Ectasia and Higher Order Aberrations with a Scleral Lens**,  
Alan Kwok, OD, FAAO, Boston Foundation for Sight; Perry Rosenthal, MD, Boston Foundation  
for Sight; Deborah S. Jacobs, MD, Boston Foundation for Sight

**93 Corneal-Scleral Contact Lens Fitting for an Atypical Noonan Syndrome Patient: A Case  
Report**, Sung Hei Jimmy Tse, Bsc(Hons) in Optometry, The Hong Kong Polytechnic  
University; Cecilia Tong Yi, BSc (Hons) Optom, The Hong Kong Polytechnic University; Larry  
Hou-Yan Ng, OD, FAAO FBCLA, The Hong Kong Polytechnic University

**94 Limbal Stem Cell Deficiency: Management with Scleral Contact Lenses**, Muriel M.  
Schornack, OD, FAAO; Leo Maguire, MD, Mayo Clinic

**96 A Survey on Orthokeratology Subjects After 7 Years of Lens Wear**, Sin Wan Cheung,  
FAAO, The Hong Kong Polytechnic University; Pauline Cho Wong, PhD FAAO

**97 Advance Orthokeratology Over a Decade of Progress**, Edward S. Chow, OD, Private  
Practitioner

**98 Myopia Control with Orthokeratology Contact Lenses in Spain (MCOS): Design,  
Baseline Findings and 6 Month Data**, Jacinto Santodomingo Rubido, OD(EC) MSc PhD

MCOptom FBCLA FAAO, American Academy of Optometry; César Villa, BSc MSc FAAO, American Academy of Optometry

**99 Using Corneal Characteristics to Predict Corneal Changes in Overnight**

**Orthokeratology**, Kristin Glavine, New England College of Optometry; Marjorie J. Rah, OD PhD FAAO, New England College of Optometry; Li Deng, PhD, New England College of Optometry

**100 Orthokeratology Epithelial Changes with Increasing Lens Wear: A Histological Study,**

Jennifer D. Choo, OD PhD, Institute for Eye Research; Brien A. Holden, BAppSc PhD DSc OAM FAAO, Institute for Eye Research; Patrick J. Caroline, FAAO, Pacific University

**101 Posterior Corneal Shape and Corneal Biomechanics Changes with Orthokeratology**

**Lens Wear and Their Recovery**, Davie Chen, Bsc (Hons) Optometry, The Hong Kong Polytechnic University; Andrew K.C. Lam, PhD FAAO, The Hong Kong Polytechnic University; Pauline Cho Wong, PhD FAAO, The Hong Kong Polytechnic University

**103 Longitudinal Survey of Communication Skills in an Educational Setting,**

Sanford Gross, OD, FAAO, Illinois College of Optometry; Sandra S. Block, OD MEd FAAO FCOVD, Illinois College of Optometry; Leslie Patterson, Illinois College of Optometry; Abby Vanderah, Illinois College of Optometry

**104 A Novel Use of Patients in a Clinical Reasoning Course,** Aurora Denial, OD, FAAO, The New England College of Optometry

**105 The Use of Asynchronous Discussion Forums to Reinforce Face to Face Classroom**

**Lectures**, Raymond H. Chu, OD MS FAAO, Southern California College of Optometry; Eric Borsting, OD MS FAAO, Southern California College of Optometry

**106 Then and New: Changes in Study Practices of First Year Optometry Students,**

Barbara McGinley, MA, New England College of Optometry; Nancy B. Carlson, OD, FAAO, New England College of Optometry

**107 A New Laboratory Teaching Tool,** Arnie Patrick, OD, Nova Southeastern University

College of Optometry; Chris Woodruff, OD, Nova Southeastern University College of Optometry

**108 Setting Clinical (Performance Based) Standards in Optometry: Results From a 2-Year**

**Trial**, John Siderov, MScOptom PhD FAAO, Anglia Ruskin University; Rupal Lovell-Patel, BSc (Hons) MCOptom, Anglia Ruskin University; Yvonne Norgett, BSc (Hons) MCOptom, Anglia Ruskin University

**109 What is the Optometry Student's True CL Experience?,** Langis Michaud, OD, FAAO

Diplomate Cornea and contact Lenses, Universite de Montreal L'Ecole d'optometrie; Ety Bitton, OD MSc FAAO, Universite de Montreal L'Ecole d'optometrie

**110 Research Education in a VA Optometry Residency Program**, Dawn H. Messer, OD MPH, University of Arizona

**111 User Perceptions of a Paperless Clinical Evaluation System for Students and Clinicians**, Maher Shinouda, DVM BSc M Math, University of Waterloo; Deborah Jones, BSc FCOptom DipCLP FAAO; Marlee M. Spafford, OD MSc PhD FAAO

**112 The Rhetoric of Patient Voice: Reported Talk with Patients in Referral and Consultation Letters**, Marlee M. Spafford, OD MSc PhD FAAO, University of Waterloo; Catherine F. Schryer, PhD, University of Waterloo; Lorelei Lingard, PhD, University of Toronto

Thurs., October 23, 2008

9:00 AM 4 hours      Room 204A-C  
POS-02                      Posters (with authors)  
                                    Authors of ODD numbered posters present from 1:30 – 3:30pm  
                                    Authors of EVEN numbered posters present from 3:30 – 5:30pm

Topics:

Boards 2-7	Posterior Segment Scientific Posters
Boards 9-35	Posterior Segment Clinical Case Reports
Boards 37-41	Systemic Disease: Hematology / Oncology
Boards 43-45	Vascular Disease
Boards 47-48	Drug Interactions
Boards 50-53	Systemic Disease: Public Health
Boards 55-58	Systemic Disease: Clinical Case Reports
Boards 60-73	Glaucoma
Boards 75-89	Neuro-Ophthalmic and Orbit
Boards 91-101	Low Vision
Boards 103-113	Health Policy / Health Care Delivery

**2 Retinal Hamartomas in Tuberous Sclerosis Complex**, Julie-Andree Marinier, OD, MSc, Massachusetts General Hospital; Elizabeth A. Thiele, MD, PhD, Massachusetts General Hospital

**3 Fundus Autofluorescence of Suspicious Choroidal NEVI**, Kimberly Chin, OD, The New York Eye Cancer Center; Paul T. Finger, MD FACS, New York University Medical Center Department of Ophthalmology

**4 Retinal Nerve Fiber Layer (RNFL) Thickness in Retinitis Pigmentosa with Good Visual Acuity Measured by GDxVCC and OCT**, Sherry J. Bass, OD, FAAO, State University of New York; Jerome Sherman, OD, FAAO

**5 Quantitative Analysis of Myopic Chorioretinal Degeneration in Chinese Eyes Using a Novel Computer Software Programme – A Preliminary Report**, Rebecca Yong Kee Chew, Eye Hospital; Xiuyuan Yan, PhD; Martin Kwan, MSc in Clinical Optometry, Private Practitioner; Maheshwar Bakthavatsalu, MBBS DO DNB (Ophth) Fellowship in vitreoretinal,

Eye Hospital; Mong Li Lee, PhD MSc BSc (Hons 1) in Computer Science, National University of Singapore; Wynne Hsu, PhD Electrical and Computer Engineering, National University of Singapore; Derek Mladenovich, OD, FAAO MPH, Pennsylvania College of Optometry; Kah Guan Au Eong, MMed(Ophth) FRCS DRCOphth FAMS(Ophth), National University of Singapore

**6 Total Body Fat Content and Retinopathy in Chinese Diabetic Patients**, Rita Sum, Bsc (Hons) Optometry; Patrick Ting, PhD, The Hong Kong Polytechnic University; Karen Cheng, OD, The Hong Kong Polytechnic University

**7 Imaging the Posterior Segment in an Underserved Hispanic Population**, Christen Kenrick, BS, Indiana University; Victor E. Malinovsky, OD, FAAO, Indiana University; Todd D. Peabody, OD, Indiana University; Jennifer Page, Indiana University; Dean A. VanNasdale, Indiana University; Benno Petrig, DSc, Indiana University; Joel Papay, Indiana University; Ann Elsner, FAAO, Indiana University; Douglas G. Horner, OD, FAAO, Indiana University

**9 Late-Onset Adult Stargardt's Macular Dystrophy**, Brooke A. Smith, OD, VA Medical Center; Gay Tokumar, VA Medical Center

**10 Cirrus HD-OCT Imaging of Adult-Onset Foveomacular Pigment Epithelial Dystrophy: Two Case Reports**, Lee Vien, OD, VA Medical Center Palo Alto; Sarah V. Cordes, OD, Veterans Health Administration

**11 Spectral Domain (SD)OCT Confirms Absence of a Foveal Pit with Preserved Visual Acuity**, Sherry J. Bass, OD, FAAO, State University of New York; Jerome Sherman, OD, FAAO, State University of New York; Anchu Chandra, State University of New York

**12 Unilateral Pigmentary Retinopathy Caused by Congenital Rubella**, Heather McLeod, OD, State University of New York; Richard J. Madonna, OD MA FAAO, State University of New York; Sherry J. Bass, OD, FAAO, State University of New York; Jill Pitts, OD

**13 Clinical Management of Congenital Retinal Macrovascular in Cerebral Palsy Patient**, Todd D. Peabody, OD, Indiana University

**14 A 12 Year Old Girl Suffered from Eales Disease Monocularly: A Case Report**, Kwai Mei Law, BSc (Hons), The Hong Kong Polytechnic University

**15 Asymmetric Severe Proliferative Diabetic Retinopathy in the Presence of Degenerative Myopia**, Vanessa A. Tarud, OD, Department of Ophthalmology and Visual Science, Yale University

**16 Macular Sequelae and Visual Variability in Two Cases of Retinal Artery Macroaneurysm**, Timothy Tsang, OD, Illinois College of Optometry; Tricia Newman, OD, FAAO, Illinois College of Optometry

**17 Optic Nerve Collateral Formation Following Acute Central Retinal Artery Occlusion,** Richard J. Michelsen, Veterans Health Administration; Bernie Lim, OD, FAAO, Veterans Health Administration; Nicholas T. Chan, OD, Veterans Health Administration; Deana E. Lum, OD, Veterans Health Administration

**18 Ciliochoroidal Melanoma in a Uniocular Patient,** Inning Chen, OD, University of California Berkeley; Bernie Lim, OD, FAAO, Veterans Health Administration; Nicholas T. Chan, OD, Veterans Health Administration; Deana E. Lum, OD, Veterans Health Administration

**19 Unsuspected Uveal Melanoma Diagnosed After Cataract Extraction with Intraocular Lens Implantation,** Johnlee Romero, Nova Southeastern University College of Optometry

**20 Simultaneous Bilateral Central Retinal Vein Occlusion (CRVO) in a Patient with Known Leukemia,** Jonna M. O'Connor, Nebraska Western Iowa Veterans Affairs Health Care System; Blake G. Simmons, OD, St Luke's Eye Care & Laser Center

**21 Contemporary Diagnosis and Management of Acute Zonal Occult Outer Retinopathy (AZOOR),** Jerome Sherman, OD, FAAO, State University of New York; Juliana Boneta, OD, State University of New York

**22 Transient Visual Field Defect,** Vanessa C. Gonzalez, ; Albert Woods, MS OD, FAAO, Nova Southeastern University College of Optometry; Lori A. Vollmer, Nova Southeastern University College of Optometry

**23 A Unique Case of Unilateral Tamoxifen Maculopathy with Low-Dose Therapy,** Wendy J. Haaland Stone, OD

**24 Interferon Retinopathy Associated with the Treatment of Hepatitis C,** Kurt Hepworth, Southern California College of Optometry

**25 Brinzolamide 1% in the Treatment of Idiopathic Central Serous Chorioretinopathy,** Danielle Poole, OD, Illinois College of Optometry; Dominick Opitz, OD, FAAO, Illinois College of Optometry

**26 Response of Retinal Angiomatous Proliferation (RAP) to Intravitreal Bevacizumab (AVASTIN),** Leo P. Semes, OD, University of Alabama at Birmingham; Bryan Holman, OD, University of Alabama at Birmingham; Crisse Folds, OD, University of Alabama at Birmingham

**27 Myopic Peripapillary Retinoschisis Without Macula Schisis as a Potential Cause of Profound Vision Loss,** Jerome Sherman, OD, FAAO, State University of New York; Daniella Rutner, OD MS, State University of New York; Richard J. Madonna, OD MA FAAO, State University of New York

**28 An Overlooked Cause of Crystalline Retinopathy,** Kristin A. Protosow, OD, VA Connecticut Healthcare System West Haven; Jordan Zinn, Optometrist resident, VA Connecticut Healthcare System West Haven; Charles Haskes, OD MS FAAO

**29 Linear Retinal Pigment Epitheliopathy Discovered During a First Ever Exam**, Andrew J. Doyle, OD, Baltimore VA Medical Center; Nina Doyle, OD, Baltimore VA Medical Center

**30 Spectral-Domain OCT Reveals Specific Cause of Decreased Vision in a Patient with Dry AMD**, James Sickler, OD, Bascom Palmer Eye Institute

**31 Abnormal ERG and EOG Responses in Patients with Pigment Epithelial Detachment: Case Series**, Sung Hei Jimmy Tse, Bsc(Hons) in Optometry, The Hong Kong Polytechnic University; Rita Wing-Man Sum, BSc (Hons) Optom, The Hong Kong Polytechnic University; Cecilia Tong Yi, BSc (Hons) Optom, The Hong Kong Polytechnic University; Henry Chan, PhD FAAO, The Hong Kong Polytechnic University

**32 CMV Retinitis in an AIDS Patient**, Michelle M Kubancik, Nova Southeastern University College of Optometry

**33 Purtscher's Retinopathy**, Kimberly D. Kohne, OD, FAAO, Indiana University; Jane Ann Grogg, OD, Indiana University

**34 Posterior Scleritis a Diagnostic Challenge**, Bryce A. Palmer, OD, Southern Arizona VA Healthcare System; Theresa Lee, OD, Southern Arizona VA Healthcare System; Carla Engelke, OD, FAAO, Southern Arizona VA Healthcare System

**35 The Incidence of Bergmeister's Papillae as Documents with Spectral Domain OCT Decreases with Age**, Juliana Elizabeth Boneta, OD, Northport VA Medical Center; Jerome Sherman, OD, FAAO, State University of New York; Vanna Wong, BS, State University of New York; Anshu Chandra, OD, State University of New York; William He, BS, State University of New York; Angelica Delgado, BS

**37 Bilateral CRVO Caused by Leukemia**, Christine L. Burke, OD, VA Connecticut Healthcare System West Haven; Kristin A. Protosow, OD, VA Connecticut Healthcare System West Haven

**38 Orbital Tumor Secondary to Metastatic Cutaneous Malignant Melanoma**, tehseena ullah, OD, Pennsylvania College of Optometry; Andy Gurwood, OD FAOO Diplomate, Pennsylvania College of Optometry; Marc D. Myers, OD, FAAO

**39 Gaze-Evoked Nystagmus and Optic Nerve Edema Secondary to a Cerebellar Venous Angioma Hemorrhage**, Drew N. Aldrich, OD MS, Veterans Health Administration; Bernie Lim, OD, FAAO, Veterans Health Administration; Nicholas T. Chan, OD, Veterans Health Administration

**40 Atypical Etiology for Bilateral Non-Arteritic Ischemic Optic Neuropathies**, Stefie Ribeiro, BS OD, VA Hudson Valley Health Care System; Brandon Mondesir, BS, VA Hudson Valley Health Care System; Karen Wadhams, VA Hudson Valley Health Care System; Felicia A. Fodera, OD, FAAO, VA Hudson Valley Health Care System; Nancy N. Wong, OD PhD FAAO, VA Hudson Valley Health Care System

**41 Branch Retinal Artery Occlusion Secondary to Antiphospholipid Antibody Syndrome,** Sharon Bisighini, OD, VA Medical Center; Nora Ann Lucchi, OD, VA Medical Center; Richard Sui, OD, VA Medical Center

**43 Perioperative Visual Loss After Cardiac Surgeries,** Ashley K. Rone, OD, Kansas City Veterans Affairs Medical Center

**44 Ocular Ischemic Syndrome in a Diabetic Patient with an Anatomically Narrow Asymmetric Right Internal Carotid Artery,** Mann Trinh, ; Bernie Lim, OD, FAAO, VA Medical Center; Nicholas T. Chan, OD, VA Medical Center

**45 Carotid Endarterectomy vs. Carotid Stenting,** Silgi R. Philip, BS in Biology OD, VA Hudson Valley Health Care System; olesya semchenkova, BS, VA Hudson Valley Health Care System; Terry Luk, VA Hudson Valley Health Care System; Nancy N. Wong, OD PhD FAAO, VA Hudson Valley Health Care System; Felicia A. Fodera, OD, FAAO, VA Hudson Valley Health Care System

**47 Cotton Wool Spots Reveal Systematic Methotrexate Toxicity,** Stephanie A. Klemencic, OD, FAAO, Illinois College of Optometry; Jane Ann Grogg, OD, Indiana University

**48 Ocular Manifestation of Anticoagulant Overdose: Severe Subconjunctival Hemorrhage Secondary to Warfarin Therapy,** Neill J. Bulakowski, OD, Perry Point VAMC

**50 Hypertension Screenings: A Survey of Michigan Optometrists,** James R. Miller, OD, FAAO, Michigan College of Optometry; Paula Richards, OD, Michigan College of Optometry; Lesley Sobeck, OD, Michigan College of Optometry

**51 Primary Care Physician Report and Blood Pressure in a Low Income Uninsured Population,** Janis E. Winters, OD, FAAO, Illinois College of Optometry; Laura MacDonald, BS, Illinois College of Optometry; Andrea Wittrock, BS, Illinois College of Optometry

**52 Rural Patients with Diabetes Lack Adequate Eye Care,** Renee Mika, OD, FAAO, Michigan College of Optometry; Robert S. Buckingham, OD, FAAO, Michigan College of Optometry; Danica Tea, BS, Michigan College of Optometry

**53 Demographics and Clinical Characteristics of Veterans Diagnosed with PDR and Severe NPDR Identified on Teleretinal Screening,** Dianne Kowing, OD, Veterans Health Administration

**55 Peri-Orbital Cellulitis Caused by Methicillin-Resistant Staphylococcus Aureus,** Phuong Le, OD, Northeastern State University; Sarah Hetu, OD; Leland W. Carr, Doctor of Optometry

**56 Cone Rod Dystrophy Associated with Spinocerebellar Ataxia Type 7,** Sarah D. Appel, OD, FAAO, Pennsylvania College of Optometry; Steven Shaw, OD, Pennsylvania College of

Optometry; Brenda Wedig, OD, Pennsylvania College of Optometry; Carlo Pelino, OD, Pennsylvania College of Optometry

**57 Posterior Scleritis in a Sixteen-Year-Old Hispanic Female: A Care Report**, Kelly E. Kingsbury, OD, Ohio State University; Elizabeth Cockerill, Optometry III Intern, Ohio State University

**58 Paracentral Homonymous Visual Field Defect Associated with Systematic Lupus Erythematosus**, roxanna de la rosa, Indiana University; Tiffenie Harris, OD, FAAO; Patricia A. Henderson, OD, FAAO

**60 Flonase Induced Glaucoma**, Dave Lee Bejot, OD, The Eye Center of Toledo; Alison Palmer, The Eye Center of Toledo

**61 Topamax : Acute Bilateral Angle Closure in a Highly Myopic Patient**, Dave Lee Bejot, OD, The Eye Center of Toledo; Alison Palmer, The Eye Center of Toledo

**62 Angle Closure From Untreated Choroidal Melanoma**, Trevor K. Irish, OD, Northeastern State University; Raul F. Auza, Northeastern State University

**63 Management of Angle Closure Glaucoma Following Visian Lens Implantation**, Tracy L. Schroeder Swartz, OD MS FAAO, Indiana University; Shawna L. Hill, OD, FAAO, Indiana University; Helen Boerman, OD, FAAO, Indiana University; Ming X. Wang, MD PhD

**64 Unilateral Primary Juvenile Glaucoma Associated with Iridotrabecular Dysgenesis, Congenital Ectropion Uvaeae, and Thickened Corneal Nerves**, Ronald J. Carr, OD, Midwest Eye Professionals

**65 Hyperoleon: Management of Post-Operative Complications of Retinal Surgery with Silicone Oil**, Tam Nguyen, OD MS, VA Hudson Valley Health Care System; Brandon Mondesir, VA Hudson Valley Health Care System; Nancy N. Wong, OD PhD FAAO, VA Hudson Valley Health Care System

**66 Impact of Phacoemulsification on IOP in Eyes with Pseudoexfoliation**, Anupam Laul, OD, New England College of Optometry; Brian Wolff, OD; Mark O'Donoghue, OD, New England College of Optometry

**67 Clinical Relationship Between Ocular Pulse Amplitude, Intraocular Pressure, and Refractive Error**, Dina H. Erickson, OD, FAAO, Pacific University; Goodwin Denise, OD, FAAO, Pacific University; Chad Anderson, Pacific University

**68 Longitudinal Study of Global Flash MFERG in Unilateral Glaucoma**, Patrick Ho Wai Chu, BSc, The Hong Kong Polytechnic University; Yiu-Fai Ng, BSc, The Hong Kong Polytechnic University; Henry H.L. Chan, PhD FAAO, The Hong Kong Polytechnic University

**69 Agreement of Home Tonometry with “New Age” Tonometers,** Pinakin Gunvant, BS Optom PhD FAAO, Southern College of Optometry; Erin Hocking, BA, Southern College of Optometry; Daniel Taylor, OD, Southern College of Optometry; Meredith Cohler, BS, Southern College of Optometry

**70 Can “Individualized Correction Factor” Improve the Agreement of Home Tonometry?,** Pinakin Gunvant, BS Optom PhD FAAO, Southern College of Optometry; Daniel Taylor, OD MS, Southern College of Optometry; Erin Hocking, BA, Southern College of Optometry; Meredith Cohler, Southern College of Optometry

**71 Changes in HRT Glaucoma Probability Scores Versus Changes in Visual Field Indices Across a Four to Six Year Time Period,** Leon Nehmad, State University of New York; Attefa Sultani, OD, State University of New York; Richard J. Madonna, OD MA FAAO, State University of New York; Chester Ng, State University of New York

**72 Structure of the Optic Nerve: Evaluating the ISNT Rule with the Heidelberg Retina Tonograph 3,** Gaithri Ramanathan, OD, VA New York Harbor Health Care System; Mitchell Wilkinson, OD, VA New York Harbor Health Care System; Murray Fingeret, OD, FAAO, VA New York Harbor Health Care System

**73 The Results of an LPI on Narrow Angles Measured with CAM RTVUE Instrumentation,** Keith Tyler, OD, Illinois College of Optometry; Dominick Opitz, OD, FAAO

**75 Downbeat Nystagmus Following Lamotrigine Use,** Kimberley Chan, OD, FAAO, Massachusetts Eye and Ear Infirmary; Dean Cestari, MD, Massachusetts Eye and Ear Infirmary

**76 Restrictive Extraocular Motility as an Initial Sign of Metastatic Breast Cancer,** Jessica J. Choi-Lee, OD, State University of New York; Valerie Q. Wren, OD, FAAO, State University of New York; Lynn Lowell, OD, State University of New York

**77 CN VI Palsy Due to Metastatic Prostate Cancer,** Gaithri Balasingam, OD, VA New York Harbor Health Care System; Mitchell C. Wilkinson, OD, VA New York Harbor Health Care System

**78 Isolated Abducens Nerve Deficit Associated with Positive MRI Findings Attributed to Multiple Myeloma,** Daniel R. Eckermann, OD, FAAO, VA Medical Center Salem Virginia; W. Scott Slagle, OD, FAAO, VA Medical Center Salem Virginia; Angela N. Musick, OD, FAAO, VA Medical Center Salem Virginia

**79 Adenocarcinoma Infiltration of an Extraocular Muscle,** W. Scott Slagle, OD, FAAO, VA Medical Center Salem Virginia; Daniel Eckermann, OD, FAAO, VA Medical Center Salem Virginia; Angela N. Musick, OD, FAAO, VA Medical Center Salem Virginia

**80 Diagnosis of Progressive Visual Field Loss Confounded by the Presence of an Onodi Cell,** Peter A. Russo, OD, FAAO, Loyola University Medical Center

**81 Sjogren's Optic Neuropathy**, Kelly A. Malloy, OD, FAAO Diplomate, Pennsylvania College of Optometry

**82 Septo Optic Dysplasia with Monocular Temporal Hemianopia**, Meredith Walburg, OD, State University of New York; Thuy-Hien Nguyen, OD, State University of New York; Cristina M. Llerena, OD, State University of New York; Jessica Yang, OD, FAAO

**83 Retinal Nerve Fiber Layer Analysis in Situs Inversus of the Optic Disc**, Brian M. Colander, OD, VA Medical Center; Sarah Cordes, OD, VA Medical Center

**84 Optic Chiasmal Involvement in Neuro-Sarcoidosis**, Srihari Narayanan, OD PhD FAAO, Pennsylvania College of Optometry; Kelly A. Malloy, OD, FAAO Diplomate, Pennsylvania College of Optometry

**85 Diagnosis and Treatment of an Internal Carotid Aneurysm Impacting Upon the Chiasm**, Jennifer Gustafson, BS, VA Hudson Valley Health Care System; James V. Cornetta, OD, FAAO

**86 Traumatic Brain Injury: Ocular Symptoms and Sequellae**, Adrienne B. Ari, OD MPH FAAO

**87 Closed Head Injury Resulting in Epidural Hematoma**, randy l. fitzgerald, OD, Pennsylvania College of Optometry; Andrew Gurwood, FAAO Primary Care Diplomate OD, Pennsylvania College of Optometry; Marc D. Myers, OD, FAAO

**88 Acute Ocular Ischemic Syndrome: A Critical Diagnosis**, Kelly A. Malloy, OD, FAAO Diplomate, Pennsylvania College of Optometry

**89 Evaluation of Ocular-Visual Characteristics in a Study of Mercury and Selenium Exposure in the Brazilian Amazon**, Benoit Frenette, OD MSc, Université de Montréal Optométrie; Annie Mayer, OD, Université de Montréal Optométrie; Myriam Fillion, MSc, University of Quebec in Montreal; Mélanie Lemire, MSc, University of Quebec in Montreal; Fernando Barbosa Jr, PhD; Malorie Chabot, University of Quebec in Montreal; Donna Mergler, PhD, University of Quebec in Montreal

**91 Why Do People Choose Not to Access Low Vision Rehabilitation Services?**, Walter Wittich, MA, McGill University – Neuroscience; Kenneth Southall, MSc, University of Montreal; Olga Overbury, PhD, University of Montreal

**92 How Do Visual Rehabilitation and Social Support Affect Visual Functioning?**, Walter Wittich, MA, McGill University – Neuroscience; Emilie Tremblay, University of Montreal; Jolène Laliberté, University of Montreal; Olga Overbury, PhD, University of Montreal

**93 High Proportion of Blindness from ROP Among Serbian Children Born During the Years of Economic Sanctions and Wars of 1990s in Former Yugoslavia**, Derek Mladenovich,

OD, FAAO MPH, Pennsylvania College of Optometry; Irene Langeeggen, MSc, Buskerud College

**94 The Veterans Affairs Low Vision Intervention Trial Followup: 12 Month Outcomes,** Joan A. Stelmack, OD, FAAO, Hines VA Hospital; Charlene Tang, PhD, Hines VA Hospital; Domenic Reda, Hines VA Hospital; Steve Rinne, Hines VA Hospital; Ricki Mancil, Salisbury VA Medical Center; Roger W. Cummings, OD, FAAO, Salisbury VA Medical Center; Kevin Stroupe, Hines VA Hospital; Gary L. Mancil, OD, FAAO, Salisbury VA Medical Center; Robert W. Massof, PhD FAAO, Johns Hopkins University Wilmer Eye Institute

**95 Lea Symbols Chart Versus ETDRS Chart and the Relationship Between Distance and Near Visual Acuity in the Visually Impaired,** Desiree Lui, OD MS, State University of New York; Kathy Aquilante, OD PhD, State University of New York

**96 Effects of Changing Illumination on Central Visual Functions in Low Vision Patients, A** Jonathan Jackson, PhD MCOptom, University of California Berkeley; Ian L. Bailey, OD DSc FCOptom FAAO; Robert B. Greer, OD, FAAO; Jennifer Ryan Zwelling, OD

**97 Learning to Do Visual Search with an Artificial Scotoma,** Lei Liu, PhD FAAO, University of Alabama at Birmingham; David Walsh, OD, University of Alabama at Birmingham

**98 A Case of Punctate Inner Choroidopathy and the Use of Low Vision Devices and Technology for Rehabilitation,** Esther Kukbi Choi, OD, Southern California College of Optometry

**99 A Low Vision Approach to a Common Ocular Condition,** Richard Zimbalist, OD, Pennsylvania College of Optometry; Olga Whitman, OD, Pennsylvania College of Optometry; Lindsey Lear, Pennsylvania College of Optometry

**100 Low Vision Techniques For TBI Patients,** Kristin A. Protosow, OD, VA Connecticut Healthcare System West Haven; Christine L. Burke, OD; Kara C. Gagnon, OD, FAAO

**101 Progressive Cone Degeneration: An Unusual Case,** Nicole M. Mills, OD, Southern College of Optometry; Shilpa Register, OD MS FAAO, Ohio State University

**103 Visual Impairment Among Young Schoolchildren in Nicaragua,** Patti W. Fuhr, OD PhD FAAO, University of Alabama at Birmingham; Marcela Frazier, OD MPH FAAO, University of Alabama at Birmingham; Wendy L. Marsh-Tootle, OD MS FAAO, University of Alabama at Birmingham

**104 Children's Eye Examination Guidelines: Are Parents Getting the Message?,** Wes Sands, OD, Southern College of Optometry; Marc B. Taub, OD, FAAO, Southern College of Optometry

**105 5 Year Assessment of a Low Vision Rehabilitation/Education/Transition Model for Children in Residential Blind Schools in Turkey,** Paulette Demers-Turco, OD, FAAO, Private Practitioner; Mary Ann Siller, Med, American Foundation for the Blind; Ayse Turan, MD, Dept.

of Ophthalmology Ankara Numune Hospital and Health Counselor at the Turkish Consulate General; Esra Aki, PhD, Dept of Physio-Therapy and Rehabilitation Hacettepe University

**106 Adherence to Yearly Eye Exams Among Patients with Diabetic Retinopathy in a Low-Income, Uninsured Population**, Wendy J. Haaland Stone, OD, Illinois College of Optometry; Janis E. Winters, OD, FAAO

**107 Follow-up Care for Diabetic Patients Seen in the University Optometric Center: A Review of Compliance with Standards of Care**, David M. Krumholz, OD, FAAO, State University of New York; Harriette M. Canellos, OD, State University of New York; Catherine Pace, OD, State University of New York

**108 Exploring Patient Education Regarding Diabetes in the Vietnamese Community at the Dorchester House**, Tiffany L. Yuen, New England College of Optometry; Lindy Hoang, New England College of Optometry; Tiffany Lai, New England College of Optometry; Lanh Nguyen, New England College of Optometry; Linda Nguyen, New England College of Optometry; Thu Nguyen, New England College of Optometry

**109 A Utilization Review of Patients with Glaucoma Seen in the University Optometric Center**, Harriette M. Canellos, OD; David M. Krumholz, OD, FAAO, State University of New York

**110 Macular Degeneration and Supplements on the Internet**, James O. LaMotte, PhD, OD, FAAO, Southern California College of Optometry; Niloufar Hedayat, BS, Southern California College of Optometry; Amy Moussa, BA, Southern California College of Optometry

**111 Survey of Public's Perceptions of Optometry, Ophthalmology and Opticianry in Singapore**, Bridgette Yeoh, MSc, I & Vision Research Centre; Derek Mladenovich, OD, FAAO MPH, Salus University, Pennsylvania College of Optometry; Daniel Baruffi, BS, Salus University, Pennsylvania College of Optometry

**112 The Optometrist's Role in the Management of Hypertensive Crisis**, Tiffenie Harris, OD, FAAO, Indiana University; Richard E. Meetz, OD MS

**113 Auto Mechanics and Eye Injury: Trends, Policy, and Development**, Chris N. Cordero, New England College of Optometry; Johni Curts, New England College of Optometry; Tara Davis, New England College of Optometry; Ryan Huber, New England College of Optometry; Fei Siu, New England College of Optometry

Fri., October 24, 2008

11:00 AM 4 hours Posters (with authors)

POS-03 Authors of ODD numbered posters present from 11:00 AM – 1:00 PM

Authors of EVEN numbered posters present from 1:00 - 3:00pm

Topics:

Boards 2-9	Optics and Refraction: Refractive Surgery
Boards 11-20	Optics and Refraction: Refractive Error / Aberrations
Boards 22-41	Optics and Refraction: Intraocular Lenses and Accommodation
Boards 43-45	Optics and Refraction: Clinical Case Reports
Boards 47-62	Visual Function
Boards 64-70	Ocular Physiology
Boards 72-89	Cornea and Anterior Segment Disease: Inflammation, Infection and Pharmacology
Boards 91-95	Cornea and Anterior Segment Disease: Surface Disease
Boards 97-109	Cornea and Anterior Segment Disease: Dry Eye Syndrome / Tear Film
Boards 111-115	Cornea and Anterior Segment Disease: Surgery and Diagnostic Testing

**2 Correction of Astigmatism Using the Bausch & Lomb Technolas 217Z100's Ace Treatment Algorithm**, Thomas Hofmann, MS, VISTA CLINIC CH-BASEL; Eduard Haeffliger, VISTA CLINIC CH-BASEL

**3 Wavefront Guided Photorefractive Keratectomy After Radial Keratotomy**, Elliott H. Myrowitz, OD MPH FAAO, Johns Hopkins University Wilmer Eye Institute; Ambereen Kurwa, MD, Johns Hopkins University Wilmer Eye Institute; Roy Chuck, MD PhD, Johns Hopkins University Wilmer Eye Institute

**4 Effect of Topical Cyclosporine 0.05% on Enhancement Rates in Myopic Lasik Patients**, James P. Owen, OD MBA FAAO, TLC Laser Eye Centers

**5 Femtosecond Laser Versus Mechanical Microkeratome for Hyperopic Lasik**, Raquel Gil-Cazorla, OD, FAAO, VISSUM Madrid; Jose Sánchez, Hospital Oftalmológico Internacional de Madrid; Maider Euguren, Hospital Oftalmológico Internacional de Madrid; Monserrat García, MD, Hospital Oftalmológico Internacional de Madrid; Teus Miguel A, MD PhD, Hospital Oftalmológico Internacional de Madrid

**6 Optical and Visual Performance After Diffractive Intraocular Lens Implantation in Eyes Submitted to Myopic Laser in Situ Keratomileusis**, David Madrid Costa, DO FAAO, Instituto Oftalmológico Fernandez-Vega; Jose F. Alfonso, PhD, Instituto Oftalmológico Fernandez-Vega; Arancha Poo-López, DO, Instituto Oftalmológico Fernandez-Vega; Robert Montés-Micó, PhD, Private Practitioner

**7 High Order Corneal Abberations Comparison After Myopic Intralasek and Lasik Surgeries: 1 Year Follow-up**, Raquel Gil-Cazorla, OD, FAAO, VISSUM Madrid; Blanca Ferrer, DOO, Hospital Oftalmológico Internacional de Madrid; María Villafranca, DOO, Hospital Oftalmológico Internacional de Madrid; Marta Ibarz, MD, Hospital Oftalmológico Internacional de Madrid; Ana Herranz, DOO, Hospital Oftalmológico Internacional de Madrid

**8 Comparison of Real Intraocular Pressure (IOP) During Lasik Versus Epi-Lasik**, Jose L. Hernandez Verdejo, DO FAAO, VISSUM Madrid; Celeste Marina-Verde, DO, Hospital Oftalmológico Internacional de Madrid; María Ortega-Galiana, DO, Hospital Oftalmológico Internacional de Madrid; Laura de Benito-Yopis, MD PhD, Hospital Oftalmológico Internacional de Madrid; Miguel Teus, MD PhD, Hospital Oftalmológico Internacional de Madrid

**9 Epithelial Ingrowth Following Retreatment of Mechanical Microkeratome Lasik**, David W. Friess, OD, FAAO, Vindico Medical Education; Andrew Caster, MD FACS, Private Practitioner

**11 The Prevalence of Refractive Errors in the Elderly Population of Mashhad and its Determinants**, Abbas Ali Yekta, PhD FAAO FIACLE, Mashhad University of Medical Sciences; Akbar Mehdi Hadi Javad Shiva Fotouhi Khabaz Ostadimoghadam Heravian Mehravaran, Mashhad University of Medical Sciences

**12 Distribution of Refractive Error in a Population Served During Sosh Medical Mission in Guatemala**, Maria A Pribis, BS; Joseph Hartman, OD MSc, Pennsylvania College of Optometry; Robert Wang, BS, Pennsylvania College of Optometry; Derek Mladenovich, OD, FAAO MPH, World Council of Optometry

**13 Patient Selection for Wavefront-Guided Monovision**, James P. Owen, OD MBA FAAO, TLC Laser Eye Centers

**14 Refractions and Myopia Onset Age Differ Between Two Birth Cohorts**, Li Deng, PhD, New England College of Optometry; Jane Gwiazda, New England College of Optometry

**15 Age- and Gender-Related Prevalence and Changes in Refractive Errors**, Stephan Wolfgang Degle, Dr MSc Dipl-Ing(FH) Dipl-Kfm (Univ), Private Practitioner; Kunibert Krause, University of Applied Sciences Aalen; Dietmar Kuemmel, University of Applied Sciences Aalen

**16 Baseline Characteristics of the Study of Theories About Myopia Progression (STAMP)**, David A. Berntsen, OD MS FAAO, Ohio State University; Donald O. Mutti, OD PhD FAAO, Ohio State University; Karla Zadnik, OD PhD, Ohio State University

**17 Off-Axis (Oblique) Astigmatism in Myopic and Non-Myopic Children's Eyes**, Aldo A. Martinez, BOptom PhD FAAO, Institute for Eye Research; Padmaja Sankaridurg, BOptom PhD, Institute for Eye Research; Arthur Ho, MOptom PhD FAAO, Institute for Eye Research; Paul Mitchell, MD PhD FRANZCO, University of Sydney

**18 Calculation of High Order Aberration of a Local Wavefront by Refraction**, Gregor Esser, Dipl-Ing(FH), Rodenstock GmbH Munich; Wolfgang Becken, Rodenstock GmbH Munich; Werner Mueller, Rodenstock GmbH Munich; Peter Baumbach, University of Applied Sciences Aalen; Dietmar Uttenweiler, Rodenstock GmbH Munich

**19 Controlled Induction of Spherical Aberration with Custom Soft Contact Lenses**, Katrina E. Parker, OD, University of Houston; Jason Marsack, MS, University of Houston; Raymond A. Applegate, OD PhD, University of Houston; Jim Elswick, BS, University of Houston; Tyson J. Brunstetter, OD PhD FAAO, Navy Refractive Surgery Center

**20 Effects of On-Eye Correction of Spherical Aberration Versus Soft Contact Lens Decentration: A Simulation Study**, Candido D. Pinto, PhD, Bausch & Lomb Inc

**22 Comparative Study Between the Acrysof Restor Intraocular Lens Models: SN60D3, SN6AD3 AND SN6AD1**, Thomas Hofmann, MS, VISTA CLINIC CH-BASEL; Eduard Haefliger, VISTA CLINIC CH-BASEL

**23 Retinal Straylight and Discomfort Glare After Implantation of the Acrysof Restor Diffractive Intraocular Lens**, Thomas Hofmann, MS, VISTA CLINIC CH-BASEL; Eduard Haefliger, VISTA CLINIC CH-BASEL

**24 Evaluation of Calcification of Intraocular Lenses in a Rabbit Subcutaneous Model**, Rakhi Jain, PhD, Advanced Medical Optics (AMO)

**25 Theoretical Performance of Intraocular Lenses Correcting Both Spherical and Chromatic Aberration**, Henk A. Weeber, PhD, Advanced Medical Optics (AMO); Patricia Piers, PhD, Advanced Medical Optics (AMO)

**26 Optical Ensemble Analysis of Three Aspheric IOL Performance**, Huawei Zhao, PhD, Advanced Medical Optics (AMO)

**27 Visual Field Does Not Affect the Accommodative Response and Near-Work Induced Transient Myopia**, Bai-chuan Jiang, PhD FAAO, Nova Southeastern University; Jay Rumsey, OD, FAAO, Nova Southeastern University; Shiqiang Yang, PhD, Tianjin Eye Hospital; Peijun Yao, PhD, Fudan University, Eye and ENT Hospital

**28 Sympathetic Inhibition of Accommodation Following Sustained Nearwork in Myopes and Emmetropes**, Balamurali Vasudevan, BSOptom MS, State University of New York; Kenneth J. Ciuffreda, OD PhD FAAO, State University of New York; Bernard Gilmartin, PhD FAAO, Aston University

**30 The Effect of Illumination on Accommodative Accuracy of Young Adult Myopes when Viewing a Near Target**, Sherry Tsai, Southern California College of Optometry; Sarah E. Cole, Southern California College of Optometry; Raymond H. Chu, OD MS FAAO, Southern California College of Optometry

**31 Properties of the Zero-Error Point of the Proximal Accommodative Stimulus–Response Function**, Lawrence R. Stark, BAppSc(Optom)(Hons) PhD FAAO, Southern California College of Optometry

**32 Minus-Lens Stimulated Maximum Accommodative Amplitudes in Subjects with Down Syndrome**, Heather A. Anderson, OD, University of Houston; Ruth E. Manny, OD PhD FAAO, University of Houston

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**40 Experimental Study of Groove Assembly Resistance of Three Different Ophthalmic Materials**, Stephane Rivard, ; Jean-Robert Lalonde, Université de Montréal Optométrie; Fouad Zhim, MScA, Université de Montréal; Benoit Frenette, Université de Montréal Optométrie

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**45 The Ocular Side Effects to Hyperbaric Oxygen Therapy**, Brandon R. Walters, OD, VA Salt Lake City Health Care; Harald E. Olafsson, OD, FAAO, VA Salt Lake City Health Care; Kurt Hepworth, OD, VA Salt Lake City Health Care

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**50 Persistent Foveal Color Fringing and Text Blur Induced Pupil Responses**, Shun-nan Yang, PhD, Pacific University; Hannu R. Laukkanen, OD MEd FAAO, Pacific University; Yu-Chi Tai, PhD, Pacific University; John Hayes, PhD, Pacific University

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**58 Distance Perception in the Fellow Eye of Amblyopes**, Grace Tran, Illinois College of Optometry; Krystal Christensen, Illinois College of Optometry; Kelly Klein, Illinois College of Optometry; Allyson Seiler, Illinois College of Optometry; Allison Walz, Illinois College of Optometry; Yi Pang, PhD OD; Susan A. Kelly, PhD, Illinois College of Optometry

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**64 Anatomical Adaptations of Retinal Vessels to Age-Related Changes in the Ocular Perfusion Pressure**, John Lovasik, OD PhD FAAO, Université de Montréal Optométrie; Helene Kergoat, OD PhD FAAO, Université de Montréal Optométrie; Tanguy Boutin, BSc MSc, Université de Montréal Optométrie; Normand Racine, MD, Université de Montréal; Marie-Jeanne Kergoat, MD, Université de Montréal; Mireille Parent, BSc MSc, Université de Montréal Optométrie

**65 Physiological Response of Retinal Vessels to Exercise-Induced Changes in the Concentration of Nitric Oxide**, John Lovasik, OD PhD FAAO, Université de Montréal Optométrie; Helene Kergoat, OD PhD FAAO, Université de Montréal Optométrie; Tanguy Boutin, BSc MSc, Université de Montréal Optométrie; Normand Racine, MD, Université de Montréal; Marie-Jeanne Kergoat, MD, Université de Montréal; Mireille Parent, BSc MSc, Université de Montréal Optométrie

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**67 Double Stimulation MFERG Paradigm Bypasses Medium Opacity**, Yiu-Fai Ng, BSc, The Hong Kong Polytechnic University; Patrick Ho Wai Chu, BSc, The Hong Kong Polytechnic University; Henry H.L. Chan, PhD FAAO, The Hong Kong Polytechnic University

**68 Retinal Postnatal Development: Expression of the NAPE-PLD with Respect to that of CB1 Receptors, and FAAH**, Christian Casanova, PhD; Nawal Zabouri, MSc, University of Montreal; Jean-Francois Bouchard, BPharm PhD, University of Montreal

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**74 Non-Contact Lens Associated Fusarium Keratitis**, Parres Mone Harris-Roberts, OD, University of Alabama at Birmingham; Patti W. Fuhr, OD PhD FAAO, VA Medical Center

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**80 Use of Digital Imaging in Sisters with Hereditary Granular Dystrophy**, Kristine N. Dalton, OD, Centre for Contact Lens Research; Simone Schneider, Dipl Ing FH MSc, Centre for Contact Lens Research; Lyndon W. Jones, PhD FCOptom FAAO, Centre for Contact Lens Research; Luigina Sorbara, OD MSc FAAO Dip C&CL, Centre for Contact Lens Research

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**82 An African American Pediatric Sickle Cell Trait Hyphema**, Keith Tyler, OD, Illinois College of Optometry; Dominick Opitz, OD, FAAO, Illinois College of Optometry

**83 Bepotastine Besilate Ophthalmic Solution 1% Reduces Ocular Itching at 8 Hours Following Dosing in a Clinical Model of Allergic Conjunctivitis**, Gail L. Torkildsen, MD, Private Practitioner; Paul Gomes, MS; Jon Williams, PhD; James Gow, MD, Private Practitioner; Mark Abelson, MD, Harvard Medical School; Timothy McNamara, PharmD; Study Group for the Bepotastine Ophthalmic Solutions

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**87 Acute Corneal Hydrops in Two Keratoconic Patients**, Opal Amin, OD, University of Houston; Norman E. Leach, OD MS FAAO, University of Houston; William L. Miller, OD PhD FAAO, University of Houston

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**97 The Relationship Between Dry Eye Symptoms and Lipid Layer Thickness**, Caroline Blackie, OD PhD FAAO; Jessica D. Solomon, BS, Schepens Eye Research Institute; Robert C. Scaffidi, BS, Schepens Eye Research Institute; Jack V. Greiner, Schepens Eye Research Institute; Donald R. Korb, OD, FAAO

**98 Dry Eye Status Before and After Lasik Assessed by Tearscope and Ocular Surface Disease Index**, J. Peter Gierow, PhD FAAO, University of Kalmar; Lars Hjulström, BSc; Magdalena Carlsson, Opt stud, University of Kalmar

**99 Artificial Tears Improve Visual Symptoms in Dry Eye Subjects**, Melissa R. Gilbert, MBA, Allergan LLC; Francis Lai, MMath, Allergan LLC; Peter A. Simmons, PhD FAAO, Allergan LLC; Joseph G. Vehige, OD, Allergan LLC

**100 PH, Osmolality and Viscosity of Artificial Tears**, Kristine N. Dalton, OD, Centre for Contact Lens Research; Lyndon W. Jones, PhD FCOptom FAAO, Centre for Contact Lens Research; Sarah Guthrie, PhD, Centre for Contact Lens Research

**101 The Residence Time of Marketed Artificial Tears**, Jerry R. Paugh, OD PhD, Southern California College of Optometry; Jennifer Velasco, OD, Southern California College of Optometry; Cindy Wong, OD, Southern California College of Optometry; Andrew Nguyen, PhD, California State University

**102 Randomized, Cross-Over Evaluation of PEG-400 Based Artificial Tear Versus HP-GUAR Based Artificial Tear for Signs and Symptoms of Dry Eye**, Thomas P. Kislán, OD, Private Practitioner

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**104 Tear Film Osmolality in a Symptomatic Dry Eyed Population**, Kristine N. Dalton, OD, Centre for Contact Lens Research; Michelle Senchyna, PhD, Alcon Research Ltd; Sruthi Srinivasan, PhD BS Optom FAAO, Centre for Contact Lens Research; Lyndon W. Jones, PhD FCOptom FAAO, Centre for Contact Lens Research

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**107 Interferometric Assessment of Changes in Tear Film Thickness Following Ocular Lubricant Instillation**, Stan Huth, MA; Denise Tran, BS, Advanced Medical Optics (AMO); Cheryl Skotnitsky, Advanced Medical Optics (AMO); Paiyum Mahmud, BS, Advanced Medical Optics (AMO)

**108 Evaluation of Tear Protein Collection and Extraction Methods in Soft Contact Lens Wearers**, Daniel R. Powell, OD, Ohio State University; Heather L. Chandler, Ohio State University; Kelly K. Nichols, OD MPH PhD FAAO Diplomate, Ohio State University; Jason J. Nichols, OD MPH PhD FAAO, Ohio State University

**109 Safety and Efficacy of Optive in Contact Lens Wearers with Dry Eye**, Ian B. Gaddie, OD, FAAO, Private Practitioner; Jodi Luchs, MD, Private Practitioner

**111 Corneal Keratocyte Density After Mechanical Versus Femtosecond Laser in Situ Keratomileusis**, Jose L. Hernandez Verdejo, DO FAAO, VISSUM Madrid; Irene Fuentes-Vega, DO, Hospital Oftalmológico Internacional de Madrid; Nieves Gil-Ciganda, DO, Hospital Oftalmológico Internacional de Madrid; Esther Arranz-Márquez, MD PhD, Hospital Oftalmológico Internacional de Madrid; Miguel Teus, MD PhD, Hospital Oftalmológico Internacional de Madrid

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**113 Diagnosis and Management of Corneal Hydrops Using Anterior Segment Optical Coherence Tomography - A Case Series**, Jennifer Harthan, Illinois College of Optometry; Renee E. Reeder, OD, FAAO, Illinois College of Optometry; Shana Brafman, OD, Illinois College of Optometry

**114 Monitoring Corneal Thickness with the Orbscan IIZ in a Case of Herpes Simplex Stromal Keratitis**, Eric R. Ritchey, OD MS FAAO, Ohio State University; Dawn Burgei, OD, Ohio State University

**115 Comparing the CCLR Grading System for Corneal Staining to a Traditional 0-4 Scale**, Rachael C. Peterson, PhD BSc(hons) MCOptom FAAO FBCLA, American Academy of Optometry; Craig A. Woods, BSc PhD MCOptom DipCL FAAO FVCO, Centre for Contact Lens Research; Desmond Fonn, MOptom FAAO, Centre for Contact Lens Research

**116 VA Optometric Service Opportunities**, Loren W. Bennett, OD MPH FAAO, Veterans Health Administration; John C. Townsend, OD, FAAO

**117 Academy Membership**, Helen M. Viksnins, MEd, Private Practitioner

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**122 The Graduate Program in Vision Science at Indiana University School of Optometry**, William H. Swanson, PhD FAAO, Indiana University

**123 An All On-line Distance Master of Science Program in Clinical Vision Research**, Josephine Shallo-Hoffmann, PhD FAAO, Nova Southeastern University College of Optometry

**124 Low Vision Diplomate Program of the American Academy of Optometry**, David C. Lewerenz, OD, FAAO, Northeastern State University

**125 Introducing OptomCAS: A Centralized Application Service for Optometry Admissions**, Lorraine Voorhees, OD MS, Southern California College of Optometry; Natalie Batt, Northeastern State University; James Caldwell, OD, Pennsylvania College of Optometry; Sharon Joyce, University of California Berkeley; Paige Pence, ; OPTOMCAS Ad-Hoc Committee , ; Lewis N. Reich, OD PhD FAAO, Nova Southeastern University College of Optometry

**126 Vision Science Section: Section Information and How to Become a Diplomate in Visual Electrodiagnostics**, Jerry R. Paugh, OD PhD, Southern California College of Optometry; Susanna Chung, OD PhD, University of Houston

**127 Association of Vision Science Librarians (AVSL): Contributions to Optometric Education and More**, Cindy Hutchison, AM, New England College of Optometry

**128 Diplomate Program in Primary Care Optometry**, Ann E. Clark, OD, FAAO, American Academy of Optometry

**129 American Optometric Association Seal of Acceptance Program**, Jeffrey L. Weaver, OD MBA MS FAAO, American Optometric Association

**130 Optometric Clinical Practice Guidelines: Defining Optometric Care**, Jeffrey L. Weaver, OD MBA MS FAAO

**131 How to Become a Diplomate in the Section on Cornea and Contact Lenses**, Edward S. Bennett, OD MEd FAAO, American Academy of Optometry

**132 POST-GRADUATE OPPORTUNITIES AT THE UNIVERSITY OF HOUSTON COLLEGE OF OPTOMETRY**, Laura J. Frishman, PhD MSc FAAO, University of Houston