

American Association for Pediatric Ophthalmology and Strabismus
47th Annual Meeting, March 23-27, 2022, Preliminary Program, Scottsdale, AZ

WEDNESDAY, MARCH 23, 2022

7:00 AM – 2:30 PM	Finance Committee, Board of Directors Meetings
7:00 AM – 8:00 PM	Registration
8:00 AM – 4:00 PM	Pre-Day: Strategic Business Concepts for Physicians and Administrators
1:00 PM – 4:00 PM	Poster Set Up (1 st Set)
4:00 PM – 6:00 PM	Poster Viewing (1 st Set) (Authors not present) CME eligible
4:00 PM – 5:00 PM	OMIC Workshop Best Practices in Informed Consent, Documentation, and Disclosure of Medical Errors R. Michael Siatkowski, MD & Denise Chamblee, MD
6:15 PM – 7:00 PM	International Attendees Reception
7:00 PM – 9:00 PM	Opening Reception

THURSDAY, MARCH 24, 2022

6:30 AM – 5:00 PM	Registration
6:30 AM – 8:00 AM	Breakfast
6:30 AM – 7:30 AM	Poster Viewing (Authors not present) CME eligible
8:00 AM – 5:00 PM	Administrators Program (includes Coding Workshop)
7:55 AM – 8:00 AM	Introduction and Welcome David K. Wallace, MD, MPH
8:00 AM – 8:15 AM	AAPOS President's Remarks, Honor Awards, Senior Honor Awards, Lifetime Achievement Awards Oscar A. Cruz, MD
8:15 AM – 8:20 AM	Introduction of Costenbader Lecture Ankoor Shah, MD, PhD
8:20 AM – 8:45 AM	Costenbader Lecture Supported by the Children's Eye Foundation of AAPOS The Story of Retinal Polarization Scanning – from Inspiration to Commercialization David G. Hunter, MD, PhD
8:45 AM – 8:48 AM	Presentation Ceremony Derek T. Sprunger, MD
AMBLYOPIA – STRABISMUS	
8:48 AM – 8:55 AM	Amblyopia Treatment Outcomes from a Clinical Data Registry Michael X. Repka, MD, MBA
8:55 AM – 9:02 AM	Randomized Clinical Trial of Streaming Binocular Contrast-Rebalanced Dichoptic Movies versus Patching for Treatment of Amblyopia in Children Aged 3 to 7 Years Reed M. Jost, MS
9:02 AM – 9:06 AM	DISCUSSION OF PREVIOUS PAPER Kathryn M. Haider, MD
9:06 AM – 9:13 AM	Long-Term Strabismus Outcomes after Unilateral Infantile Cataract Surgery in the Infant Aphakia Treatment Study Stephen P. Christiansen, MD
9:13 AM – 9:20 AM	Automated Measurement of the Range of Eye Movement in Patients with Strabismus Hanwoong Lim, MD
9:20 AM – 9:27 AM	Can Machine Learning (ML) Distinguish Hypertropia (HT) in Sagging Eye Syndrome (SES) From Superior Oblique Palsy (SOP)? Joseph L. Demer, MD, PhD
9:27 AM – 9:34 AM	Effect of Patch Testing on Strabismus Angular Deviation in Children Arjav Shah, MPHS
9:34 AM – 9:41 AM	Non-Surgical Consecutive Exotropia following Childhood Esotropia: A Multicentered Study Sina Khalili, MD
9:41 AM – 9:55 AM	PANEL DISCUSSION
9:55 AM – 10:55 AM	Interactive Poster Session – Author Presentation and Q/A 1st Set of Posters (A1-A100) – Authors Present – CME eligible (Odd Numbered Posters 9:55 – 10:30; Even Numbered Posters 10:20 – 10:55)
11:00 AM – 11:15 AM	Presentation of Parks Medals & Children's Eye Foundation of AAPOS Update Derek T. Sprunger, MD; Bradley C. Black, MD

11:15 AM – 11:20 AM	Introduction of Jampolsky Lecture Michael X. Repka, MD, MBA
11:20 AM – 11:40 AM	Jampolsky Lecture Reaching for the Holy Grail in Strabismus: The Mechanism Underlying Infantile Esotropia David L. Guyton, MD
11:40 AM – 11:43 AM	Presentation Ceremony

RETINA – OPTIC NERVE – RETINOPATHY OF PREMATUREITY

11:43 AM – 11:50 AM	Long-Term Visual Outcomes in Familial Exudative Vitreoretinopathy (FEVR) Scott C. Oliver, MD
11:50 AM – 11:57 AM	Optic Disc Edema Index: Differentiating Pediatric Papilledema from Pseudopapilledema with Optical Coherence Tomography Alexis M. Flowers, MD
11:57 AM – 12:04 PM	Peripapillary Hyperreflective Ovoid Mass-like Structures (PHOMS) in a Pediatric Population Referred for Suspected Papilledema Elizabeth Eshun
12:04 PM – 12:10 PM	DISCUSSION OF TWO PREVIOUS PAPERS Gena Heidary, MD, PhD
12:10 PM – 12:17 PM	International Classification of Retinopathy of Prematurity, 3rd Edition (ICROP3) Michael F. Chiang, MD
12:17 PM – 12:24 PM	Outcomes for Spontaneously Regressed Retinopathy of Prematurity Lauren M. Ehle, MD
12:24 PM – 12:31 PM	Two-year Ocular and Developmental Outcomes of a Phase 1 Dosing Study of Bevacizumab for Retinopathy of Prematurity David K. Wallace, MD, MPH
12:31 PM – 12:35 PM	DISCUSSION OF PREVIOUS PAPER David K. Coats, MD
12:35 PM – 12:42 PM	Semi-Automated Measures of Foveal Development by Handheld Swept-Source Optical Coherence Tomography May Paradoxically Correlate with Retinopathy of Prematurity Severity Emily K. Tam
12:42 PM – 1:00 PM	PANEL DISCUSSION
1:15 PM – 2:00 PM	AAPOS Business Meeting
2:15 PM – 3:15 PM	SEC Practice Management Workshop What We Are Learning from the COVID-19 Pandemic Eric A. Packwood, MD; Traci Fritz; Shira Robbins, MD; Lance Siegel, MD; Maureen Waddle, RN, MBA
3:30 PM – 5:00 PM	Documentation and Coding Updates for the Pediatric Practice in 2022 Sue Vicchriilli, COT, OCS, OCSR; Traci Fritz, COE; Robert S. Gold, MD, FAAP; Eric A. Packwood, MD
4:30 PM – 6:30 PM	Jampolsky Founders Series Reception
7:00 PM – 10:00 PM	Children's Eye Foundation of AAPOS Gala

FRIDAY, MARCH 25, 2022

6:30 am – 5:00 pm	Registration
6:30 am – 7:30 am	Poster Viewing (1 st Set) (Authors not present) CME eligible – Breakfast

WORKSHOPS

7:00 AM – 8:15 AM	21st Century Superior Oblique Palsy Meets Artificial Intelligence Joseph L. Demer, MD, PhD; Robert A. Clark, MD; Soh Y. Suh, MD; Qi Wei, PhD
	Demystifying Dyslexia: Hints for the Ophthalmologist Laura J. Heinmiller, MD; Deborah M. Alcorn, MD; Ta Chen Peter Chang, MD; Sheryl M. Handler, MD; A. Melinda Rainey, MD; Tammy Yanovitch, MD; on behalf of the Learning Disability and Dyslexia Committee
	Diagnostics that Changed What We Do in Pediatric Ophthalmology: AAPOS Research Committee Workshop Stacy L. Pineles, MD; Mary A. O'Hara, MD; Saurabh Jain, FRCOphth; Eric D. Gaier, MD, PhD; Tamara Wagnanski-Jaffe, MD; Kara M. Cavuoto, MD; Alejandra G. de Alba Campomanes, MD

Pediatric Cataract Surgery – Techniques and Strategies for 2022 and Beyond
**M. Edward Wilson, MD; Erick Bothun, MD; David G. Morrison, MD;
Erin D. Stahl, MD; Serena X. Wang, MD**

WORKSHOPS

- 8:30 AM – 9:45 AM What Do I Do Next? Approaching Diagnostic and Management Dilemmas in Congenital Anterior Segment Anomalies
**Ta C. Chang, MD; Deborah K. VanderVeen, MD; Raymond G. Areaux, MD;
Bibiana J. Reiser, MD; Faruk Orge, MD**
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- Advancing Health Equity in Pediatric Eye Care: The Role of School-Based Vision Programs, Community Engagement, Advocacy, Research, and Medical Education
**Megan E. Collins, MD; Christina Ambrosino; Mary Louise Z. Collins, MD;
Xinxing Guo; Michael X. Repka, MD, MBA**
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- Recognizing Pediatric Eye Problems That Can Save Lives – Cases Not to Miss!
**Alex V. Levin, MD, MHSC, FRCSC; Andrea Avila, MD; Benjamin P. Hammond, MD;
Matthew D. Gearinger, MD; Bayan Al Othman, MBBS; Vikas Khetan, MD**
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- What's New and Important in Pediatric Ophthalmology and Strabismus
**Emily A. McCourt, MD; Prashanthi Giridhar, MD; Robert A. Clark, MD;
Smith Ann M. Chisholm, MD; Carolina Adams, MD; Hersh Varma, MD;
Lance M. Siegel, MD; Julius Oatts, MD; Austin Bach, DO; Alina V. Dumitrescu, MD**
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- 9:45 AM – 10:30 AM Refreshment Break and Exhibit Viewing

WORKSHOPS

- 10:30 AM – 11:45 AM Surgical Techniques in Strabismus: An International Masterclass
**Saurabh Jain, FRCOphth; Jon Peiter Saunte, MD; Jan Tjeerd de Faber, MD;
Ashwin Reddy, FRCOphth; Federico Velez, MD; Rosario M. Gomez de Liano, MD;
I. Christopher Lloyd, FRCOphth**
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- AAPOS Pediatric Uveitis Committee: COVID-19 – Infection, Inflammation, and Challenges in Children with Non-Infectious Uveitis
**Brenda L. Bohnsack, MD, PhD; Virginia A. Miraldi Utz, MD;
Stefanie L. Davidson, MD; Iris S. Kassem, MD, PhD; Ashley M. Cooper, MD;
Mays A. El-Dairi, MD; Jing Jin, MD, PhD; Erin D. Stahl, MD**
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- Pediatric Eye Trauma Primer for the On-Call Ophthalmologist: A Case-Based Approach with Review of Seminal Papers
**Ankoor S. Shah, MD, PhD; Kara M. Cavuoto, MD; Natalie C. Weil, MD;
Casey J. Beal, MD**
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- Pediatric Ophthalmology Recruitment
**Hawke H. Yoon, MD; Jennifer L. Rossen, MD; Phoebe D. Lenhart, MD;
David G. Morrison, MD**
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- 11:30 AM – 12:00 PM Poster Removal (1st Set)

WORKSHOPS

- 1:15 PM – 2:30 PM Does My Patient Have Glaucoma? Pearls and Pitfalls in Evaluation of Pediatric Glaucoma Suspects
**Amgad A. Eldib, MD; Kanwal Ken Nischal, FRCOphth; Alkiviades Liasis, MD;
Preeti Patil, DNB**
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- Lids in Kids
**Laura B. Enyedi, MD; Pimpiron Ploysangam, MD; Daniel T. Weaver, MD;
Smith Ann M. Chisholm, MD; Tanuj Nakra, MD**
-
- Innovations in Pediatric Ophthalmology and Strabismus: Diagnosis and Treatment
**Federico G. Velez, MD; Stacy L. Pineles, MD; Yasmin S. Bradfield, MD;
Mays A. El-Dairi, MD; Kamiar Mireskandari, MBChB, FRCSEd; FRCOphth, PhD;
Matthew S. Pihlblad, MD; Deborah K. VanderVeen, MD**
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- AOC Workshop on Strabismus and Amblyopia: We're in Arizona – Let's Count the Vote! Searching for Truth in the Desert
**Douglas R. Fredrick, MD; Steven M. Archer, MD; Cynthia L. Beauchamp, MD;
Brian J. Forbes, MD, PhD; Dusty Gronemyer, CO; I. Christopher Lloyd, FRCOphth;
Lindsay Klaehn, CO; Kimberly Merrill, CO; Omondi Nyong'o, MD;
Jocelyn Zurevinsky, CO**

WORKSHOPS

2:45 PM – 4:00 PM	Evaluating Optic Nerve Head Elevation Robert A. Avery, MD; Gena Heidary, MD, PhD; Stacy L. Pineles, MD; Carmelina Trimboli-Heidler, MD
	Congenital and Pediatric Cataract is Not a Diagnosis: Important Systemic Disorders a Pediatric Ophthalmologist Doesn't Want to Miss I. Christopher Lloyd, FRCOphth; Jane L. Ashworth, PhD, FRCOphth; Deborah M. Alcorn, MD; Douglas R. Fredrick, MD
	AAPOS Pediatric Uveitis Committee: Pediatric Uveitis Cases: A Multi-Disciplinary Approach to Management Challenges Virginia A. Miraldi Utz, MD; Stefanie L. Davidson, MD; Sheila Angeles-Han, MD, MSc; Alex V. Levin, MD, MHSC, FAAP, FRCSC; Jennifer L. Jung, MD; Catherine O. Jordan, MD; Bharti R. Nihilani-Gangwani, MD; Mays A. El-Dairi, MD
	IPOSC Workshop: Nightmares in Strabismus Faruk H. Orge, MD; Jonathan M. Holmes, MD; Jan Tjeerd de Faber, MD; Giovanni B. Marcon, MD; Alejandro L. Armesto, MD; Tamara Wagnanski-Jaffe, MD;
3:45 PM – 4:15 PM	Poster Set Up (2 nd Set)
4:15 PM – 5:15 PM	President's Symposium From Inaction to Action: A Roadmap to Addressing Equity Through Diversity and Inclusion in Healthcare René Salazar, Chief Equity Officer, Broad Institute of MIT and Harvard
5:30 PM – 6:30 PM	Young Ophthalmologists, Senior Ophthalmologists and New Member Reception
6:00 PM – 8:00 PM	Poster Viewing (2 nd Set) (Authors not present)

SATURDAY, MARCH 26, 2022

6:30 AM – 7:30 AM	AAPOS 5K Run/Walk
7:00 AM – 5:00 PM	Registration
7:00 AM – 8:00 AM	Poster Viewing (2 nd Set) (Authors not present) – CME eligible – Breakfast
8:00 AM – 8:01 AM	Introduction of the Gunter K. von Noorden Young Investigator Award Paper Stacy L. Pineles, MD
8:01 AM – 8:09 AM	Gunter K. von Noorden Young Investigator Award Paper (Fish) Tales of Congenital Diseases: Molecularly Distinguishing Cranial Neural Crest Cell Populations Brenda L. Bohnsack, MD
8:09 AM – 8:10 AM	Presentation Ceremony Mohamad S. Jaafar, MD

OCULOPLASTICS – ANTERIOR SEGMENT

8:10 AM – 8:17 AM	Timing of Initial Frontalis Suspension for Congenital Ptosis Erin M. NaPier, BA
8:17 AM – 8:24 AM	Screening Corneal Tomography as a Helpful Adjunct in the Diagnosis of Keratoconus in Children with Down Syndrome Casey G. Smith

CATARACT

8:24 AM – 8:31 AM	Baseline Biometry of Eyes with Pediatric Cataract Compared to Age-Matched Controls Bharti R. Nihalani-Gangwani, MD
8:31 AM – 8:38 AM	Qualitative Comparison of Aphakic Contact Lenses in Children Noreen Shaikh, OD
8:38 AM – 8:45 AM	Myopic Shift Over Five Years Following Pediatric Lensectomy with Primary IOL Implantation Alejandra G. de Alba Campomanes, MD, MPH
8:45 AM – 8:52 AM	Is Aphakia Associated with Endophthalmitis in Pediatric Cataract Surgery? A Report from a Nationwide Insurance Claims Database Sarah Hilkert Rodriguez, MD

8:52 AM – 8:59 AM Risk of Developing Glaucoma-Related Adverse Event within Five Years Following Pediatric Cataract Surgery
Erick D. Bothun, MD

GLAUCOMA

8:59 AM – 9:06 AM Handheld Optical Coherence Tomography of the Irido-Corneal Angle before and after Goniotomy and Trabeculotomy in Primary Congenital Glaucoma
Ghada Gawdat

9:06 AM – 9:13 AM Outcomes of Baerveldt Glaucoma Drainage Devices in Pediatric Eyes
Adam Jacobson

9:13 AM – 9:20 AM The Ahmed Glaucoma Drainage Device: Long-term Clinical Outcomes in the Pediatric Population
Rebecca F. Neustein, MD

9:20 AM – 9:26 AM DISCUSSION OF TWO PREVIOUS PAPERS
Ta C. Chang, MD

9:26 AM – 9:33 AM Outcomes of Inferonasal Glaucoma Drainage Device Surgery in the Management of Refractory Childhood Glaucoma
Amal Al-Lozi

9:33 AM – 9:40 AM One Year Results of Gonioscopy-Assisted Transluminal Trabeculotomy in Pediatric Glaucoma
Reem Aboulhassan, MSc

9:40 AM – 9:55 AM **PANEL DISCUSSION**

9:55 AM – 10:55 AM Interactive Poster Session – Author Presentation and Q/A
2nd Set of Posters (B1-B100) – Authors Present – CME eligible
(Odd Numbered Posters 9:55 – 10:30; Even Numbered Posters 10:20 – 10:55)

11:00 AM – 11:30 AM AAPOS Updates

11:00 AM – 11:04 AM National Eye Institute Update
Michael F. Chiang, MD

11:04 AM – 11:08 AM ABO Update on Continuous Education
Julia L. Stevens, MD

11:08 AM – 11:12 AM IPOSC Update
Faruk H. Orge, MD

11:12 AM – 11:16 AM AAP Update
Steven E. Rubin, MD

11:16 AM – 11:20 AM JAAPOS Update
Kristina Tarczy-Hornoch, MD, DPhil

11:20 AM – 11:24 AM Meetings Update – Moscow, 2022
Paul Rychwalski, MD

11:24 AM – 11:30 AM AAPOS Website Update
Scott A. Larson, MD

PUBLIC HEALTH – REFRACTIVE ERROR

11:30 AM – 11:37 AM Association of Mood Disorders, Substance Abuse, and Anxiety Disorders in Children and Teens with Eye Disease
Elana A. Meer

11:37 AM – 11:43 AM Outcomes of Refractive Lens Exchange to Treat High Myopia in Special Needs Children & Adolescents
Nicholas Faron, DO

VISION ASSESSMENT – VISION SCREENING

11:43 AM – 11:50 AM Web-Based Pediatric Visual Acuity Testing At Home
Eileen E. Birch, PhD

11:50 AM – 11:57 AM Parent-Performed Visual Acuity Testing using Novel iPad Application
John A. Davis, MD

11:57 AM – 12:03 PM DISCUSSION OF TWO PREVIOUS PAPERS
Rahul Bhole, MD

12:03 PM – 12:10 PM Effectiveness of the Vision Screener using Updated Uniform 2021 AAPOS Guidelines
Savannah Reaves Monahan

12:10 PM – 12:17 PM Targeting Amblyopia with Diverse Technologies: Birefringent Scan, Autostereoscopic Rivalry and Photorefraction
Robert W. Arnold, MD

STRABISMUS SURGERY

12:17 PM – 12:24 PM Intermittent Exotropia: a Novel Surgical Algorithm Based on a Postocclusion Distance-Near Relationship
Alfred J. Cossari, MD

12:24 PM – 12:31 PM Strabismus Surgery in Orthotropic Patients: Rationale, Strategy and Outcomes
Warachaya Phanphruk, MD, MMSc

12:31 PM – 12:35 PM DISCUSSION OF PREVIOUS PAPER
Steven M. Archer, MD

12:35 PM – 12:42 PM Worldwide Outcomes of Nasal Transposition of the Split Lateral Rectus Muscle for Strabismus Associated with Bilateral 3rd-Nerve Palsy
Ankoor S. Shah, MD, PhD

12:42 PM – 1:00 PM **PANEL DISCUSSION**

2:00 PM – 3:15 PM Rapid Fire Poster Presentations
Moderator: Brenda L. Bohnsack, MD

7:00 PM – 10:00 PM Closing Reception

SUNDAY, MARCH 27, 2022

6:30 AM – 10:40 AM Registration

6:30 AM – 8:00 AM Breakfast

6:30 AM – 7:30 AM Poster Viewing (2nd Set) (Authors not present) – CME eligible

7:30 AM – 9:00 AM Difficult Non-Strabismus Problems Workshop
Phoebe D. Lenhart, MD; Faruk H. Orge, MD; Jason H. Peragallo, MD; Michelle T. Cabrera, MD; Priyanka Kumar, MD

9:10 AM – 10:40 AM Difficult Problems in Strabismus Workshop
William V. Good, MD; Erin Schotthoefer, MD; Nandini G. Gandhi, MD; Jane C. Edmond, MD; Linda R. Dagi, MD; Stephen P. Christiansen, MD; Steven E. Brooks, MD; Susan M. Carden, MBBS, FRANZCO, FRACS, PhD

10:40 AM End of 2022 Meeting

10:40 AM – 11:00 AM Poster Removal (2nd Set)

Hard Board Posters

Poster numbers are subject to change. Please check the final program for poster number at the meeting. Poster Boards are vertically (portrait) oriented.

First Set of Posters – Poster Session A

First set of posters will be displayed from 4:00 PM Wednesday, March 23 – 11:30 Friday, March 25

AMBLYOPIA

A1	A Predictive Model for Amblyopia Risk Factor Diagnosis in Preschool Children After Photoscreening Dakota Vaughan
A2	Binocular Contrast Sensitivity Deficits and Fixation Eye Movement Abnormalities in Amblyopia Fatema Ghasia
A3	Association of Initial Amblyopia Presentation with Neighborhood Quality Jean A. Adomfeh, MBA
A4	Early Amblyopia Therapy in Pediatric Open Globe Trauma Jacob S. Martin, MD
A5	Reading Ability in Children with a Unilateral Congenital Cataract Jennifer Momkus
A6	Association Between Motor Ability at 4½ years and Physical Activity at 10½ years in the Infant Aphakia Treatment Study Carolyn Drews-Botsch
A7	Stereopsis in the Infant Aphakia Treatment Study: Comparison between ages 4½ and 10½ E. Eugenie Hartmann

ANTERIOR SEGMENT

A8	BRAF V600E Immunohistochemical Studies of Pediatric Conjunctival Lesions Kelsey T. Chen, MA
A9	The Road to Diagnosis in VKC: A Qualitative Study of Patients' and Caregivers' Lived Experience Leonard Bielory, MD
A10	Anterior Chamber Granuloma: Conservative Treatment versus Surgical Intervention Sherin H. Sadek, MD

CATARACT – CATARACT SURGERY

A11	Clinical Profile of Pediatric Traumatic Cataract in Tertiary Hospital Fransiska Banjarnahor, MD
A12	Mydriasis in Paediatric Cataract Surgery using Intracameral Solution Jaspreet Sukhija
A13	Quantitative Comparison of Aphakic Contact Lenses in Children Magdalena Stec, OD, FAAO
A14	Long-term Visual and Anatomic Outcomes Following Late Surgery for Unilateral Persistent Fetal Vasculature: A Single-Center, 22-Year Review Kamiar Mireskandari
A15	Incidence and Predisposing Factors of Intraocular Lenses Tilt after Secondary IOL Implantation in the Ciliary Sulcus in Children: An Ultrasound Biomicroscopy Study Christina Farag, MD
A16	Outcomes For Combined Pediatric Cataract and Strabismus Surgery Alden P. Gregston, MD
A17	Is YouTube a Useful Tool for Trainees in Pediatric Cataract Surgery? Samiksha Fouzdar Jain

GENETIC DISORDERS

A18	Comparing and Correlating Hair, Skin and Iris Colour with the Degree of Fundus Pigmentation and to Evaluate its Usefulness in Clinically Differentiating Hermansky-Pudlak Syndrome from Ocular and Oculocutaneous Albinism in Chinese Asian Patients Karthikeyan Arcot Sadagopan, DNB, FRCS
A19	Will My Child with Albinism Lose Vision Over Time? Age-Related Vision Loss in Adults with Albinism Emily Rouse
A20	Will My Child Drive? What to Tell Parents of Children with Albinism Angela Mahoney

GLAUCOMA

A21	Diagnostic Yield of Two Gene Panel Assays for Nonacquired Childhood Anterior Segment Diseases Maria F. Villalba
A22	Congenital Nasolacrimal Duct Obstruction and Childhood Glaucoma Scott Sorenson
A23	Elevated Intraocular Pressure and Microvascular Retinal Injury Identified by Overhead Mounted Optical Coherence Tomography (OCT) in Two Infants with Glaucoma Samuel A. Alvarez-Falcon, MD
A24	Home Tonometry in the Management of Children with Uveitis at Risk for Developing Glaucoma Mehmet Eren Guner
A25	Current Practice Patterns for Topical Hypotensive Medication Usage in a Pediatric Glaucoma Population at a US Tertiary Referral Center Mehmet C. Mocan, MD
A26	An Analysis of the Socioeconomic Factors Impacting the Provision of Care to the Pediatric Glaucoma Population at a Single Center Michelle S. Attzs, MD
A27	Childhood Glaucoma Profile in a Tertiary Centre in Egypt According to the Childhood Glaucoma Research Network Classification Yasmine El Sayed
A28	Astigmatism and Strabismus Following Glaucoma Surgery in Children Vadim Igal, MD

NEURO-OPHTHALMOLOGY – NYSTAGMUS – CORTICAL VISUAL IMPAIRMENT

A29	Epidemiology of Extraocular Muscle Palsies and Internal Ophthalmoplegia after Herpes Zoster Ophthalmicus Noemí Rosello
A30	Radiological Findings in Patients with Isolated Acute-Onset Ocular Motility Disorders (AOMD) Vishaal Bhambhwani, MD
A31	Long-Term Visual Outcomes in Spasmus Nutans Lauren Hennein, MD
A32	Demographic and Clinical Characteristics of 600 Children With Nystagmus Richard W. Hertle, MD
A33	Remarkable Visual Acuity in Atypical Neuroanatomy and Cerebral Visual Impairment and Correlation with Visual Evoked Potentials: A Case Series Alexandra N. Zdonczyk
A34	Impact of Strabismus on Vision-Specific Quality of Life in Children with Cortical Visual Impairment Melinda Chang
A35	Functional Goals and Intervention Planning in Children with Cerebral Visual Impairment Terry Schwartz

OCULOPLASTICS

A36	The Use of Selemetinib as an Effective Non-Surgical Treatment Option for Pediatric Orbital Plexiform Neurofibroma Catherine S. Choi, MD
A37	Orbital and Eyelid Characteristics and Strabismus Severity in Children with Apert Syndrome Treated by Early Endoscopic Strip Craniectomy versus Fronto-Orbital Advancement Jenny C. Dohlman
A38	Microbial Patterns in Orbital Cellulitis Gil Binenbaum, MD, MSCE

PRACTICE MANAGEMENT

A39	Reduced Carbon Footprint of Virtual 2021 Annual Meeting of AAPOS Constance E. West, MD
A40	The Ineffectiveness of Referral/Authorizations in Pediatric Ophthalmology Private Practice. Lance M. Siegel, MD
A41	An Analysis of Medicaid Reimbursement Trends in Pediatric Ophthalmology in Arizona: Years 2015 to 2021 Jacob F. Smith, BS

PUBLIC HEALTH – TELEMEDICINE

A42	Evaluation of a Combined School-Based Vision Screening and Mobile Clinic Program Kendall Kruszewski
A43	Non-Cycloplegic Compared with Cycloplegic Refraction in a Chicago School-aged Population Megan E. Collins
A44	Demographic and Clinical Data from a High School-Based Eye Clinic in Southeastern Michigan Olivia J. Killeen, MD
A45	Caregiver Perceptions of the Early COVID-19 Pandemic Rescheduling Process at One Academic Pediatric Ophthalmology Practice Kenny Nguyen
A46	The Incidence and Characteristics of Pediatric Traumatic Hyphema Presenting during the COVID-19 Pandemic Olufemi E. Adams, MD
A47	Synchronous Patient-to-Provider Virtual Visits in Pediatric Ophthalmology During the Early COVID-19 Pandemic Raymond G. Areaux, Jr.
A48	Integrating Telemedicine in to the Post-Operative Experience for Children and Adults Anne Langguth, MD
A49	Evaluation of Video Glasses for Real-Time Hardware-to-Software Telemedicine Strabismus Consultations Across Multiple Graders Joy Li

RETINA

A50	Ultra-Wide-Field Oral Fluorescein Angiography in Children Elizabeth A. Conner
A51	Evidence-Based Screening to Optimize the Yield of Positive Ophthalmologic Examinations in Children Evaluated for Non-accidental Trauma Maxwell Su
A52	Distinguishing Traumatic Optical Coherence Tomography Findings in Young Children Alyssa Spiller, BS
A53	OCT Fixation Shift in Children with Foveal Hypoplasia Jingyun Wang, PhD
A54	Comparison of Sickle Cell Retinopathy Progression using Funduscopy and SD-OCT Jing Jin, MD, PhD
A55	Visual Outcomes and Retinal Characteristics in Children with Myelinated Retinal Nerve Fibers, Myopia and Amblyopia Sarah Patzelt, MD
A56	Laser Prophylaxis in Patients with Stickler Syndrome Saira Khanna, MD
A57	Early DMARD Therapy in Idiopathic Paediatric Uveitis Frederick R. Burgess
A58	Outcomes in Retinal Detachment Repair and Laser Prophylaxis for Optically Empty Syndromes Kirby Taylor, MS

RETINOPATHY OF PREMATURITY

A59	Association of Health Insurance Status with Severity and Treatment among Infants with Retinopathy of Prematurity Elise Timtim, MD, MBA
A60	Travel Burden in Treatment of Retinopathy of Prematurity Christian Warner, MD
A61	ROP Severity and Treatment Rate during COVID-19 in UK Doaa D. Elfadaly, MD, FRCS
A62	Evaluation of Risk Factors, Treatment, and Outcome of Patients with Retinopathy of Prematurity at Tertiary Hospital Widyastuti Pusparini, MD
A63	Unilateral or Sequential Treatment of Eyes with Bevacizumab for Retinopathy of Prematurity Daniel Nelson
A64	Comparing Recurrence and Retreatment of Three Doses of Bevacizumab in Treating Severe Retinopathy of Prematurity Jay Chopra
A65	Postnatal Growth and Neurodevelopment of Infants Treated with Bevacizumab for Retinopathy of Prematurity David L. Zhang, BS, BA
A66	Refractive Outcomes after Primary Bevacizumab Followed by Laser versus Primary Laser Alone for Retinopathy of Prematurity Lana D. Verkuil, MD
A67	Refractive Outcomes of Patients Treated for Retinopathy of Prematurity Ayesha Khan
A68	Long-Term Outcomes of Type 1 Retinopathy of Prematurity (ROP) after Treatment with Bevacizumab Monotherapy: A Canadian Experience Nasrin N. Tehrani
A69	Outcomes of Intravitreal Ranibizumab Followed by Laser Photocoagulation for Type 1 Retinopathy of Prematurity Derick Holt
A70	Risk Factor Analysis for Additional Treatment After Intravitreal Bevacizumab Monotherapy in Patients with Retinopathy of Prematurity Maria P. Fernandez, MD

STRABISMUS

A71	A Review of Pediatric Patients with Pseudostrabismus Jara A. Crear
A72	Increased Association of Mood Disorders, Schizophrenia, and Anxiety Disorders in Children with Strabismus Yoon H. Lee, MD
A73	Pediatric Strabismus is Associated with Increased Severe Functional Impairment Brian T. Cheng
A74	Impaired Hand Kinematics during Visually-Guided Reaching in Children Age 4 - 6 Years with Impaired Binocularity Krista R. Kelly
A75	Impaired Saccade Kinematics during Visually-Guided Reaching in Children Aged 7 - 12 Years with a History of Strabismus Dorsa Mir Norouzi
A76	The Ocular Rotational Axis Is More Medial than Normal in Esotropia Robert A. Clark, MD
A77	AS-OCT for Preoperative Visualization of EOMs in Adult Strabismus Patients Nermeen M. Bahgat
A78	Medial Rectus Insertion Site in Surgical Candidate Children with Esotropia Moustafa S. Abdelhafez, FRCS, MD
A79	Monofixation in Adult-Onset Divergence Insufficiency Type Esotropia Anne M. Dersch, MD
A80	Refractive Error in Unilateral Duane Syndrome Marielle P. Young
A81	The Pre-Equatorial Nasal Superior Oblique Tendon Syndrome Megan X. Law

STRABISMUS SURGERY

A82	3D Printing Surgical Applications in Pediatric Ophthalmology: A Case Series Alexander Young, MD
A83	Could Rare Earth Magnets be Used to Treat a 'Lost' Medial Rectus Muscle? Richard Helms, MD, PhD
A84	Sensorimotor Outcomes in the Surgical Management of High-Accommodative Convergence/Accommodation Ratio Esotropia Henry S. Bison, BS
A85	Effect of Bimedial Recession on Near Distance Disparity in Esotropia Alasdair Kennedy, FRCOphth
A86	Conventional Surgery Versus Botulinum Toxin Injection for the Management of Esotropia in Children with Down Syndrome. Taghreed Alnajjar
A87	Description of a New Surgical Technique for the Correction of Highly Myopic Esotropia Julia D. Rossetto, MD, PhD
A88	Conjunctival Resection and Caruncular Fixation for Complete Adduction Palsy Tanya S. Glaser, MD
A89	Surgical Dosing of Partial Sixth Nerve Palsy with Novel Incomitance Protocol for Improvement of Area of Single Binocular Vision Charles Zhang
A90	Surgical Techniques for Sagging Eye Syndrome: Avoiding Lateral Rectus Surgery Alan B. Richards, MD
A91	One-Step Triple Surgery for Large Esotropia in Chinese Patients with Chronic Six Nerve Palsy Chen Zhao, Prof
A92	Impact of Adding Augmented Superior Rectus Transpositions to Medial Rectus Muscle Recessions When Treating Esotropic Möbius Syndrome Linda R. Dagi, MD

VISION SCREENING

A93	Rate of Vision Screening at Well Child Checks for Ages 3-5: Optotype Versus Instrument Based Ian P. Boydston
A94	Age at Presentation of Vision Threatening Ocular Disease in the First 10 Years of Life: A Population-Based Study

	Lauren N. Diroff, MD
A95	Non-Refractive Vision Screening with Two Binocular Video Games and Birefringent Scanning Tsaina V. Mahlen
A96	Practice Considerations for the Implementation of Handheld Photo-screeners in Pediatric Clinics Joshua C. George, MPH
A97	2021 Instrument Referral Criteria for PlusoptiX, SPOT and 2WIN Targeting AAPOS 2021 Guidelines David I. Silbert
A98	Performance of the Spot Vision Screener in Children with Down Syndrome and Other Special Needs Lucy I. Mudie, MD, MPH

Second Set of Posters – Poster Session B

Second set of posters will be displayed from 4:30 PM Friday, March 25 – 10:40 AM Sunday, March 27

AMBLYOPIA

B1	Clinical Validation of a Novel Smartphone Application for Measuring Visual Acuity Stephen C. Hunter
B2	Recovery from Amblyopia with Cholinesterase Inhibition Carolyn Wu
B3	Dichoptic Treatment Using Virtual Reality Display for Amblyopia - A Pilot Study Yasmine Meqdad
B4	Reading Performance Improvement in Amblyopic Children Using Dichoptic Eye-tracking Training and an Eye-Tracking Based- 30 Second Reading Test Tamara Wygnanski-Jaffe, MD
B5	Patient Compliance Rates with A Novel, Online Platform for Tracking Amblyopia Treatment Tinh Le
B6	Implementation of a Novel, Web-Based Platform for Tracking Amblyopia Patients: Now with Automated Compliance and Visual Acuity Reporting Faruk H. Orge, MD

ANTERIOR SEGMENT – JIA – OCULAR TRAUMA

B7	Incidence and Clinical Characteristics of Infantile Conjunctivitis in a Western Population Cole E. Bothun
B8	Epibulbar Dermoids: Clinical Features and Surgical Outcomes Yordan R. Miranda-Cepeda, MD
B9	Corneal Thickness in Pediatric Cataract Jylan Gouda
B10	Characterization of Cataracts Within Trisomy 21 Patients Using Ultrasound Biomicroscopy Dhruv M. Shah
B11	Non-Descemet Stripping Endothelial Keratoplasty (nDSEK) in an Adolescent with Aphakia and Glaucoma Drainage Device Seung Ah Chung, MD
B12	Endoscopic Lensectomy-Anterior Vitrectomy Preceding Keratoplasty for Complex Pediatric Corneal Opacities: A Surgical Technique Maamoun A. Abdul Fattah
B13	18-Month Experience of Scheimpflug Imaging in Patients with Trisomy 21 at a Tertiary Pediatric Center Rebecca G. Edwards Mayhew
B14	Management of Thygeson's Superficial Punctate Keratitis in Children Maghal Gagrani
B15	Outcomes of Corneal Neovascularization Secondary to Inflammation in the Pediatric Population Adriana Grigorian
B16	Waardenburg Syndrome Associated Neurotrophic Keratopathy in a Child Treated with Neurotization Surgery Anania Woldetensaye
B17	Suture Selection in Repair of Traumatic Pediatric Corneal Injuries Timothy Truong, MD
B18	The Use of Biologics in the Treatment of JIA-Associated Uveitis in a Pediatric Cohort. A Single Center Retrospective Analysis Maha M. Youssef

B19	Population-Based Incidence and Clinical Features of Pediatric Ocular and Adnexal Trauma Grayson B. Ashby
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CATARACT – CATARACT SURGERY

B20	Outcomes of Unilateral Cataract Surgery in Children 7 to 18 years of Age: a Comparison to Younger Cohorts Anastasia A. Alex, MD
B21	Outcomes of Bilateral Cataract Surgery in Children 7 to 18 years of Age: a Comparison to Younger Cohorts Alaa Alsuradi, MD
B22	Scleral Fixation in Pediatric Aphakia with Insufficient Capsular Support: A Simple Technique Heba Fouad
B23	Evaluation of Secondary Implantation of Posterior Chamber Intraocular Lens following Pars-Plicata Lensectomy versus Limbal Approach in Aphakic Children. Hatem A. Saeed, MD
B24	Risk of Complications within Five Years of Primary Intraocular Lens (IOL) Surgery for Pediatric Cataract Jennifer A. Galvin, MD
B25	Intraocular Lens Exchange for the Management of Myopic Shift in Pseudophakic Children Rasha Zedan, MD

GENETIC DISORDERS

B26	Clinical Spectrum of Ectopia Lentis Presenting to a Specialist Children's Hospital Katie M. Williams, FRCOphth, PhD
B27	Clinical Ophthalmic Findings in Children with Alström Syndrome Yiyun Zhou, MD, PhD, MBA
B28	Craniosynostosis and GAPO Syndrome: A Report of Two Siblings and Histopathologic Findings Michelle M. Falcone

GLAUCOMA

B29	Glaucoma Surgery Complications in Children Compared to Adults using Insurance Claims Data Cyril Archambault, MD, FRCSC
B30	'Coming up Short' with an Illuminated Microcatheter for Circumferential Trabeculotomy Ab Externo in the Buphthalmic Infant Eye: Frequency and Options Robert Tauscher, MD
B31	Ologen Augmentation of Ahmed Glaucoma Valves in Children Brenda L. Bohnsack, MD
B32	Outcomes of Glaucoma Valve Implantation with Mitomycin-C, after Failure of a First Glaucoma Valve in Pediatric Glaucoma Veronique Promelle
B33	Safety and Efficacy of Netarsudil in the Management of Refractory Glaucoma Bo Wang
B34	Micropulse Laser Cyclophotocoagulation For Childhood Glaucoma Heidy C. Martinez, MD

NEURO-OPHTHALMOLOGY – OPTIC NERVE

B35	Ocular Manifestations of Ruptured Arachnoid Cysts in Pediatric Patients Michael A. Puente
B36	Etiologies and Outcomes of Optic Neuritis in Ohio's Pediatric Population Andrew Jilwan, MD
B37	Oral Fluorescein Angiography for the Diagnosis of Papilledema versus Pseudopapilledema in Children Abdelrahman M. Elhusseiny
B38	Leukemic Optic Neuropathy in Pediatric Patients: A Case Series Gina M. Johnson, BA
B39	Presumed Vincristine Ganglion Cell Toxicity Resulting in Binasal Visual Field Loss Aaron W. Winter, MD

OCULOPLASTICS

B40	Re-evaluating Clinical Signs of Orbital Cellulitis Lisa Y. Lin, MD, MBE
B41	Pediatric Eyelid and Canalicular Lacerations: Epidemiology and Outcomes Jonathan Huang, BS
B42	Surgical Results and Aesthetic Outcomes of Percutaneous Aspiration of Superficial Periorbital Dermoid Cysts vs Excision In Toto Kareem B. Elessawy

PUBLIC HEALTH

B43	Development and Evaluation of a Novel Online Case-based Learning Tool in Pediatric Ophthalmology for Pediatric Clerkship Students Jessica H. Tran, BS
B44	Ophthalmology on Tiktok: An Analysis of Hashtags Rupa K. Wong, MD
B45	Accuracy of the International Classification of Diseases, 9th Revision for Identifying Infantile Eye Disease Timothy T. Xu, MD
B46	Non-Inferiority of a Small Volume Eye Drop Adapter for Pediatric Pupillary Dilation and Cycloplegia Charis Hoppe
B47	A Large Population Study Reveals a Novel Association between Congenital Color Vision Deficiency and Environmental Factors Eedy Mezer
B48	The Epidemiology of Strabismus and Cataracts Within a Pediatric Population in Saint Vincent and the Grenadines: An Analysis of 201 Consecutive Cases Virang Kumar
B49	Trends in the Incidence and Sex Differences of Type I and Type II Diabetes Mellitus Diagnosed in a 50-year Population-based Cohort of Youth Patricia Bai, BA
B50	Adult Retinal Vascular Severity Score Significantly Correlates with History of Preterm Birth Leah A. Owen

REFRACTIVE ERROR

B51	Refractive Changes in Children in the Chicagoland Area during the COVID-19 Pandemic Eugene Kim, BA
B52	Design of Novel 3-D Printed Adjustable Glasses: An Opportunity to Address Pediatric Uncorrected Refractive Error Mari Ogino

RETINA – RETINOBLASTOMA

B53	Defining the Gold Standard of a Red Reflex Exam: A Systematic Review Ana Janic, MSc
B54	Full Field Electroretinography with Skin Electrodes to Diagnose Inherited Retinal Disease in Pediatric Patients Katherine Brown, MD
B55	Utility of Electroretinogram for Screening for Vigabatrin toxicity in a Pediatric Cohort Natasha Gautam, MD
B56	Hydroxychloroquine Retinopathy in Children Reed Jenkins, BA
B57	Retinal Lamellar and Vascular Characteristics in Patients with Incontinentia Pigmenti Christina Gerth-Kahlert
B58	Pediatric Optical Coherence Tomography (OCT) Made Easy: Establishing Normative Retinal Layer Thickness Ratios for Interpretation of Handheld Macular OCT in Clinic Matthew L. Haynie, MD
B59	Risk Factors Associated with the Development of Foveal Hypoplasia in Preterm Children Stephanie R. Beldick, MSc
B60	Anterior Segment Complications after Intravitreal and Periocular Injections of Chemotherapeutic Agents in the Treatment of Retinoblastoma Patients Cigdem Ozturk, MD
B61	Quantifying General Anesthesia Exposure for Pediatric Retinoblastoma Patients

RETINOPATHY OF PREMATURITY

B62	Evaluating the Efficacy of Targeted Written Patient Education Materials in the Improvement of Understanding and Outpatient Follow-up Compliance for Retinopathy of Prematurity Moran Levin
B63	The Role of Informational Videos in Parental Education Concerning Retinopathy of Prematurity Exams Elias M. Mullane
B64	Risk Factors for Severe Retinopathy of Prematurity Among Low-Risk Infants Lauren A. Tomlinson, BS
B65	Evaluation of a Single-Exam Risk Prediction Model of Severe Retinopathy of Prematurity on Premature Infants from India Aaron S. Coyner
B66	Retinopathy of Prematurity (ROP) Rates After Transition from Multi-bed to Single-bed Neonatal Intensive Care Unit (NICU) Sonia K. Scallon
B67	Video Indirect Ophthalmoscopy Training Curriculum for Retinopathy of Prematurity Michelle Go
B68	Effect of Gender on Retinopathy of Prematurity Severity Among Multiple Gestation Infants Joshua L. Jones, MD
B69	Type 1 Retinopathy of prematurity (ROP) in Near Full-Term Heavier Birth Weight (BW) Infants Sara Maher, MD
B70	Evaluating Sucrose as Pain Management in Retinopathy of Prematurity (ROP) Exams at the Alberta Children's Hospital Vision Clinic Michael D. Penny
B71	Out of Sight: ROP Screening in Infants with Significant Corneal Opacity Seema Emami
B72	Retinopathy of Prematurity in Triplets Manjushree Bhate
B73	Neonatal Vital Signs Using Non-Contact Laser Speckle Contrast Imaging Compared to Standard Care in Retinopathy of Prematurity Screening Tara Balasubramanian
B74	Human Grader versus Semi-Automated Computer Ranking of Tortuosity and Dilation of Posterior Pole Vessels Using Retinal Vessel Maps Generated from Bedside Optical Coherence Tomography Kai R. Seely
B75	Semi-automated Analysis of Foveal Maturity in Premature and Full-term Infants using Handheld Swept-Source Optical Coherence Tomography Sumner E. Lawson
B76	Evaluation of Artificial Intelligence-Based Retinopathy of Prematurity Screening in South India Minn A. Oh, PhD

STRABISMUS

B77	AAPOS Adult Strabismus Committee's Report on the Status of Adult Strabismus Telemedicine Aldo Vagge, MD, PhD
B78	Strab-Bot - A Data Processing Algorithm to Facilitate Use of Strabismus Exam Data in Clinical Research and Quality Outcome Measurements Yvette Schein, BA
B79	Accuracy of Eyemeter as a Deep Learning Tool for Identifying Strabismus in Pediatric Patients Sarah Ziaei
B80	Comparison between the Time Required to Take Nine-Direction Ocular Photographs Using Conventional Method and a Novel Convenient Application Keiko Kunimi, MD
B81	Understanding the Use of Control Scores in Intermittent Exotropia: Newcastle, PEDIG, and LACTOSE Tobin B. Thuma
B82	Standard vs. Reduced Numbers for the Management of Intermittent Exotropia in Children \leq 6 Years Ahmed Nasreldeen, MD
B83	Gaze Fixation as a Predictive Marker for Strabismus and Vergence Insufficiency in Parkinson's Disease Aasef Shaikh
B84	Clinical Characteristics of Adult Onset Myopic Eye Sagging Syndrome (MESS)

	Shonar Singh
B85	Association of Fusional Amplitudes with Surgical Outcomes in Pediatric Strabismus Sameera Nadimpalli
B86	Cylindrical Lens Transforms Red and Green Laser Pointers into Streak Generators Used for Lancaster Red-Green Testing at Minimal Cost Mireille N. Jabroun, MD
B87	Inferiorly Displaced Lateral Rectus Muscles in V-Pattern Exotropia Stephanie L. Coté, MD, MPH

STRABISMUS SURGERY

B88	Global Virtual Strabismus Surgery Teaching for Ophthalmology Residents During Covid-19 Alison X. Chan, BS
B89	Use of 3D Heads-Up Display for Strabismus Surgery Matthew D. Gearinger
B90	Extraocular Muscle Ductions Following Nasal Transposition of the Split Lateral Rectus Muscle Isdin Oke
B91	Surgical Approach for Treatment of Congenital Exotropia in Children with Neurologic Impairment Tatiana S. Zanganeh, MD
B92	Unilateral 4-Muscle Surgery for Large Monocular Constant Sensory Exotropia Allison C. Umfress
B93	Surgical Outcomes of Combined Ipsilateral Inferior Oblique and Superior Rectus Recession for Superior Oblique Palsy with Hypertropia in Abduction Solin Saleh
B94	Y-Split Muscle Technique with Adjustable Sutures as an Alternative to Faden Sutures in Incomitant Paralytic or Restrictive Strabismus Jon Peiter Saunte, MD
B95	Small Tuck for Superior Oblique Palsy Chavisa Bunyavee, MD
B96	Z-Split Myectomy versus 7/8 Posterior Tenectomy for Brown Syndrome Tricia A. Fernandez, MD
B97	Superior Rectus Recession for Vertical Strabismus with Limitation of Depression in Abduction Michael Langue, MD