AGS MISSION STATEMENT

AGS is the preeminent organization dedicated to improving the lives of all people with glaucoma and those at risk by leading the advancement of education, research, health care access, and advocacy.

The American Glaucoma Society thanks Alcon for supporting the educational portions of the 34th AGS Annual Meeting.
Welcome to AGS 2024

Dear Colleagues,

Welcome to the 34th Annual Meeting of the American Glaucoma Society in the legendary Surf City USA! Your AGS Program Committee has produced a dynamic meeting that showcases the highest-caliber papers, posters, and symposia. Get ready to hear from experts and participate in discussions on every aspect of our field, including topics in these can’t-miss sessions:

- Through the Patient’s Eyes: Patient Engagement Event (Wednesday, 5:30 PM)
- Cases & Cocktails (formerly Superbowl of Grand Rounds) (Thursday, 6:30 PM)
- Glaucoma Innovation Summit (Friday, 4:30 PM)
- CSF (Creatively Sharing Ideas & Inspirations) – Throughout the Meeting
- Breakfast Roundtables (Sunday, 7:30 AM)

Huntington Beach is as rich in history, natural resources, and beautiful scenery as AGS 2024 is in glaucoma luminaries. We’re happy that you can join us in saluting our 2024 honorees:

- Guest of Honor – Robert N. Weinreb, MD
- AGS Lecture – James D. Brandt, MD
- President’s Award – Joshua D. Stein, MD, MS
- Innovator Award – Ronald L. Fellman, MD
- Surgery Day Lecture – Andrew G. Iwach, MD
- International Scholar Award – Keith Barton, MD, FRCP, FRCS
- Outstanding Educator Award – Sharon Freedman, MD
- Humanitarian Award – James F. Martone, MD
- Clinician-Scientist Lecture – Arthur J. Sit, SM, MD

This is a great time to reconnect with old friends and make new ones in this relaxing, resort-like setting. Don’t forget to set aside time to explore nearby attractions such as walking along the beach front to the shops, dining near the Huntington Beach Pier, viewing the collections of surfing memorabilia and culture at the International Surfing Museum only one mile away, or enjoying the resort activities including cabana rentals, fire pits by the ocean and surfing lessons. The options are as swell as the surf!

Leon W. Herndon Jr., MD
President

Michele C. Lim, MD
Program Chair
# Contents

- Leadership and Program Committee ........................................ 4
- AGS Foundation ............................................................... 5
- AGS Policies ................................................................. 6
- CME Financial Disclosures ..................................................... 9
- Meeting Information .......................................................... 13
- Registration Information ....................................................... 15
- Hotel Map ............................................................... 17
- History of the AGS ........................................................... 18
- AGS Meetings ............................................................... 20
- AGS Lecturers and Award Recipients ..................................... 22
- Research Fellowship Awards and Programs ......................... 25
- Honorees and Lecturers ...................................................... 29
  - Guest of Honor ............................................................ 30
  - AGS Lecturer ............................................................. 31
  - President’s Award ......................................................... 32
  - Innovator Award ........................................................ 33
  - Surgery Day Lecturer ..................................................... 34
  - International Scholar Award .......................................... 35
  - Outstanding Educator Award ......................................... 36
  - Humanitarian Award .................................................... 37
  - Clinician-Scientist Lecturer ........................................... 38
- Program Schedule .............................................................. 39
- Symposia ........................................................................ 51
- Breakfast Roundtable Discussions ................................... 61
- Workshops ................................................................. 63
- Poster Schedule ............................................................... 65
  - Poster abstracts are available online at www.americanglaucomasociety.net
- New Members ................................................................. 71
American Glaucoma Society 34th Annual Meeting

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Geoffrey T. Emerick, MD – Patient Care Chair
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Christopher A. Girkin, MD, MSPH – Past President
Thasarat S. Vajaranant, MD – Lead Ambassador
Douglas J. Rhee, MD – Nominating Committee Chair
Ann Caroline Fisher, MD – Diversity, Equity & Inclusion Committee Chair

Executive Vice President
Gregory L. Skuta, MD

Goal of the AGS Annual Meeting
The goal of this meeting is to provide Members and guests of the American Glaucoma Society a professionally stimulating forum in which they can exchange information and ideas regarding the diagnosis and treatment of glaucoma and present new developments in glaucoma research.

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www.americanglaucomasociety.net

Accreditation Statement
This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American Academy of Ophthalmology and the American Glaucoma Society. The American Academy of Ophthalmology is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation Statement
The American Academy of Ophthalmology designates this other (blended live and internet live) activity for a maximum of 20.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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Richard J. Simmons, MD: 1989-1990
Allan E. Kolker, MD: 1993-1994
M. Bruce Shields, MD: 1995-1996
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Richard P. Wilson, MD: 2003-2004
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Robert N. Weinreb, MD: 2007-2008
Theodore Krupin, MD: 2009-2010
Jeffrey M. Liebmann, MD: 2011-2012
Kuldev Singh, MD, MPH: 2013-2014
David S. Greenfield, MD: 2015-2016
Cynthia Mattiox, MD: 2017-2018
Dale K. Heuer, MD: 2019-2020
Donald L. Budenz, MD, MPH: 2020-2021
Ronald Leigh Fellman, MD: 2021-2022
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Kourosh Nouri-Mahdavi, MD, MSC – Vice Chair
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Leo K. Seibold, MD – Surgery Day Co-chair
Husam Ansari, MD, PhD
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Vikas Chopra, MD
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Rachel W. Kuchtey, MD, PhD
Sarah R. Wellik, MD
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Leon W. Herndon Jr., MD (President – Ex-Officio)
AGS Foundation

Mission of the Foundation
The mission of the American Glaucoma Society Foundation is to support glaucoma research and education and to promote excellence in the care of patients with glaucoma.

The Board of Directors is charged with overseeing these efforts by identifying unmet needs, devising strategies to address them, and advancing the field through support of research, education, and training.

Each of the stakeholders in our field (patients, clinicians, scientists, industry, government and non-governmental organizations) plays a vital role; collaboration is critical for success. We strive to support and create programs that will make the difference in our field and for our patients.

Help us make a difference!
Make your donation today!

American Glaucoma Society Foundation
PO Box 884648
Los Angeles, CA 90088

Board of Directors
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AGS Policies

Annual Meeting Conflict of Interest Issues
The AGS Program Committee takes conflicts of interest very seriously and expects all AGS Members to do the same. All participants in the program have submitted a Financial Disclosure Form that has been reviewed by the Program Chairs and Program Committee. A Conflict of Interest Resolution Form is used when deemed appropriate. An example of the Conflict of Interest Resolution Process is shown below. If you have any concerns about the content of or perceived conflicts of interest in the Annual Meeting, please bring them to the attention of the Program Committee Chair, Dr. Michele Lim, or the Program Committee Vice Chair, Dr. Kouros Nouri-Mahdavi, or the Chair of the AGS Ethics Task Force, Dr. Leon Herndon, as soon as possible.

Financial Conflict Resolution Process
All financial conflicts of interest must be resolved. CME providers require that everyone who is in a position to control the content of an educational activity disclose all financial relationships with any commercial interest within the past 24 months. Those whose conflicts are not resolved by one of the following methods must be disqualified.

- Presenter limits the conflict to report information that is related to the conflict without recommendations
- Presenter references the "best available evidence in literature" and the grade or level of that evidence and identifies the conclusions that the evidence supports
- Presenter steps aside and allows someone else to present

Disclosure and Resolution of Conflict of Interest Policy
The AGS ensures that all leaders, volunteers, staff, or any individuals involved in planning and production of AGS activities will disclose any and all potential conflicts of interest and resolve them prior to the activity.

Procedure
The process for ensuring compliance with this policy applies a multistep approach, including prevention and monitoring/evaluation.

Identification
All individuals who are involved with planning activities must sign and submit a Financial Disclosure Form prior to planning the activity. All financial relationships with any commercial interest must be disclosed. Individuals subject to this requirement include, but are not limited to, activity course directors and program chairs, planning committee members, faculty/speakers/presenters, authors, editors, expert reviewers, moderators, panel members, and AGS staff in position to control content. All financial disclosures must be provided through the AGS online disclosure form or in another pre-approved format.

Relevant financial relationships must be disclosed to learners prior to the continuing education activity. Information provided in this manner includes the name of the individual, the name of the commercial interest(s), and the nature of the relationship the person has with the commercial interest(s). If an individual has no relevant relationship, then this must also be disclosed in advance to the learning audience.
Resolution

All faculty and non-faculty involved with the planning or implementation of an activity who disclose a conflict of interest must resolve that conflict prior to the activity. Appropriate mechanisms for resolution will be identified by the Program Committee and can include the following:

Non-faculty Resolution

A non-faculty member (e.g., staff) who has an identified conflict of interest will be asked to excuse themselves from any discussion/decision-making process where the conflict of interest would come into play.

Faculty Member Resolution

Peer Review: A faculty member with a conflict of interest must submit their work to a panel for peer review. Recommendations of the panel, as they relate to the conflict, must be taken. If the faculty member refuses the recommendations, they will be asked to resign and a new faculty member will be appointed.

Or

Evidence Based: Material to be presented must be the best available evidence in the literature, supported by the grade or level of that evidence and by identifying the conclusions that the evidence supports.

Or

Other methods deemed appropriate by AGS.

Refusal to Disclose

Non-faculty

If a non-faculty member refuses to disclose conflicts of interest, then that person will be asked to step down from the position requiring disclosure of conflicts of interest.

Faculty Member

If a faculty member refuses to disclose, they will be replaced and not considered to present until such disclosures are made.

Additional Information

Additional information may be requested of faculty/non-faculty to assist in the resolution of the conflict of interest. Resolution of the conflict of interest must also be disclosed to the audience in advance.

Off-Label Disclosure

In addition, all faculty members are required to disclose to learners off-label and/or investigational use of a product and any limitations on the information presented, including preliminary data, anecdotal evidence, or unsupported opinion.

Evaluation/Monitoring for Bias

CME activity participants are surveyed about perceived commercial bias as part of the post-activity evaluation.

Diversity Policy

The Board of Directors of the AGS recognizes that this organization is best served by representation from the broadest possible diversity of member background, experience, and professional activities setting. As a policy, the Board of Directors is committed to diverse representation on the Board and its committees and staff without regard to race, religion, national origin, sexual orientation, age, gender, or physical disability.
CME Violations

When a potential violation of Accrediting Council for Continuing Medical Education rules occurs during a CME-generating activity at an AGS Annual Meeting or other AGS event, the Program Committee Chair, if they have not personally witnessed the violation, will initiate an investigation into the occurrence by speaking with selected members of the audience, as well as the individual(s) charged with the violation. The Program Committee Chair may request copies of the presentation materials, including slides and outlines. The Program Committee will review the results of the investigation. The Program Committee may require consultation with the CME-accrediting body to determine if a violation has occurred. If it is determined that a violation exists, the Program Committee Chair will communicate directly with the offender to educate them on the nature of the violation, review ACCME rules, and issue a warning that potential penalties for future violations may include inability to present at future meetings. Copies of all communication in this regard will be filed with the CME accrediting body.

If an individual commits a second violation, the Program Committee Chair will convene the Program Committee to review the details of both violations and to issue a recommendation to the AGS Board of Directors (BOD) regarding an appropriate penalty for the individual. The AGS BOD may accept, deny, or modify the Program Committee recommendations. The Program Committee Chair (alone or together with the AGS president) will then communicate this final decision to the offending individual.

AGS Board Approved – October 2014
### CME Financial Disclosures of Board of Directors, Program Committee, and Participants

**Category** | **Code**
---|---
Ownership Interest | OI
Research Grant to my Institution (principal or named investigator) | RGI
Research Grant to my private practice | RGP
Individual Stock - Private Company | SPR
Individual Stock - Public Company | SPU
Employee | E
Stock Options | SO
Honorarium | H
Lecture Fees | L
Consultant/Advisor Fees | C
Executive Role | EX
Royalty/Patent Beneficiary | RP
Independent Contractor | IC
Other | O

#### Board of Directors

- **Al-Aswad, MD, MPH, Lama**
  - O - AI Optics, Virtual Field
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  - RGI - MO - Cabrini Foundation, Topcon Medical Systems Inc
  - RGP - Save Vision Foundation

- **Herndon Jr., MD, Leon W.**
  - RGI - Ocular Therapeutix
  - C - Alcon, Allergan, New World Medical, Glaukos, Sight Sciences, Balance Ophthalmics

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  - RP - Nova Eye
  - SO - Olleyes
  - L - Olleyes

- **Giaconi, MD, JoAnn**
  - SO - MediPrint ophthalmics

- **Girkin, MD, MSPH, Christopher**
  - RGI - Heidelberg Engineering Inc, National Eye Institute, EyeSight Foundation of Alabama, Centers for Disease Control and Prevention
  - C - Topcon Inc

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  - RGI - Carl Zeiss Meditec, Google, Heidelberg Engineering, Reichert
  - RP - nGoggle

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  - C - Alcon, Allergan, New World Medical

- **Rhee, MD, Douglas J.**
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- **Chaya, MD, Craig J.**
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  - RGI - Abbvie, Iantrek, Ivantis, Alcon

- **Kuchtey, MD, PhD, Rachel**
  - RGI - NIH

- **Xu, MD, PhD, Benjamin**
  - C - Abbvie, ArcScan
  - RGI - Heidelberg Engineering, Ocular Therapeutix

#### Program Committee

- **Lim, MD, Michele**
  - RGI - Santen, Inc.
  - H - Santen, Inc.
  - C - Santen, Inc.
All Participants

Ahmed, MD, Iqbal
RGI - Alcon, Allergan, Bausch, Glaukos, iStar Medical, Santen, MST Surgical
L - Alcon, Allergan, Bausch Health, Centricity Vision, Glaukos, iStar Medical, Ivantis, Johnson & Johnson, Nova, Radiance Therapeutics, Santen, Sight Sciences, Thea, Zeiss

H - Alcon, Bausch Health, Centricity Vision, Glaukos, Gore, iStar Medical, Ivantis, Johnson & Johnson, Radiance Therapeutics, Nova, Santen, Sight Sciences, Thea, Zeiss,
C - Corneal Vision, Custom Surgical, Iantrek, PolyActiva, Stroma, Vialase, Smartlens Inc, Ocular Instrument

Blieden, MD, Lauren
C - Alcon, Abbvie/Allergan, Heidelberg
H - Alcon

Boland, MD, PhD, Michael
L - Carl Zeiss Meditec
C - Allergan, Carl Zeiss Meditec, Janssen, Topcon Healthcare

Brandt, MD, James D.
SPU - Glaukos
C - Thea, Eyenovia

Chang, MD, Robert T.
RGI - Alcon, genentech, intalight
H - Abbvie, Aerie
C - Abbvie, contacts, verana health, ocular therapeutics, sight sciences, optomed, apple, smartlens, xp health, New World Medical, Dome

Chen, MD, Teresa C.
RGI - Alcon, Fidelity Charitable Fund, NIH

Coleman, MD, PhD, Anne L.
C - Alcon Research Institute Foundation Laboratories THEA S A A

Dea, MD, Magnolia K.
C - ImmunoGen, GSK

Edmond, MD, Jane C.
C - Senseye

Feldman, MD, Robert
C - Bausch and Lomb, Santen, Catawba, Alcon

Fleischman, MD, David
RGI - Optopol

Francis, MD, Brian
RGI - Abbvie Allergan, Alcon
L - Bausch and Lomb, Aerie
C - BVI, Iridex, Virtual Vision, MSTC

Garg Shukla, MD, Aakriti (Aaki)
RGI - Allergan
L - Otsuka Pharmaceuticals
C - Allergan, Thea Pharmaceuticals
H - Thea Pharmaceuticals

Goldberg, MD, PhD, Jeffrey L.
C - ONL Therapeutics, ReNetX Bio, Thea, TwentyTwenty

Greenwood, MD, Michael
C - Aerie, Alcon, Glaukos, Imprimis, Johnson & Johnson, New World Medical, Sight Sciences, STAAR, Valeant
C - Aerie, Allergan, Imprimis, Ivantis, New World Medical, Ocular Therapeutics, Zeiss, BVI, Nevakar

Grover, MD, MPH, Davinder
C - Allergan, CATS, Olneyes, New World Medical, Sanoculis, Versant Health, Belkin Vision, iStar Medical, Regeneron, Nova Eye, Reichert
RGP - Allergan, New World Medical
L - Allergan, Reichert, Olneyes, New World Medical

Harasymowycz, MD, FRSC, Paul
H - Abbvie/Allergan, Alcon, Ivantis, Johnson & Johnson
RGI - Johnson & Johnson
C - Abbvie/Allergan, Bausch & Lamb, Glaukos, Ivantis, New World Medical, Santen
L - Abbvie/Allergan, Alcon, Glaukos, Johnson & Johnson, Ivantis, New World Medical, Bausch & Lamb, ZEISS

RGP - Abbvie/Allergan, Alcon, Glaukos, Ivantis,

Havens, MD, Shane J.
H - Glaukos
RGI - istar

Howard, MD, PhD, Gayle
L - Bausch and Lomb
C - Bausch and Lomb

Huang, MD, PhD, David
RGI - Visionix/Optovue, Intalight, Cylite
RP - Visionix/Optovue, Genentech

Iwach, MD, Andrew G.
SPU - EyeNovia
C - Belkin Lasers, Alcon, Ophthalmic Mutual Insurance Company,

Johnson, MD, PhD, Thomas V.
C - Perfuse Therapeutics, Abbvie
RGI - Perfuse Therapeutics, InjectSense, iCare USA, Alcon, FireCyte Therapeutics

Khan, MD, Noureen
C - Sight Sciences

King, MD, MMedSci, Anthony
C - Thea Pharmaceuticals

Kolko, MD, PhD, Miriam
RGI - Laboratoires Thea
L - Abbvie, Laboratories Thea, Santen, Topcon
C - Abbvie, Laboratories Thea, Santen

Larsen, MD, Christine
C - Santen, MicroOptx
H - Thea

Bedrood, MD, PhD, Sahar
C - Glaukos, Allergan/Abbvie, Glaukos, Thea, Elsio Vision
L - Abbvie, Glaukos, Allergan/Abbvie, Glaukos
H - Abbvie, Glaukos, Allergan/Abbvie, Glaukos
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Leshno, MD, Ari
RGI - Topcon inc., Hiedelberg Eng, Jane and David Walentas Glaucoma Research Fund, Schur Family Glaucoma Fellowship

Lin, MD, PhD, Ken
C - Alcon

Liu, MD, PhD, Wendy
RP - Stanford University

Mansberger, MD, MPH, Steven L.
C - Nicox, Perfuse, Thea
SO - Nicox
RGI - Abbvie, Thea, Visus

Medeiros, MD, PhD, Felipe
C - Allergan/Abbvie, Annexon, Galimedix, Novartis, Stealth BioTherapeutics, Stuart Therapeutics, Thea, Carl Zeiss Meditech, Reichert
RGI - Carl Zeiss Meditec, Google, Heidelberg Engineering, Reichert
RP - nGoggle

Miller Ellis, MD, Eydie
C - Allergan/AbbVie, Aerie, Thea, Eyenovia
O - Avisi
RGI - NIH NEI

Mosaed, MD, Sameh
RGI - Sightsciences
C - Allergan, Skye Biosciences

Moster, MD, Marlene
H - Aerie, Alcon, Abbvie/Allergan, Bausch & Lomb
L - Aerie, Alcon, Abbvie/Allergan, Bausch & Lomb, Iridex
RGI - Alcon, New World Medical
RGP - Alcon, Allergan/Abbvie, Bausch, Iridex, Glaukos, Innfocus Santen, Nicox

Ndukwe, BS, MD, Tochukwu
RGI - Illinois Society for the Prevention of Blindness, Health Equity Pilot Grant - Blue Cross Blue Shield, Research to Prevent Blindness

Noecker, MD, MBA, Robert
C - Allergan, Alcon, Glaukos, IOP Inc, Nova, Sight Sciences, Bausch, Iridex, BVI
L - Alcon, Glaukos, IOP Inc, Nova, Sight Sciences, Bausch, Iridex, BVI
RGP - Allergan, Glaukos

Olivier, MD, Mildred MG
C - Aerie
O - NIH
L - Bausch and Lomb
RGP - Allergan

Palmberg, MD, PhD, Paul F.
C - Glaukos, Santen

Panarelli, MD, Joseph
C - Abbvie, Alcon, Santen, Glaukos, Corneat, Corneagen, New World Medical, Zeiss, Nova Eye, AOI Ophthalmics

Pazos López, MD, PhD, Marta
L - Abbvie/Allergan, Carl Zeiss Meditec, Santen, Thea, Glaukos
C - Abbvie/Allergan, Carl Zeiss Meditec, Santen, Thea, Glaukos
RGI - Abbvie/Allergan

Piltz-Seymour, MD, Jody
C - Alcon, Nanoscope Therapeutics
IC - Nanoscope Therapeutics

Radhakrishnan, MD, Sunita
SO - Netra Sytems Inc

Sached, MD, Osamah
RGI - Aerie, Heidelberg Engineering, JuneBrain, Vasoptic Inc
H - Heidelberg Engineering, Topcon
L - Heidelberg Engineering

Salim, MD, Sarwat
C - Alcon

Samuelson, MD, Thomas W.
H - Allergan, Glaukos, Imprimis, Ivantis, New World Medical, Sight Science
SO - Balance, Belkin Vision, Elios, Equinox, Ivantis, Sight Science, Vialase, Tear Clear, Ocufiure

Schuman, MD, Joel S.
C - Zeiss, Opticient, Ocular Therapeutics, Perfuse, SLACK Inc, AEYE Health, Ocugenix, Alcon
SO - AEYE Health, Ocugenix
RGI - Perfuse
RP - SLACK Incorporated, Ocugenix

Seibold, MD, Leo
C - New World Medical, Equinox, Allergan, Oculus Surgical

Shah, MD, Manjool
C - AbbVie, Alcon, ONL Therapeutics, Glaukos, Bausch and Lomb, Elios

Shen, MD, Lucy Q.
C - FireCyte Therapeutics

Shetty, MD, Rajesh
RGP - Alcon
C - Alcon

Sheybani, MD, Arsham
C - Abbvie, Alcon, Glaukos, new eye, santen, New World Medical

Sieck, MD, Erin
C - Allergan

Sit, SM, MD, Arthur J.
C - Globe Biomedical, Injeetsence Inc, PolyActiva Pty, Santen
RGI - Qlaris Bio Inc, Nicox Ophthalmics Inc
SO - Global Biomedical, Inc

Smith, MD, Oluwatosin
SPU - Nova Eye
L - Allergan, Bausch
RGP - Allergan, Glaukos
C - Allergan, Alcon, Bausch, Santen, New World Medical, Glaukos, Sanoculis, Belkin, Elios

Sola-Valle, MD, David
C - BVI, Thea Pharma, New World Medical
L - Allergan

Stalmans, MD, PhD, Ingeborg
C - Abbvie, EyeD Pharma, Horus Pharma, Santen, Théa Pharma, Alcon
RGI - Théa Pharma
L - Omikron

Sun, Yang
RGI - NIH

Swaminathan, MD, Swarup S.
L - Heidelberg Engineering
RGI - National Eye Institute
C - Abbvie, Ivantis, Sight Sciences, Topcon

Tan, PhD, Ou
RP - Visionix, CA

Tanaka, MD, George
H - Nova Eye Medical
L - Abbvie, Alcon
Topouzis, MD, PhD, Fotis  
RGI - Omikron, Pfizer, Thea  
C - Bausch & Lomb, Omikron, Thea  
O - Abbvie Alcon, Bayer  
L - Abbvie, Omikron, Roche  

Vazquez, MD, PhD, Luis E.  
L - New World Medical Inc.  

Yohannan, MD, MPH, Jithin  
C - Abbvie, Topcon  
RGI - Genentech, NEI/NIH  

Yousefi, PhD, Siamak  
O - Remidio and M&S Technologies  
RGI - Enolink  

Yung, MD, Edward  
C - Abbvie/Allergan, Alcon, Glaukos, New World Medical, Tarsus  
L - Alcon, New World Medical, Oculus Surgical, Physician Recommended Nutriceuticals  

Zangwill, PhD, Linda  
C - Abbvie, Topcon  
RGI - Heidelberg, Optovue, Topcon, Zeiss  

---  

**No Relevant Financial Relationship**  

Abou Khzam, MD, Rayan  
Al-Aswad, MD, MPH, Lama  
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Borges, Angelina  
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Krawitz, MD, Brian  
Laroche, MD, Daniel  
Lee, MD, PhD, Richard K.  
Liu, MD, MS, Yao  
Maa, MD, April  
Minato, Gina  
Moghimi, MD, Sasan  
Muir, MD, Kelly  
Nysather, Deborah  
Ou, MD, Yvonne  
Perez-Grossmann, Rodolfo  
Pickering, MD, Terri  
Qu, MD, Mary  
Rosdahl, MD, PhD, Jullia Ann  
Rosenberg, MD, Lisa  
Salazar, MD, Humberto  
Sanvicente, MD, Carina  
Siegfried, MD, Carla  
Solish, MD, Samuel Paul  
Teng, MD, Chris C.  
Tseng, MD, PhD, Victoria L.  
Turalba, MD, MMS, Angela  
Unger, Olushade  
Upadhyaya, DNB, DOMS, Swati  
Vajaranant, MD, MHA, Thasarat Sutabutr  
Vinod, MD, Kateki  
Viswanathan, MD, Ananth  
Wellik, MD, Sarah R.  
Wen, MD, Joanne  
Williams, MD, Ruth  
Williams, MD, Jonathan Stephen  
Woodke, COE, Joy  
Yamat, Yasmin  
Zebardast, MD MSC, Nazlee  
Zhang, MD, Amy
Meeting Information

Notification
A written, printed, or electronic notice of any annual or special meeting of the Members, stating the time, place, and purposes thereof, shall be sent to each Member by the Secretary, or, in the case of their death, absence, incapacity, or refusal, by a person designated by the Board of Directors, at least sixty (60) days before the date of the meeting by leaving such notice with the Member or at their residence or usual place of business; by mailing the same, postage prepaid, directed to them at their address as last recorded on the books of the Society; or by electronic communication (e-mail) directed to an electronic address provided by the Member. Notice of a meeting need not be given to a Member if such Member, or their attorney thereunto duly authorized, waives such notice by a writing filed with the records of the meeting.

Meeting Objectives
After attending this program, participants should be able to:

• Describe recent medical advances in the diagnosis, management, and treatment of glaucoma in the United States and the world
• Discuss different diagnostic and prognostic tools to provide the best possible treatment options and care to patients
• Critically evaluate/explain new and traditional types of glaucoma surgery
• Examine and discuss advances in glaucoma science and implications for glaucoma therapy

CME Credit

Accreditation Statement
This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American Academy of Ophthalmology and the American Glaucoma Society. The American Academy of Ophthalmology is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation Statement
The American Academy of Ophthalmology designates this other (blended live and internet live) activity for a maximum of 20.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

How to Claim Your CME Credits
Claim your CME credits using the online form on the AGS website, www.americanglaucomasociety.net.

Self-Assessment CME
Successful completion of this CME activity, which includes participation in the evaluation component, enables the learner to satisfy the Lifelong Learning, Self-Assessment, Improvement in Medical Practice and/or Patient Safety requirements for the American Board of Ophthalmology’s Maintenance of Certification (MOC) program. It is the CME activity provider’s responsibility to submit learner completion information to ACCME for the purpose of granting MOC.

FDA Status Disclaimer
Some material on recent developments may include information on drug or device applications that are not considered community standard, that reflect indications not included in approved FDA labeling, or that are approved for use only in restricted research settings. This information is provided as education only so physicians may be
aware of alternative methods of the practice of medicine, and should not be considered endorsement, promotion, or in any way encouragement to use such applications. The FDA has stated that it is the responsibility of the physician to determine the FDA status of each drug or device they wish to use in clinical practice, and to use these products with appropriate patient consent and in compliance with applicable law.

The AGS provides the opportunity for material to be presented for educational purposes only. The material represents the approach, ideas, statement, or opinion of the presenter and/or author, not necessarily the only or best method or procedure in every case or the position of the AGS. The material is not intended to replace a physician’s own judgment or give specific advice for case management. The AGS specifically disclaims any and all liability for injury or other damages of any kind for any and all claims that may arise out of the use of any technique demonstrated or described in any material by any presenter and/or author, whether such claims are asserted by a physician or any other person.

**Photographing and Recording of Exhibits and Program**

Attendees wishing to photograph or record an exhibit must secure permission from the exhibiting company before doing so. No portion of the scientific program or posters may be photographed, audiotaped, or videotaped without the express written consent of the AGS and the presenter.

**Target Audience**

The target audience for the AGS 34th Annual Meeting is glaucoma specialists, ophthalmologists, researchers, practicing physicians, ophthalmology residents, and fellows.

**Exhibits**

Plan to visit the exhibits located in Mariner’s Ballroom at the Hyatt Regency Huntington Beach Resort and the Virtual Exhibit Hall on the Virtual Meeting Platform. Exhibiting companies will showcase the newest and most innovative ophthalmic products and services.

**2025 Annual Meeting Program Submissions**

For those interested in submitting an abstract for the 2025 Annual Meeting, the online electronic submission program will be available in September 2024. Please visit the American Glaucoma Society’s website, www.americanglaucomasociety.net, to submit an online abstract by the deadline.
Registration Information

Attendance Verification

Attendees must verify their attendance to claim CME credit for attending the AGS 34th Annual Meeting. Please refer to the CME Credit section in Meeting Information for more details.

Attendance verification letters will be available at the AGS Registration Desk, located in the Grand Foyer, from Thursday, February 29, to Sunday, March 3, or by e-mail request to ags@aao.org.

Registration Locations, Speaker Ready Room, and Hours

Registration will be located in the Grand Foyer from Wednesday, February 28, to Sunday, March 3. Any questions about the AGS 34th Annual Meeting and/or social functions may be answered at this location. The Grand Foyer will be available during registration hours starting Wednesday, February 28. Registered participants will receive their badge at the Registration Desk. The AGS Registration Desk will be open as follows:

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Location/Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday, February 28</td>
<td>2:00 PM – 8:00 PM</td>
<td></td>
</tr>
<tr>
<td>Thursday, February 29</td>
<td>7:00 AM – 5:00 PM</td>
<td></td>
</tr>
<tr>
<td>Friday, March 1</td>
<td>7:00 AM – 5:00 PM</td>
<td></td>
</tr>
<tr>
<td>Saturday, March 2</td>
<td>7:00 AM – 5:00 PM</td>
<td></td>
</tr>
<tr>
<td>Sunday, March 3</td>
<td>7:00 AM – 9:00 AM</td>
<td></td>
</tr>
</tbody>
</table>

Payment of Fees

The AGS accepts cash, checks payable to the AGS, MasterCard, Visa, and American Express.

Social Events

<table>
<thead>
<tr>
<th>Day/Date/Event</th>
<th>Time</th>
<th>Location/Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday, February 28</td>
<td>5:30 PM – 8:00 PM</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td>Through the Patient’s Eyes: Patient Engagement Event &amp; Reception</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thursday, February 29</td>
<td>7:00 AM – 8:30 AM</td>
<td>Exhibit Hall Mariners Ballroom</td>
</tr>
<tr>
<td>Continental Breakfast</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Super Bowl of Grand Rounds: Cases &amp; Cocktails Working Reception (AGS Members Only)</td>
<td>6:30 PM – 8:30 PM</td>
<td>Huntington Ballroom Diamond Theater</td>
</tr>
<tr>
<td>Friday, March 1</td>
<td>7:00 AM – 7:50 AM</td>
<td>California Courtyard</td>
</tr>
<tr>
<td>Morning Yoga*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Continental Breakfast</td>
<td>7:00 AM – 8:30 AM</td>
<td>Exhibit Hall Mariners Ballroom</td>
</tr>
</tbody>
</table>

* Indicates a separate fee for participation
# Registration Information

## Saturday, March 2

<table>
<thead>
<tr>
<th>Event</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fun Run/Walk*</td>
<td>6:30 AM – 7:30 AM</td>
<td>Lighthouse Courtyard</td>
</tr>
<tr>
<td>Continental Breakfast</td>
<td>7:00 AM – 8:30 AM</td>
<td>Exhibit Hall</td>
</tr>
<tr>
<td>AGS Closing Reception</td>
<td>7:00 PM – 9:30 PM</td>
<td>Lighthouse Courtyard</td>
</tr>
</tbody>
</table>

## Sunday, March 3

<table>
<thead>
<tr>
<th>Event</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continental Breakfast</td>
<td>7:00 AM – 9:00 AM</td>
<td>Huntington Ballroom</td>
</tr>
<tr>
<td>Breakfast Roundtable Discussions</td>
<td>8:00 AM – 9:00 AM</td>
<td>Huntington Ballroom</td>
</tr>
</tbody>
</table>

* Indicates a separate fee for participation

## Messages & Lost and Found

There will be a lost and found box and message board at the AGS Registration Desk, located in the Grand Ballroom Foyer registration area. Please check here first for your messages and/or lost items.

## Posters

Electronic posters will be displayed in the Grand Foyer South throughout the meeting, and are also available on the Virtual Meeting Platform.

## Exhibitors

Exhibitors must check in at the AGS Registration Desk, located in the Grand Ballroom Foyer, on Wednesday, February 28, to pick up their packet and badge(s). One registration packet is provided per exhibiting company.

## Registration Amenities

AGS Member/Non-member registration includes full access to the Virtual Meeting Platform, daily continental breakfasts and breaks, and the AGS Closing Reception.

Spouse/Guest registration includes all social events: use of the Spouse/Guest Hospitality Room, daily continental breakfasts, and the AGS Closing Reception.
Hyatt Regency Huntington Beach Resort & Spa Map and Legend

AGS Annual Meeting Locations

General Session Room: Grand Ballroom
Diamond Theater: Huntington Ballroom
YOGS Lounge: Shoreline Room
Posters: Grand Foyer South
Speaker Ready Room: Catalina Room
Spouse/Guest Hospitality Lounge: The Cove
Registration: Grand Foyer
Exhibit Hall: Mariners Ballroom
Cyber Lounge: Grand Foyer North
AGS Closing Party: Lighthouse Courtyard
History of the AGS

The American Glaucoma Society was founded in 1985 with the stated purpose of maintaining and improving “the quality of patient care primarily through improvement, exchange and dissemination of information and scientific knowledge pertinent to glaucoma and related diseases.”

Although Drs. Douglas Anderson and Jonathan Herschler had organized the very successful Annual North American Glaucomatologists' Learning Ensemble (ANGLE) in the 1970s to provide in-depth focus on glaucoma research topics of mutual interest, insightful members of the glaucoma community felt that an additional forum for both clinical and scientific interchange among glaucoma specialists was needed.

In May 1984, Drs. Max Forbes and Bruce Shields began to discuss the concept of an American Glaucoma Society. Drs. George Spaeth and Richard Simmons subsequently were persuaded to join in formalizing this concept and to help organize the AGS. Nine other leading members of the glaucoma community also were recruited to participate in this endeavor. An initial meeting of the group took place in Atlanta on November 11, 1984, at which everyone’s full agreement and cooperation was established.

Dr. Simmons prepared a Constitution and Bylaws for the AGS, which was incorporated in the Commonwealth of Massachusetts on November 6, 1986. The 13 founding members subsequently approved the Constitution and Bylaws in San Francisco, California, on September 29, 1985. The first elected officers included George L. Spaeth, President; Richard J. Simmons, Vice-President; Harry A. Quigley, Secretary; and John Hetherington Jr., Treasurer. The new executive committee met in the spring of 1986, at which time a list of invitations to 69 charter members was compiled. In 1986, 82 individuals became charter members of the newly formed Society.

In honor and memory of Dr. Charles D. Phelps, one of the founding members and former chair of the Department of Ophthalmology at the University of Iowa, who died in September 1985, the first meeting of the AGS was held in Iowa City, Iowa, in June 1987. Dr. M. Bruce Shields served as Chair of the Program Committee for the Society’s inaugural meeting as well as the next four, and Dr. Stephen Drance delivered the first AGS Lecture. A Washington Hawthorne tree was planted in Dr. Phelps’ memory and still stands on the University of Iowa Medical Center campus, just outside of the office of the Chair of the Department of Ophthalmology and Visual Science.

In Iowa City, Dr. Spaeth quoted Sir Winston Churchill, stating, “We are at the beginning of the beginning.” Thirty-four years and 32 meetings later, the AGS has grown to include over 1,500 members and has become one of American ophthalmology’s premier and most influential subspecialty societies.
Joseph H. Childs, MD
1981-2023

H. Dunbar Hoskins Jr., MD, FACS
1939-2024

Erik A. Lippa, MD, PhD
1945-2023

Pedro I. Quevedo, MD
1958-2023

**Thirteen Founding Members of the American Glaucoma Society**

- Douglas R. Anderson, MD
- David G. Campbell, MD
- Max Forbes, MD
- John Hetherington Jr., MD*
- H. Dunbar Hoskins Jr., MD*
- Allan E. Kolker, MD*
- William E. Layden, MD
- Charles D. Phelps, MD*
- Irvin P. Pollack, MD*
- Harry A. Quigley, MD
- M. Bruce Shields, MD
- Richard J. Simmons, MD
- George L. Spaeth, MD

**Additional 69 Charter Members of the American Glaucoma Society**

- Robert C. Allen, MD*
- Jorge A. Alvarado, MD*
- Mansour F. Armaly, MD*
- Frank S. Ashburn Jr., MD
- George S. Baerveldt, MD*
- Bernard Becker, MD*
- Hugh Beckman, MD
- C. Davis Belcher III, MD*
- A. Robert Bellows, MD*
- Richard F. Brubaker, MD*
- Paul A. Chandler, MD*
- John S. Cohen, MD
- Marshall N. Cyrlin, MD
- Gordon R. Douglas, MD, FRCSC
- Stephen M. Drance, MD*
- David K. Dueker, MD
- David L. Epstein, MD*
- Douglas E. Gaasterland, MD
- Joseph S. Haas, MD
- Thomas S. Harbin Jr., MD
- Sohan S. Hayreh, MD, DSc*
- Jonathan Herschler, MD
- Elizabeth A. Hodapp, MD
- B. Thomas Hutchinson, MD*
- Murray A. Johnstone, MD
- Frederick M. Kapetansky, MD
- Michael A. Kass, MD
- Paul L. Kaufman, MD
- Edwin U. Keates, MD*
- Theodore Krupin, MD*
- Carl Kupfer, MD*
- Raymond P. LeBlanc, MD
- Pei-Fei Lee, MD*
- Ralph Z. Levene, MD*
- Paul R. Lichter, MD
- Alan I. Mandell, MD*
- Wayne F. March, MD*
- A. Edward Maumenee, MD*
- Samuel D. McPherson Jr., MD*
- David W. Meltzer, MD, PhD
- Donald S. Minckler, MD
- Donald J. Morin, MD*
- Robert A. Moses, MD*
- Paul F. Palmberg, MD, PhD
- Richard K. Parrish II, MD
- Jonathan E. Pederson, MD*
- Edward S. Perkins, MD*
- Steven M. Podos, MD*
- Ronald L. Radius, MD
- Kenneth T. Richardson Jr., MD
- Thomas M. Richardson, MD
- Robert Ritch, MD
- Alan L. Robin, MD
- Harold G. Scheie, MD*
- Arthur L. Schwartz, MD
- Bernard Schwartz, MD, PhD*
- Marvin L. Sears, MD
- Robert N. Shaffer, MD*
- Jess A. Smith, MD*
- Robert L. Stamper, MD
- H. Saul Sugar, MD*
- John V. Thomas, MD*
- E. Michael Van Buskirk, MD
- Paul A. Weber, MD
- Robert N. Weinreb, MD
- Elliot B. Werner, MD
- Jacob T. Wilensky, MD
- Michael E. Yablonksi, MD, PhD*
- Thom J. Zimmerman, MD, PhD*

*Deceased
## AGS Meetings

<table>
<thead>
<tr>
<th>Date and Location</th>
<th>Honoree</th>
<th>AGS Lecturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 11-13, 1987; Iowa City, Iowa</td>
<td>Charles D. Phelps, MD</td>
<td>Stephen M. Drance, MD</td>
</tr>
<tr>
<td>December 2-4, 1988; Miami Lakes, Florida</td>
<td>Paul A. Chandler, MD</td>
<td>Richard J. Simmons, MD</td>
</tr>
<tr>
<td>July 6-7, 1990; Mackinac Island, Michigan</td>
<td>David Worthen, MD</td>
<td>Richard F. Brubaker, MD</td>
</tr>
<tr>
<td>December 12-14, 1991; Coronado, California</td>
<td>H. Saul Sugar, MD</td>
<td>David G. Campbell, MD</td>
</tr>
<tr>
<td>July 7-9, 1993; Reykjavik, Iceland</td>
<td>Hans Goldmann, MD</td>
<td>Franz Fankhauser, MD</td>
</tr>
<tr>
<td>(Joint meeting with the European Glaucoma Society)</td>
<td></td>
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</tr>
<tr>
<td>February 2-4, 1995; Key West, Florida</td>
<td>Bernard Becker, MD</td>
<td>Allan E. Kolker, MD</td>
</tr>
<tr>
<td>July 30 – August 2, 1996; Vancouver, British Columbia, Canada</td>
<td>Stephen M. Drance, MD</td>
<td>Gordon R. Douglas, MD</td>
</tr>
<tr>
<td>(Joint meeting with the Japanese Glaucoma Society)</td>
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</tr>
<tr>
<td>December 4-6, 1997; Scottsdale, Arizona</td>
<td>Robert N. Shaffer, MD</td>
<td>H. Dunbar Hoskins Jr., MD</td>
</tr>
<tr>
<td>February 18-20, 1999; Amelia Island, Florida</td>
<td>W. Morton Grant, MD</td>
<td>Douglas R. Anderson, MD</td>
</tr>
<tr>
<td>March 2-4, 2000; San Antonio, Texas</td>
<td>Marvin L. Sears, MD</td>
<td>M. Bruce Anderson, MD</td>
</tr>
<tr>
<td>March 1-4, 2001; Newport Beach, California</td>
<td>George L. Spaeth, MD</td>
<td>Roger Hitchings, MD</td>
</tr>
<tr>
<td>February 28 – March 3, 2002; San Juan, Puerto Rico</td>
<td>Allan E. Kolker, MD</td>
<td>Theodore Krupin, MD</td>
</tr>
<tr>
<td>March 6-9, 2003; San Francisco, California</td>
<td>Richard J. Simmons, MD</td>
<td>E. Michael Van Buskirk, MD</td>
</tr>
<tr>
<td>March 4-7, 2004; Sarasota, Florida</td>
<td>Douglas R. Anderson, MD</td>
<td>Chris A. Johnson, PhD</td>
</tr>
<tr>
<td>March 3-6, 2005; Snowbird, Utah</td>
<td>Richard F. Brubaker, MD</td>
<td>David L. Epstein, MD</td>
</tr>
<tr>
<td>March 2-5, 2006; Charleston, South Carolina</td>
<td>E. Michael Van Buskirk, MD</td>
<td>Murray A. Johnstone, MD</td>
</tr>
<tr>
<td>March 1-4, 2007; San Francisco, California</td>
<td>Steven M. Podos, MD</td>
<td>Paul L. Kaufman, MD</td>
</tr>
<tr>
<td>March 6-9, 2008; Washington, District of Columbia</td>
<td>M. Bruce Shields, MD</td>
<td>Robert Ritch, MD</td>
</tr>
<tr>
<td>March 5-8, 2009; San Diego, California</td>
<td>Paul L. Kaufman, MD</td>
<td>Robert N. Weinreb, MD</td>
</tr>
<tr>
<td>March 4-7, 2010; Naples, Florida</td>
<td>Robert L. Stamper, MD</td>
<td>Michael A. Kass, MD</td>
</tr>
<tr>
<td>March 3-6, 2011; Dana Point, California</td>
<td>Richard P. Wilson, MD</td>
<td>Harry A. Quigley, MD</td>
</tr>
<tr>
<td>March 1-4, 2012; New York, New York</td>
<td>Theodore Krupin, MD</td>
<td>Alfred Sommer, MD, MHS</td>
</tr>
<tr>
<td>February 28 – March 3, 2013; San Francisco, California</td>
<td>Robert Ritch, MD</td>
<td>Richard K. Parrish II, MD</td>
</tr>
<tr>
<td>February 27 – March 2, 2014; Washington, District of Columbia</td>
<td>Donald S. Minckler, MD</td>
<td>George Baerveldt, MD</td>
</tr>
<tr>
<td>February 26 – March 1, 2015; Coronado, California</td>
<td>David L. Epstein, MD</td>
<td>Paul P. Lee, MD, JD</td>
</tr>
<tr>
<td>March 3-6, 2016; Fort Lauderdale, Florida</td>
<td>Harry A. Quigley, MD</td>
<td>Anne L. Coleman, MD, PhD</td>
</tr>
<tr>
<td>March 2-5, 2017; Coronado, California</td>
<td>Richard P. Mills, MD, MPH</td>
<td>Wallace L. M. Alward, MD</td>
</tr>
<tr>
<td>Date and Location</td>
<td>Honoree</td>
<td>AGS Lecturer</td>
</tr>
<tr>
<td>------------------------------------------</td>
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</tr>
<tr>
<td>March 1-4, 2018; New York, New York</td>
<td>A. Robert Bellows, MD</td>
<td>Joel S. Schuman, MD</td>
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<td></td>
<td>B. Thomas Hutchinson, MD</td>
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<tr>
<td>March 14-17, 2019; San Francisco, California</td>
<td>Michael A. Kass, MD</td>
<td>Eve J. Higginbotham, MD</td>
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<tr>
<td>February 27 – March 1, 2020; Washington, District of Columbia</td>
<td>Richard K. Parrish II, MD</td>
<td>Steven J. Gedde, MD</td>
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<tr>
<td>March 4-7, 2021; Virtual Meeting</td>
<td>Paul R. Lichter, MD</td>
<td>Janet B. Serle, MD</td>
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<tr>
<td>March 3-6, 2022; Nashville, TN</td>
<td>Wallace L. M. Alward, MD</td>
<td>M. Roy Wilson, MD, MS</td>
</tr>
<tr>
<td>March 2-5, 2023; Austin, TX</td>
<td>Paul F. Palmberg, MD, PhD</td>
<td>Pradeep Y. Ramulu, MD, PhD</td>
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<tr>
<td>February 29 – March 3, 2024; Huntington Beach, CA</td>
<td>Robert N. Weinreb, MD</td>
<td>James D. Brandt, MD</td>
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</tbody>
</table>
AGS Lecturers and Award Recipients

AGS Clinician-Scientist Lecturers
The AGS Clinician-Scientist Lecture is given annually by an individual who exemplifies qualities of excellence in patient care and basic research. This individual is selected by a special committee of the AGS comprised of past, present, and future AGS Presidents and the AGS Program Committee Chair. The AGS Clinician-Scientist Lecturer is invited to present a special scientific lecture at the AGS Annual Meeting.

<table>
<thead>
<tr>
<th>Year</th>
<th>Clinician-Scientist Lecturer</th>
<th>Lecture</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>Robert N. Weinreb, MD</td>
<td>The Other Outflow Pathway</td>
</tr>
<tr>
<td>2001</td>
<td>Paul L. Kaufman, MD</td>
<td>Gene Therapy for Glaucoma: Anterior and Posterior Segment Targets and Constraints</td>
</tr>
<tr>
<td>2002</td>
<td>Harry A. Quigley, MD</td>
<td>Do We Really Understand Angle-Closure Glaucoma?</td>
</tr>
<tr>
<td>2003</td>
<td>Martin B. Wax, MD</td>
<td>Roles of the Immune System in Glaucoma</td>
</tr>
<tr>
<td>2004</td>
<td>Wallace L. M. Alward, MD</td>
<td>Computer Geeks in the Genome: Bioinformatics</td>
</tr>
<tr>
<td>2005</td>
<td>Douglas H. Johnson, MD</td>
<td>Glaucoma: Clues from Ultrastructure, Lessons from Epidemiology</td>
</tr>
<tr>
<td>2006</td>
<td>George A. Cioffi, MD</td>
<td>Quotes, Questions &amp; Quandaries Regarding Optic Nerve Ischemia &amp; Glaucoma</td>
</tr>
<tr>
<td>2007</td>
<td>Carl B. Camras, MD*</td>
<td>Serendipity Versus Directed Hypothesis Driven Research in Medical Discovery</td>
</tr>
<tr>
<td>2008</td>
<td>Anne L. Coleman, MD, PhD</td>
<td>A Public Health Perspective on Glaucoma</td>
</tr>
<tr>
<td>2009</td>
<td>Joseph Caprioli, MD</td>
<td>The Importance of Rates in Glaucoma</td>
</tr>
<tr>
<td>2010</td>
<td>David S. Greenfield, MD</td>
<td>Unlocking Mysteries in Measurements of the Retinal Nerve Fiber Layer</td>
</tr>
<tr>
<td>2011</td>
<td>Joel S. Schuman, MD</td>
<td>Advances in Optical Coherence Tomography (OCT)</td>
</tr>
<tr>
<td>2012</td>
<td>James D. Brandt, MD</td>
<td>Is It Real or Is It Artifact? What the Cornea Can Tell Us About Glaucoma</td>
</tr>
<tr>
<td>2013</td>
<td>Jeffrey M. Liebmann, MD</td>
<td>The Central 10 Degrees</td>
</tr>
<tr>
<td>2014</td>
<td>Janey L. Wiggs, MD, PhD</td>
<td>Glaucoma Genetics: Families and NEIGHBORs</td>
</tr>
<tr>
<td>2015</td>
<td>Claude F. Burgoyne, MD</td>
<td>Predicting Optic Nerve Head Susceptibility to Glaucoma</td>
</tr>
<tr>
<td>2016</td>
<td>John C. Morrison, MD</td>
<td>Understanding Mechanisms of Glaucomatous Optic Nerve</td>
</tr>
<tr>
<td>2017</td>
<td>R. Rand Allingham, MD*</td>
<td>Out of Africa: Human Migration, Glaucoma Genes, and Some Unusual Paths to a Cure</td>
</tr>
<tr>
<td>2018</td>
<td>Donald L. Budenz, MD, MPH</td>
<td>Glaucoma at the Center of the Earth</td>
</tr>
<tr>
<td>2019</td>
<td>Louis R. Pasquale, MD</td>
<td>Nitric Oxide: A Small Molecule With Large Impact in Glaucoma</td>
</tr>
<tr>
<td>2020</td>
<td>Sayoko E. Moroi, MD, PhD</td>
<td>Illuminating Our Blind Spots and Preventing Blindness</td>
</tr>
<tr>
<td>2021</td>
<td>David S. Friedman, MD, MPH, PhD</td>
<td>Angle Closure Insights</td>
</tr>
<tr>
<td>2022</td>
<td>Felipe A. Medeiros, MD, PhD</td>
<td>Shift Happens</td>
</tr>
<tr>
<td>2023</td>
<td>Joshua D. Stein, MD, MS</td>
<td>Leveraging the Power of Big Data to Capture Glaucoma Care Quality</td>
</tr>
<tr>
<td>2024</td>
<td>Arthur J. Sit, SM, MD</td>
<td>Glaucoma: Repetitive Strain Injury of the Eye</td>
</tr>
</tbody>
</table>

*Deceased
AGS President's Award

The recipient of the AGS President’s Award is chosen by the President and approved by a special committee of the AGS comprised of past, present, and future AGS Presidents and the AGS Program Committee Chair for “significant contributions to the glaucoma community through his or her scientific achievements, service to the Society, and/or service to the profession as a whole.”

<table>
<thead>
<tr>
<th>Year</th>
<th>President’s Award Recipient</th>
<th>Year</th>
<th>President’s Award Recipient</th>
<th>Year</th>
<th>President’s Award Recipient</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003</td>
<td>Ronald L. Fellman, MD</td>
<td>2011</td>
<td>Richard P. Mills, MD, MPH*</td>
<td>2020</td>
<td>AGS Member-Led Randomized Clinical Trials:</td>
</tr>
<tr>
<td></td>
<td>Theodore Krupin, MD*</td>
<td></td>
<td>James F. Jorkasky</td>
<td></td>
<td>ABC: Donald L. Budenz, MD, MPH</td>
</tr>
<tr>
<td>2005</td>
<td>B. Thomas Hutchinson, MD</td>
<td>2012</td>
<td>Joanne Angle*</td>
<td></td>
<td>AVB: Iqbal Ike K. Ahmed, MD</td>
</tr>
<tr>
<td>2006</td>
<td>Max Forbes, MD</td>
<td>2013</td>
<td>Cynthia Mattrox, MD</td>
<td></td>
<td>AGIS: Douglas E. Gaasterland, MD</td>
</tr>
<tr>
<td>2007</td>
<td>Bernard Schwartz, MD, PhD*</td>
<td>2014</td>
<td>U.S. Food and Drug Administration (Malvina B. Eydelman, MD, and Wiley A. Chambers, MD)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2008</td>
<td>Glaucome Foundation</td>
<td></td>
<td></td>
<td></td>
<td>CIGTS: Paul R. Lichter, MD</td>
</tr>
<tr>
<td></td>
<td>Glaucome Research Foundation</td>
<td></td>
<td></td>
<td></td>
<td>CNTGS: Douglas R. Anderson, MD, and Stephen M. Drance, MD*</td>
</tr>
<tr>
<td>2009</td>
<td>H. Dunbar Hoskins Jr., MD*</td>
<td>2015</td>
<td>M. Roy Wilson, MD, MS</td>
<td></td>
<td>FFSS: Richard K. Parrish II, MD</td>
</tr>
<tr>
<td></td>
<td>William L. Rich III, MD</td>
<td>2016</td>
<td>Alana L. Grajewski, MD</td>
<td></td>
<td>GLT: Hugh Beckman, MD</td>
</tr>
<tr>
<td>2010</td>
<td>AGS Founding Members:</td>
<td>2017</td>
<td>DC Office of the AAO</td>
<td></td>
<td>OHTS: Michael A. Kass, MD</td>
</tr>
<tr>
<td></td>
<td>Douglas R. Anderson, MD</td>
<td></td>
<td>(Cathy Cohen, Michael X. Repka, MD, Rebecca Hyder, and Cherie McNett) and ASCRS (Nancy McCann)</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>David G. Campbell, MD</td>
<td></td>
<td></td>
<td></td>
<td>PTVT: Steven J. Gedde, MD</td>
</tr>
<tr>
<td></td>
<td>Max Forbes, MD</td>
<td></td>
<td></td>
<td></td>
<td>TVT: Steven J. Gedde, MD, Richard K. Parrish II, MD, and Dale K. Heuer, MD</td>
</tr>
<tr>
<td></td>
<td>John Hetherington Jr., MD*</td>
<td></td>
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<tr>
<td></td>
<td>Allan E. Kolker, MD*</td>
<td></td>
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<tr>
<td></td>
<td>William E. Layden, MD</td>
<td>2018</td>
<td>Gregory L. Skuta, MD</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Charles D. Phelps, MD*</td>
<td>2019</td>
<td>Richard A. Lewis, MD</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Irvin P. Pollack, MD*</td>
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<tr>
<td></td>
<td>Harry A. Quigley, MD</td>
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<tr>
<td></td>
<td>M. Bruce Shields, MD</td>
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<tr>
<td></td>
<td>Richard J. Simmons, MD</td>
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<tr>
<td></td>
<td>George L. Spaeth, MD</td>
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</tbody>
</table>

AGS Humanitarian Award

The Humanitarian Award is given to an individual who has made extraordinary and innovative contributions to the field of glaucoma.

<table>
<thead>
<tr>
<th>Year</th>
<th>Recipient</th>
<th>Year</th>
<th>Recipient</th>
<th>Year</th>
<th>Recipient</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>Mildred MG Olivier, MD</td>
<td>2017</td>
<td>Richard K. Lee, MD, PhD</td>
<td>2020</td>
<td>Paul R. Cotran, MD</td>
</tr>
<tr>
<td>2013</td>
<td>Marc F. Lieberman, MD*</td>
<td>2018</td>
<td>James D. Brandt, MD</td>
<td>2021</td>
<td>Scott D. Lawrence, MD</td>
</tr>
<tr>
<td>2014</td>
<td>Alan L. Robin, MD</td>
<td>2019</td>
<td>Ramesh S. Ayyala, MD</td>
<td>2022</td>
<td>Oluwatosin U. Smith, MD</td>
</tr>
<tr>
<td>2015</td>
<td>Donald L. Budenz, MD, MPH</td>
<td>2020</td>
<td></td>
<td>2023</td>
<td>Alana L. Grajewski, MD</td>
</tr>
<tr>
<td>2016</td>
<td>Alan S. Crandall, MD*</td>
<td>2021</td>
<td></td>
<td>2024</td>
<td>James F. Martone, MD</td>
</tr>
</tbody>
</table>

*Deceased
### AGS International Scholar Award

The International Scholar Award honors a colleague for lifetime contributions to glaucoma research, education, patient care, and international collaboration.

<table>
<thead>
<tr>
<th>Year</th>
<th>Recipient</th>
<th>Year</th>
<th>Recipient</th>
<th>Year</th>
<th>Recipient</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>Yoshiaki Kitazawa, MD, PhD</td>
<td>2016</td>
<td>Peng T. Khaw, MD, PhD</td>
<td>2021</td>
<td>Tin Aung, MBBS, FRCS(Ed), FRCOphth, MMEd, FAM, PhD</td>
</tr>
<tr>
<td>2012</td>
<td>Remo Susanna Jr., MD</td>
<td>2017</td>
<td>Makoto Araie, MD</td>
<td>2022</td>
<td>Yvonne M. Buys, MD</td>
</tr>
<tr>
<td>2013</td>
<td>Ivan Goldberg, MBBS, FRANZCO</td>
<td>2018</td>
<td>Anja E. Tuulonen, MD</td>
<td>2023</td>
<td>Jonathan G. Crowston, MD, PhD</td>
</tr>
<tr>
<td>2014</td>
<td>Roger A. Hitchings, FRCS</td>
<td>2019</td>
<td>Jost B. Jonas, MD</td>
<td>2024</td>
<td>Ronald L. Fellman, MD</td>
</tr>
<tr>
<td>2015</td>
<td>Anders H. Heijl, MD, PhD</td>
<td>2020</td>
<td>David F. Garway-Heath, MD</td>
<td>2024</td>
<td>Keith Barton, MD, FRCP, FRCS</td>
</tr>
</tbody>
</table>

### AGS Innovator Award

The Innovator Award is given to an individual who has made extraordinary and innovative contributions to the field of glaucoma.

<table>
<thead>
<tr>
<th>Year</th>
<th>Recipient</th>
<th>Year</th>
<th>Recipient</th>
<th>Year</th>
<th>Recipient</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>James B. Wise, MD</td>
<td>2016</td>
<td>Carl B. Camras, MD*, and László Bíró, PhD</td>
<td>2021</td>
<td>Mark A. Latina, MD</td>
</tr>
<tr>
<td>2012</td>
<td>George Baerveldt, MD*</td>
<td>2017</td>
<td>Joel S. Schuman, MD</td>
<td>2022</td>
<td>Murray A. Johnstone, MD</td>
</tr>
<tr>
<td>2013</td>
<td>Robert N. Weinreb, MD</td>
<td>2018</td>
<td>David G. Campbell, MD</td>
<td>2023</td>
<td>Douglas E. Gaasterland, MD</td>
</tr>
<tr>
<td>2014</td>
<td>Reay H. Brown, MD</td>
<td>2019</td>
<td>Mary G. Lynch, MD</td>
<td>2024</td>
<td>Ronald L. Fellman, MD</td>
</tr>
<tr>
<td>2015</td>
<td>Anthony C. B. Molteno, FRANZCO, FRCS, MB</td>
<td>2020</td>
<td>Malik Y. Kahook, MD</td>
<td>2024</td>
<td>Andrew G. Iwach, MD</td>
</tr>
</tbody>
</table>

### AGS Surgery Day Lecturer

The Surgery Day Lecture is delivered by an individual who has contributed to the excellence and advancement of glaucoma surgery.

<table>
<thead>
<tr>
<th>Year</th>
<th>Recipient</th>
<th>Year</th>
<th>Recipient</th>
<th>Year</th>
<th>Recipient</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>George L. Spaeth, MD</td>
<td>2015</td>
<td>Iqbal Ike K. Ahmed, MD</td>
<td>2020</td>
<td>Brian A. Francis, MD</td>
</tr>
<tr>
<td>2011</td>
<td>Douglas E. Gaasterland, MD</td>
<td>2016</td>
<td>Allen Dale Beck, MD</td>
<td>2021</td>
<td>Brian E. Flowers, MD</td>
</tr>
<tr>
<td>2012</td>
<td>Alan S. Crandall, MD</td>
<td>2017</td>
<td>Thomas W. Samuelson, MD</td>
<td>2022</td>
<td>Arsham Sheybani, MD</td>
</tr>
<tr>
<td>2013</td>
<td>Marlene R. Moster, MD</td>
<td>2018</td>
<td>Ronald L. Fellman, MD</td>
<td>2023</td>
<td>Jody R. Piltz-Seymour, MD</td>
</tr>
<tr>
<td>2014</td>
<td>Paul F. Palmberg, MD, PhD</td>
<td>2019</td>
<td>Leon W. Herndon Jr., MD</td>
<td>2024</td>
<td>Andrew G. Iwach, MD</td>
</tr>
</tbody>
</table>

### AGS Outstanding Educator Award

The Outstanding Educator Award recognizes an individual who has consistently demonstrated extraordinary commitment to advancing glaucoma education to residents, fellows, and/or colleagues.

<table>
<thead>
<tr>
<th>Year</th>
<th>Recipient</th>
<th>Year</th>
<th>Recipient</th>
<th>Year</th>
<th>Recipient</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>Wallace L. M. Alward, MD</td>
<td>2019</td>
<td>Jody R. Piltz-Seymour, MD</td>
<td>2022</td>
<td>Paul A. Sidoti, MD</td>
</tr>
<tr>
<td>2017</td>
<td>George L. Spaeth, MD</td>
<td>2020</td>
<td>M. Bruce Shields, MD</td>
<td>2023</td>
<td>Eydie G. Miller Ellis, MD</td>
</tr>
<tr>
<td>2018</td>
<td>Paul F. Palmberg, MD, PhD</td>
<td>2021</td>
<td>Marlene R. Moster, MD</td>
<td>2024</td>
<td>Sharon Freedman, MD</td>
</tr>
</tbody>
</table>

*Deceased
Research Fellowship Awards and Programs

The AGS Research Fellowship supports developing new investigators in the field of glaucoma research. The program is administered by the AGS Research Committee.

The 1997-2023 recipients are listed below. The recipients of the 2024 grants will be announced during the 2024 Annual Business Meeting.

Recipients are selected each year, although applications for renewals will be considered. To be eligible, a candidate must have completed, within the past five years, at least one full year of fellowship training in glaucoma. Recipients do not necessarily need to have a faculty appointment, but they must be active or provisional Members of the AGS. For more information, interested individuals may contact the AGS Administrative Office in San Francisco or visit the AGS website, www.americanglaucomasociety.net.

The Society congratulates the past recipients of the AGS Research Fellowships in Glaucoma.

**AGS Young Physician-Scientist Grants**

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1997</td>
<td>Deepak P. Edward, MD</td>
<td></td>
</tr>
<tr>
<td>1998</td>
<td>Young H. Kwon, MD, PhD</td>
<td></td>
</tr>
<tr>
<td>1999</td>
<td>Darrell WuDunn, MD, PhD</td>
<td></td>
</tr>
<tr>
<td>2000</td>
<td>Stuart J. McKinnon, MD, PhD</td>
<td></td>
</tr>
<tr>
<td>2001</td>
<td>Margaret P. Good, MD</td>
<td></td>
</tr>
<tr>
<td>2002</td>
<td>Edward M. Barnett, MD, PhD</td>
<td></td>
</tr>
<tr>
<td>2003</td>
<td>Steven L. Mansberger, MD, MPH</td>
<td></td>
</tr>
<tr>
<td>2004</td>
<td>Christopher A. Girkin, MD</td>
<td></td>
</tr>
<tr>
<td>2005</td>
<td>Camille Hylton, MD</td>
<td></td>
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<tr>
<td>2006</td>
<td>JoAnn A. Giaconi, MD</td>
<td></td>
</tr>
<tr>
<td>2007</td>
<td>Dana M. Blumberg, MD</td>
<td></td>
</tr>
<tr>
<td>2008</td>
<td>Arthur J. Sit, MD</td>
<td></td>
</tr>
<tr>
<td>2009</td>
<td>Michael V. Boland, MD, PhD</td>
<td></td>
</tr>
<tr>
<td>2010</td>
<td>Brian Christopher Samuels, MD, PhD</td>
<td></td>
</tr>
<tr>
<td>2011</td>
<td>Kathryn E. Bollinger, MD, PhD</td>
<td></td>
</tr>
<tr>
<td>2012</td>
<td>Yvonne Ou, MD</td>
<td></td>
</tr>
<tr>
<td>2013</td>
<td>Scott D. Lawrence, MD</td>
<td></td>
</tr>
<tr>
<td>2014</td>
<td>Shandiz Tehrani, MD, PhD</td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td>Alex A. Huang, MD, PhD</td>
<td></td>
</tr>
<tr>
<td>2016</td>
<td>Ian F. Pitha, MD, PhD</td>
<td></td>
</tr>
<tr>
<td>2017</td>
<td>David Fleischman, MD, MS</td>
<td></td>
</tr>
<tr>
<td>2018</td>
<td>Grace M. Richter, MD, MPH</td>
<td></td>
</tr>
<tr>
<td>2019</td>
<td>Ken Y. Lin, MD, PhD</td>
<td></td>
</tr>
<tr>
<td>2020</td>
<td>Ahmara G. Ross, MD, PhD</td>
<td></td>
</tr>
<tr>
<td>2021</td>
<td>Thomas V. Johnson III, MD, PhD</td>
<td></td>
</tr>
<tr>
<td>2022</td>
<td>Jiun Lap Do, MD, PhD</td>
<td></td>
</tr>
<tr>
<td>2023</td>
<td>Sophia Y. Wang, MD</td>
<td></td>
</tr>
<tr>
<td>2024</td>
<td>Katy C. Liu, MD, PhD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Catherine Q. Sun, MD</td>
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</tr>
</tbody>
</table>
**Mid-Career Physician-Scientist Awards**

These awards are designed to provide an additional source of research funding for investigators between five and 20 years out of fellowship. These grants can be competitively renewed for a second year if substantial progress has been made during the first year. These grants are meant to allow mid-career investigators to conduct initial new research or continue ongoing research.

As with the AGS Research Fellowship, the winners of the 2024 Mid-Career Physician-Scientist Awards will be announced at the 2024 Annual Business Meeting.

**Recipients of the Mid-Career Physician-Scientist Award**

<table>
<thead>
<tr>
<th>Year</th>
<th>Name 1</th>
<th>Name 2</th>
<th>Name 3</th>
<th>Name 4</th>
<th>Name 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>Donald L. Budenz, MD, MPH</td>
<td>Douglas J. Rhee, MD</td>
<td>Sanjay G. Asrani, MD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2009</td>
<td>Edward M. Barnett, MD, PhD</td>
<td>Cynthia L. Grosskreutz, MD, PhD</td>
<td>Darrell WuDunn, MD, PhD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2010</td>
<td>Claude F. Burgoyne, MD</td>
<td>Felipe A. Medeiros, MD, PhD</td>
<td>Anthony D. Realini, MD</td>
<td></td>
<td></td>
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<tr>
<td>2011</td>
<td>Anjali Bhorade, MD</td>
<td></td>
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</tr>
<tr>
<td>2012</td>
<td>John H. Fingert, MD</td>
<td>John Danias, MD, PhD</td>
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</tr>
<tr>
<td>2013</td>
<td>Teresa C. Chen, MD</td>
<td>Thasarat S. Vajaranant, MD</td>
<td>Rachel W. Kuchtey, MD, PhD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2014</td>
<td>Karen M. Joos, MD, PhD</td>
<td>Shan C. Lin, MD</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td>Joshua D. Stein, MD</td>
<td>Kouros Nouri-Mahdavi, MD, MSC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2016</td>
<td>Ying Han, MD, PhD</td>
<td>Henry Tseng, MD, PhD</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2017</td>
<td>Kathryn E. Bollinger, MD, PhD</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2020</td>
<td>Lucy Q. Shen, MD</td>
<td>Shandiz Tehrani, MD, PhD</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2024</td>
<td>Ta Chen Peter Chang, MD</td>
<td>Joanne C. H. Wen, MD</td>
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</tr>
</tbody>
</table>

Thank you, AGS Foundation, for support of the 2024 AGS Research Fellowship grants in one or both categories.
Mentoring for Advancement of Physician-Scientists (MAPS) Program Awards

The MAPS Program is a multifaceted mentoring program of the AGS and predominant in fulfilling the mission of the organization by supporting glaucoma specialists and scientists to further their careers in science and research of glaucoma. The funding of this award provides AGS with a vehicle to expand its reach to young physician-scientists and focus on providing tools and resources to further their careers as potential leaders in the specialty of glaucoma care.

Thank you, Allergan, for being a primary supporter of the AGS MAPS Program.

MAPS Award Recipients

2008  Constance O. Okeke, MD, MSCE
       Pradeep Y. Ramulu, MD, PhD
       Zaher H. Sbeity, MD, FEOB
       Misha F. Syed, MD
       Thasarat S. Vajaranant, MD
       Husam Ansari, MD, PhD
       Vandana K. Badlani, MD
       Annette L. Giangiacomo, MD
       Lesya M. Shuba, MD, PhD
       Arthur J. Sit, MS, MD
       Joshua D. Stein, MD, MS

2009  Kelly W. Muir, MD
       Scott J. Fudemberg, MD
       Nathan M. Radcliffe, MD
       Lucy Q. Shen, MD
       Misha F. Syed, MD
       Molly M. Walsh, MD
       Michael V. Boland, MD, PhD
       Nils A. Loewen, MD, PhD

2010  Kathryn E. Bollinger, MD, PhD
       Robert T. Chang, MD
       JoAnn A. Giaconi, MD
       Vikas Gulati, MD
       Kouros Nouri-Mahdavi, MD, MSc
       Mina B. Pantcheva, MD
       Yang Sun, MD, PhD

2011  Derek S. Welsbie, MD, PhD
       Ta C. Chang, MD
       Albert S. Khouri, MD
       Mark A. Slabaugh, MD
       Ahmad A. Aref, MD
       Anand V. Mantravadi, MD
       Daniel J. Good, MD
       Anna-Maria Demetriades, MD
       Benjamin J. Frankfort, MD, PhD

2012  Osamah J. Saeedi, MD
       Lauren S. Bleden, MD
       Yang Sun, MD, PhD
       Stella N. Arthur, MD
       James C. H. Tan, MD, FRCOphth, PhD
       Benjamin J. Frankfort, MD, PhD
       Joseph F. Panarelli, MD
       Thomas M. Grippo, MD
       Sung Chul Park, MD

2013  Ta C. Chang, MD
       Julilia A. Rosdahl, MD
       Alex A. Huang, MD, PhD
       Ian P. Conner, MD, PhD
       Paula A. Newman-Casey, MD
       Marcos Reyes, MD
       Brian J. Song, MD
       Osamah J. Saeedi, MD
       Shuchie B. Patel, MD
       Amy D. Zhang, MD

2014  Deepa A. Ghate, MD
       Ying Han, MD
       Alex A. Huang, MD, PhD
       Mona A. Kaleem, MD
       O’Rese J. Knight, MD
       Ian F. Pitha, MD, PhD
       Arsham Sheybani, MD
       Luis E. Vazquez, MD
       Joanne C. H. Wen, MD
       Amy D. Zhang, MD

2015  Elena Bitrian, MD
       Lauren S. Bleden, MD
       Angela Elam, MD
       David Fleischman, MD, MS
       Shane J. Havens, MD
       Yao Liu, MD
       Yvonne Ou, MD
       Grace M. Richter, MD, MPH
       Jeffrey R. SooHoo, MD
       Luis E. Vazquez, MD
       Joanne C. H. Wen, MD

2016  Jella A. An, MD
       Amanda K. Bicket, MD
       Michael D. Greenwood, MD
       Ambika S. Hoguet, MD
       Robert M. Kinast, MD
       Arindel S. Maharaj, MD, PhD
       Grace M. Richter, MD, MPH
       Manjool M. Shah, MD
       Ramya N. Swamy, MD, MPH

2017  Sahar Bedrood, MD, PhD
       Amanda K. Bicket, MD
       Andrew S. Camp, MD
       Divakar Gupta, MD
       Shivani S. Kamat, MD
       Daniel Lee, MD
       Yao Liu, MD
       Brian D. McMillan, MD
       Siddarth N. Rathi, MD, MBA
       Krishna P. Shanmugam, MD
       Sarah H. Van Tassel, MD

2018  Eva DeVience, MD
       Jiun L. Do, MD, PhD
       Joshua Ehrlich, MD
       Mona A. Kaleem, MD
       Ken Lin, MD, PhD
       Gavin Roddy, MD, PhD
       Mohamed S. Sayed, MD
       Qianjian Wang, MD, FRCSC
       Benjamin Xu, MD, PhD
       Jithin Yohannan, MD, MPH
       Nazlee Zebardast, MD, MSC

2019  Thomas V. Johnson III, MD, PhD
       Aakriti Garg Shukla, MD
       Joel R. Falko, MD
       Atalie C. Thompson, MD, MPH
       Juin L. Do, MD, PhD
       Swarup S. Swainathan, MD
       Sylvia L. Groth, MD
       Ze Zhang, MD
       Catherine Q. Sun, MD

2020  Kat C. Liu, MD, PhD
       Elyse J. McGlumphy, MD
       Michael M. Lin, MD
       Natasha N. Kolomeyer, MD
       Huda Sheheitli, MD
       Ann Shue, MD
       Adam L. Rothman, MD
       Brandon J. Wong, MD
       Ang Li, MD

2021  Rachel H. Lee, MD, MPH
       Elizabeth A. Cretara, MD
       Wendy W. Liu, MD, PhD
       Victoria L. Tseng, MD, PhD
       Daniel M. Vu, MD
       James C. Liu, MD
       Brian C. Stagg, MD
       Andrew M. Williams, MD

2022  Andrew E. Poux, MD
       Inas F. Abookakar, MD
       Anh H. Pham, MD, PhD
       Aaron D. Webel, MD
       Qing Wang, MD, PhD
       Jasdeep Sabharwal, MD, PhD

2023  Kat C. Liu, MD, PhD
       Kevin M. Halenda, MD
       Van D. Nguyen, MD
       Yasemin G. Sozeri, MD
Bernard Schwartz, MD, Memorial Award

The Bernard Schwartz, MD, Memorial Award was established in 2009 by a generous donation from Dr. Ralph Levene and Elsevier Publications.

The award is given annually to the top scored paper or poster abstract being presented at the AGS Annual Meeting by a resident.

2009 Christopher Rodarte, MD
2010 Denise S. Kim, MD
2011 Jennifer S. Huang, MD
2012 Jennifer Hu, MD
2013 Tracy M. Wright, MD
2014 apalan, BA
2015 Mary Qiu, MD
2016 Nazlee Zebardast, MD
2017 Aakriti Garg, MD
2018 Jonathan Chou, MD
2019 Emily Schehelein, MD
2020 Michael S. Quist, MD
2021 Rithambara Ramachandran, MD
2022 Taariq Mohammed, MD
2023 Teju Pradeep, MD and Sharon Sabapathypillai, MD, MSc
2024 Vahid Mohammadzadeh, MD

Health Care Policy Leadership Development Program

During medical school, ophthalmology residency, and glaucoma fellowship training, ophthalmologists get minimal formal training about health policy and health services research topics. It is critically important to the AGS that there are members who understand the fundamental organization and structure of the U.S. health care system and have knowledge about how decisions are made at the Centers for Medicare & Medicaid Services and the Food and Drug Administration and about topics such as assessing quality of care, access to care, and cost of and reimbursement for health care services. It is essential that there are members of the AGS who understand how to engage health policymakers and politicians in a constructive manner that resonates with them, so they are willing to advocate on our behalf when it comes to important decisions that help us best serve our patients. Presently, there is only a small group of leaders in our field who are very knowledgeable about these topics. The goal of this initiative is to expand the number of AGS members who are well versed in these important topics.

2018 Regina M. Smolyak, MD
Emily Patterson Jones, MD
2019 Christine LeeAnn Larsen, MD
Angela V. Turalba, MD, MMS
2020 Ayan Chatterjee, MD
Brian C. Stagg, MD, MS
2021 Natasha Nayak Kolomeyer, MD
King of Prussia, PA
Salt Lake City, UT
Philadelphia, PA
2022 Adam L. Rothman, MD
Roman I. Krivochenitser, MD
2023 Teju Pradeep, MD and Sharon Sabapathypillai, MD, MSc
2024 Vahid Mohammadzadeh, MD
HONOREES AND LECTURERS
Honorees and Lecturers

Guest of Honor

Robert N. Weinreb, MD, is the Chair and Distinguished Professor of Ophthalmology at the University of California San Diego, the Director of the Shiley Eye Institute, and the Director of the Hamilton Glaucoma Center. He also holds the Morris Gleich MD Chair of Glaucoma and is appointed as Distinguished Professor of Bioengineering. Dr. Weinreb graduated from Harvard Medical School and completed his residency and fellowship at the University of California, San Francisco. A clinician, a surgeon, and a scientist, Dr. Weinreb oversees all clinical activities at the Shiley Eye Institute and within the Department of Ophthalmology. As the Director of the Hamilton Glaucoma Center, Dr. Weinreb also oversees a renowned team of scientists and staff dedicated to glaucoma.

Dr. Weinreb’s clinical and research interests are diverse and range from the front to the back of the eye. They include imaging of the eye, outflow biology, optic nerve damage, and neuroprotection in glaucoma, glaucoma surgery, and digital health. With more than 40 years of consecutive grant support from the National Eye Institute, he currently is Principal Investigator of two R01 awards (EY029058 and MD014830) and a K12 Institutional Mentored Physician Scientist Award. His h-impact factor in November 2023 was 147, and his research has garnered more than 86,000 citations. He also has been ranked #1 for several consecutive years by Expertscape in world glaucoma scholarship.

Dr. Weinreb is the recipient of numerous prestigious awards, including:

• 1997 Heed Ophthalmic Foundation Award – leadership and contributions in ophthalmology
• 2000 Inaugural Clinician-Scientist Lecture of the American Glaucoma Society
• 2006 Ridley Medal of St. Thomas’ Hospital, London
• 2009 The Moecyr E. Alvaro Medal of Universidade Federal de Sao Paulo, Brazil
• 2010 Life Achievement Honor Award of the American Academy of Ophthalmology
• 2010 The Watson Medal of the University of Cambridge, England
• 2013 The Innovators Award of the American Glaucoma Society
• 2016 Gold Medal of the Chinese Academy of Ophthalmology
• 2017 Honorary Member of the Société Française D’Ophthalmologie
• 2017 Honorary Member, Associazione Italiana Studio Glaucoma
• 2023 Top 2 Most Influential Ophthalmologists in World, The Ophthalmologist Powerlist
• 2023 Laureate Award, World Glaucoma Association
• 2023 An Inaugural Inductee to The Ophthalmologist Hall of Fame

He has served several professional organizations in leadership positions, including:

• 2002-2003 President, Association for Research in Vision and Ophthalmology (ARVO)
• 2002 Co-founder (with R. Hitchings and E. Greve), World Glaucoma Association
• 2004-2006 President, World Glaucoma Association (WGA)
• 2007-2008 President, American Glaucoma Society (AGS)
• 2012-2013 President, American Glaucoma Society Foundation (AGSF)
• 2013-2015 President, Latin American Glaucoma Society
• 2019 Founding Faculty, Halicioglu Data Science Institute (HDSI), UC San Diego

Dr. Weinreb has delivered more than 170 named lectures and served on numerous Editorial Boards, currently including International Glaucoma Review (Chief Editor), Investigative Ophthalmology and Visual Science, and Journal of Glaucoma. He has trained more than 170 post-doctoral fellows in Glaucoma, including 24 department chairs (in the United States, Canada, Asia, Europe, South America, and Australia) and many others who hold distinguished positions in academia and industry.
AGS Lecturer

James D. Brandt, MD, is the Geweke Endowed Chair in Glaucoma, Professor of Ophthalmology & Vision Science, Director of the Glaucoma Service, and Vice-Chair for International Programs & New Technologies at the Tschannen Eye Institute of the University of California, Davis in Sacramento, California.

After receiving a BS degree from Yale University and an MD degree from Harvard Medical School, he pursued a two-year postdoctoral research fellowship in glaucoma-related pharmacology and cell biology at the Schepens Eye Research Institute in Boston before his residency at the USC/LA County/Doheny Eye Institute. He completed a clinical glaucoma fellowship at the Wills Eye Hospital before joining the UC Davis faculty in 1989.

Dr. Brandt’s clinical practice is limited to glaucoma, with a particular focus on infantile and pediatric glaucoma. Dr. Brandt is a frequent volunteer faculty member with ORBIS International (www.orbis.org), traveling worldwide to train glaucoma specialists in the management of pediatric glaucoma, most recently (October 2023) in Lusaka, Zambia.

Dr. Brandt’s research interests focus primarily on the material properties of the eye as they affect the measurement of intraocular pressure. Dr. Brandt has served as the principal investigator of numerous clinical trials, including the Ocular Hypertension Treatment Study (OHTS). As an OHTS principal investigator, Dr. Brandt initiated the effort to measure central corneal thickness (CCT) as a potential risk factor for glaucoma and he has continued to investigate the role of CCT in glaucoma diagnosis, risk stratification, and pathogenesis.

Dr. Brandt currently serves on the editorial boards of the American Journal of Ophthalmology, the Journal of Glaucoma, and Ophthalmology Science.

Dr. Brandt has served in several leadership roles for the American Glaucoma Society, and in 2012 he was selected to give the 13th Clinician-Scientist Lecture at the annual meeting of the AGS. In 2018 he was presented with the AGS Humanitarian Award for his work in the developing world on childhood glaucoma.
Joshua D. Stein, MD, is the Frederick G. L. Huetwell Professor at the University of Michigan Department of Ophthalmology and Visual Sciences. He received his medical degree from Jefferson Medical College, attended New York University / Manhattan Eye, Ear, and Throat Hospital for his ophthalmology residency training, and went to Duke University for a two-year clinical and research glaucoma fellowship. He also has a master’s degree in Evaluative Clinical Sciences from Dartmouth University and completed a health policy fellowship from the University of Michigan Center for Healthcare Research and Transformation. He is a clinician-scientist who has received extramural grant support from various sources, including the National Eye Institute, Research to Prevent Blindness, the American Glaucoma Society, and the Glaucoma Research Foundation. Dr. Stein is a health services researcher who has more than 150 peer-reviewed publications on topics such as utilization of eye care services, disparities and inequities in eye care, cost-effectiveness of different ocular interventions, and predictive modelling for glaucoma and other eye diseases. His research leverages large datasets, including data from the Center’s for Medicare & Medicaid Services, commercial health insurance data, and electronic health record data. He has served on the American Glaucoma Society Board of Directors in various capacities over the years, including as Chair of the AGS Patient Care Committee and spearheading the creation of the AGS CARES charitable program, which offers incisional glaucoma surgery, free of charge, to uninsured and underinsured patients. Dr. Stein has received an Achievement Award and Secretariat Award from the American Academy of Ophthalmology for his assistance on scope of practice and other policy-related matters. He’s also received the Pisart Award from the Lighthouse Guild and the David L. Epstein Award from the ARVO Foundation for Eye Research to highlight his efforts to mentor future clinician-scientists. Dr. Stein serves on the editorial board of *JAMA Ophthalmology* and has served as a reviewer on multiple NIH study sections. He is president of the Chandler Grant Glaucoma Society and a standing committee member for the National Quality Forum. He spearheads the Sight Outcomes Research Collaborative (SOURCE), a consortium of more than two dozen health systems across the country that are sharing deidentified electronic health record and ocular diagnostic test data on eye care recipients from their institutions. His team cleans, aggregates, harmonizes, and links the clinical and diagnostic test data to social determinant of health data and other datasets to permit faculty and trainees from the participating centers to use SOURCE data for research projects or quality improvement initiatives. Over the years, he has trained numerous clinical and research glaucoma fellows, including several who are now successful NIH-funded independent investigators. He lives in Ann Arbor with his wife Cris and their two Labrador retrievers.
Innovator Award

Ronald L. Fellman, MD, is a founder of Glaucoma Associates of Texas (GAT). Beginning in 1983, as an Attending Surgeon and Clinician, he helped create the largest private glaucoma practice in the country. The practice is dedicated to delivering the highest quality of tertiary glaucoma care, performing innovative clinical research, and creating novel glaucoma surgeries. Dr. Fellman graduated AOA from Tulane Medical School and completed his internship and ophthalmology residency at University of Texas Southwestern Medical School Dallas (1978-1982, John Lynn, MD, chair) and his fellowship in glaucoma at Wills Eye Hospital (1982-1983, George Spaeth, MD, and Richard Wilson, MD).

Dr. Fellman has been an active member of the American Glaucoma Society since 1989. During the past 35 years, he has served in various capacities, innovating for the Society on a number of administrative levels. The highlights include AGS Association of University Professors of Ophthalmology delegate 1989-2000, Ad Hoc Committee Chair on Subspecialty Certification 1990-1996, AGS councilor to the American Academy of Ophthalmology (AAO) 1995-2000, AAO Federal Healthcare Policy Committee 1999-2006, AGS-AAO Program Committee 1995-2001, Patient Care Committee Chair 2000-2008, Healthcare Policy and Reimbursement Chair 2011-2014, Surgery Day lecturer 2018, AGS Secretary 2015-2020, Vice President 2020-2021, and President in 2021-2022. He has contributed significantly on the legislative and coding fronts and received the first President’s Award (2003) for these efforts.

Ron Fellman serves on the board of the Cure Glaucoma Foundation, an organization dedicated to reducing blindness from glaucoma on a global level, and has delivered named lectures and received various Lifetime, Honor, and Secretariat AAO awards. He has coauthored over 90 published papers and 20 book chapters on the medical and surgical management of glaucoma and is coeditor of a recent book entitled GATT: Gonioscopy Assisted Transluminal Trabeculotomy: A Guide to Circumnavigating Schlemm’s Canal from Around the World (eds. Fellman and Grover, Kugler Publications, 2023).

On the surgical innovation front, Dr. Fellman performed the first ab externo circumferential suture trabeculotomy in the United States with John Lynn, MD, in 1986, and 25 years later (2011), he invented and performed the first ab interno circumferential trabeculotomy (the GATT procedure) with Davinder Grover, MD. He also first described the episcleral venous fluid wave and its correlation to MIGS outcomes, as well as developing many other surgical techniques with his partners at GAT. Dr. Fellman’s research interests include innovative glaucoma surgery, wound healing after canal-based surgery, outflow imaging, canal-based MIGS, perimetry, and secondary canalogenesis in infantile glaucoma.

On a different innovation front, he enjoys composing and playing music. Most recently he composed and published the song “Every Shadow Proves That There’s a Light” (© 2023 Fellman and Grimes). All proceeds from streaming (Spotify, YouTube, Apple Music, etc.) are donated to the Cure Glaucoma Foundation. When Ron is not thinking about glaucoma or creating music, he is either fly-fishing with his wife, three daughters, and son-in-law, or photographing nature (his other passions).

Dr. Fellman wishes to thank all his mentors, his GAT physician family, his wife Nancy (who continues to point him in the right direction and supports him in so many ways), and his three daughters and son-in-law, who inspire him to be better at what counts. He also wishes to express his gratitude to his patients over the past 40 years, who continue to inspire and motivate him to be a better doctor.

When asked about innovation, Ron Fellman said, “Meaningful changes in patient care don’t come easily. My goal is to remain a catalyst to unite physicians, patients, and researchers. As we strive to be the best physicians that represent the AGS, we can better the lives of our patients with the best innovation possible.”
Andrew G. Iwach, MD, is an associate clinical professor of ophthalmology at the University of California at San Francisco (UCSF) and a faculty instructor at the California Pacific Medical Center Department of Ophthalmology. Dr. Iwach is a Fellow of the American Academy of Ophthalmology and was its Secretary of Communications. He has served on the Academy’s Committee on Medical Information Technology, Patient Education Committee, and Media Advisory Task Force, as well as having served as the Chief Medical Editor of the Academy’s member publication, *Academy Express*, and currently serving as a spokesperson. Dr. Iwach is an examiner for the American Board of Ophthalmology, the Executive Director for the Glaucoma Research and Education Group, Executive Director of the Glaucoma Center of San Francisco, Cofounder of the Eye Surgery Center of San Francisco, and Cofounder of Glaucoma 360 New Horizons Forum. Dr. Iwach is also a Member of the Ophthalmic Mutual Insurance Company Board of Directors. He specializes in glaucoma treatment.

In 1984, Dr. Iwach received his medical degree from the University of California at Los Angeles. He completed an internship at San Diego’s Mercy Hospital in 1985 and his ophthalmology residency at Stanford University Medical Center in 1988. After completing his glaucoma fellowship with Dr. Robert N. Shaffer at UCSF in 1989, he joined the Shaffer Medical Group as a glaucoma specialist. He also is past Research Director, Secretary, Treasurer, and Vice President and the current Chair of the Board for the Glaucoma Research Foundation in San Francisco.

Dr. Iwach has been a scientific reviewer for several medical journals, including *Ophthalmology, American Journal of Ophthalmology, Archives of Ophthalmology, Ophthalmic Surgery and Lasers*, and the *Journal of Glaucoma*.

He has published 80 articles in peer-reviewed clinical and scientific journals and has lectured extensively on glaucoma and other topics in ophthalmology in the United States and abroad.

Dr. Iwach serves on various boards of ophthalmic organizations and publications. He is a recipient of the Life Achievement Honor Award from the American Academy of Ophthalmology.
International Scholar Award

Keith Barton, MD, FRCP, FRCS, FRCOphth, is a Consultant Ophthalmologist and Glaucoma Specialist at Moorfields Eye Hospital, Professor of Ophthalmology at University College London and Co-chair of Ophthalmology Futures Forums.

His areas of interest are the surgical management of glaucoma, especially surgical devices and specifically the management of glaucoma in uveitis. With Donald Budenz, he introduced amniotic membrane transplantation to glaucoma surgery in the late 1990s, introduced the Baerveldt Glaucoma Implant to the United Kingdom in 1999, co-invented the Paul Glaucoma Implant, has been an investigator and steering group member of the landmark Tube Versus Trabeculectomy and Primary Tube vs. Trabeculectomy Studies, Cochair of the Ahmed Baerveldt Comparison Study, and a member of the Trial Management Committees of both the Treatment of Advanced Glaucoma Study (TAGS), published in the BMJ, and the Lasers in Glaucoma and Ocular Hypertension (LIGHT) Study, published in the Lancet. He recently co-edited, with Dr Chelvin Sng, a book on minimally invasive glaucoma surgery (Springer), that achieved 21,000 downloads in the first four months after publication.

In 2021, he stepped down from a seven-year tenure as Editor-in-Chief of the British Journal of Ophthalmology. He was formerly Chair of the International Glaucoma Association (now Glaucoma UK), a registered charity, and former Glaucoma Service Director at Moorfields Eye Hospital. He has served as Hong Leong Visiting Professor at the National University of Singapore from 2011-2014 and 2016-2017 and has been a trustee of the TFC Frost Charitable Trust since 2015.

Following medical school in Belfast, Dr. Barton completed his training at Moorfields Eye Hospital and the Bascom Palmer Eye Institute, University of Miami. Since then, he has been invited to lecture on every continent and in 2024 will be awarded the American Glaucoma Society International Scholar Award. In 2017 he was awarded the Charamis Medal at the SOE (European Society of Ophthalmology) for achievement in the field of ophthalmic surgery. He is Honorary Treasurer of the International Society for Glaucoma Surgery and founder of the European Society of Cataract and Refractive Surgeons, Glaucoma Day. He has organized and run the Moorfields International Glaucoma Symposium annually since 2008 (migs.org.uk) and in 2012, co-founded Ophthalmology Futures Forums, industry investor events in ophthalmology, both in Europe and Asia (ophthalmology-futures.com). He has four times been voted one of the 100 most influential people in global ophthalmology by The Ophthalmologist magazine (no. 10 in the world in 2018).

Keith is actively involved in surgical teaching and patient education, organizing surgical wetlabs locally and internationally. He has produced patient information on aqueous shunt implantation and trabeculectomy, available online in several languages, and he has co-founded migs.org to help patients navigate the proliferation of new glaucoma surgical devices and an international glaucoma surgery registry, IGSR.org, for surgeons to record and track glaucoma surgical outcomes. His online and other activities are available through links at glaucoma-surgery.org.

Keith has carried out charitable work and population-based research during 13 visits to Ghana, West Africa, as an Investigator in the Tema Eye Survey and the subsequent TES II. He regularly participates in fundraising events, having cycled 200 miles from London to Paris in 24 hours four times for the International Glaucoma Association and having completed five 100-mile charity cycle rides for Moorfields Eye Charity from 2013-2017, as well as five marathons, including Boston.
Outstanding Educator Award

Sharon Freedman was born and raised in Durham, North Carolina. After graduating summa cum laude from Duke University as a chemistry major in 1981, she earned her MD from Harvard Medical School in 1985. There she met her classmate, Neil, who became her best friend and then her husband. She completed ophthalmology residency at Massachusetts Eye and Ear Infirmary, and Pediatric Ophthalmology fellowship at Boston Children’s Hospital. Dr. Freedman then returned to her home in Durham, where she completed clinical and research fellowships in Glaucoma at Duke University Medical Center.

Dr. Freedman took her initial faculty position at UNC-Chapel Hill in 1992, returning in 1995 to join the faculty at the Duke Eye Center, where she is currently tenured Professor of Ophthalmology and Pediatrics, Chief of the Pediatric Ophthalmology Division, and Fellowship Director.

Dr. Freedman enjoys all aspects of pediatric ophthalmology and strabismus but has a special interest in childhood glaucoma, childhood cataracts, and retinopathy of prematurity. She greatly enjoys mentoring clinical fellows, residents, and medical students and collaborating with faculty colleagues. At UNC-Chapel Hill, she had the honor of meeting and mentoring Leon Herndon, whom she recognized as a stellar resident and a future shining star in the field of glaucoma. She has published nearly 250 peer-reviewed articles, as well as participating in over 75 group publications from her involvement in multicenter clinical trials, such as the Infant Aphakia Treatment Study (IATS) and the PEDIG Cataract Outcomes Study (PEDIG); she has authored or co-authored over 30 book chapters and co-edited several books. Dr. Freedman has delivered numerous lectures nationally and internationally and has led or participated in more than 75 courses at national and international meetings. She was privileged to participate as site PI for several pivotal trials, including the Early Treatment for ROP Study and IATS, and she was a co-investigator on several NIH studies involving gene discovery in primary congenital glaucoma and OCT in premature neonates.

Dr. Freedman has been active in the American Association for Pediatric Ophthalmology and Strabismus (AAPOS), serving as Program Committee Chair, Member-at-Large on the Board of Directors, and President. She chaired the Subspecialty Task Force and served on several AAPOS committees. AAPOS has awarded her its Honor, Senior Honor, and Lifetime Achievement Awards. She has been a long-standing member of the AGS and has participated in the American Academy of Ophthalmology (AAO) as well, earning AAO Achievement and Senior Achievement Awards. Dr. Freedman serves as ad hoc reviewer for many journals and served terms on the Editorial Board of JAAPOS. For her dedication to excellence in teaching, she was awarded the Golden Globe Award. For her dedication to patients, she was awarded the Leonard Tow Humanism in Medicine Award.

Sharon and Neil Freedman have two children: Rebecca Neustein, a glaucoma attending at Emory Medical Center, lives in Atlanta with her husband and their three children. Benjamin is in cardiology fellowship and lives in Boston with his wife. Neil Freedman is a clinician-scientist in cardiology at Duke. In her spare time, Sharon Freedman loves to bake, be a “Bubbie” (grandma), travel with family, and work outdoors. She is immensely honored and humbled to receive the AGS 2024 Outstanding Educator Award and especially privileged to receive it from one of her star former trainees, Leon Herndon.
Humanitarian Award

Associate Professor of Clinical Ophthalmology (Glaucoma)

Inaugural Director of the Division of International Ophthalmology & Global Eye Health within Yale Department of Ophthalmology

Dr. James Martone received his BA from Providence College and his MD from Albert Einstein College of Medicine, where he also completed his ophthalmology residency. In addition, he received a MPH in epidemiology from the Johns Hopkins University School of Hygiene and Public Health. He received fellowship training in glaucoma at Duke University and has also completed fellowships at the Wilmer Eye Institute (Preventive Ophthalmology), Bethesda Eye Institute (International Ophthalmology), and Cullen Eye Institute of Baylor University (International Ophthalmology).

Dr. Martone has served on the faculty teaching at the Doheny Eye Institute of the University of Southern California School of Medicine, as well as within the International Eye Foundation, Bethesda, Maryland, the Massachusetts Eye and Ear Infirmary, Harvard Medical School, and the Glaucoma Service, New York Eye and Ear Infirmary. He was Medical Director of ORBIS International, a global nongovernmental organization dedicated to fighting blindness worldwide; through this work, he oversaw teaching of clinical and surgical ophthalmology in countries around the world. He has personally worked in over 100 locations in more than eighty countries. He has worked extensively in countries such as China, Cuba, Cameroon, Colombia, and Peru. Dr. Martone was also Director of the Eye Clinic, Victoria Hospital, Castries, St. Lucia, and Consultant Ophthalmologist to the Ministry of Health, St. Lucia.

Dr. Martone previously held a voluntary appointment as an Assistant Professor of Ophthalmology at the Yale School of Medicine, where he recently received the residency program’s Excellence in Teaching Award. He is president of the Connecticut Society of Eye Physicians and a founding member of the Connecticut Glaucoma Society, as well as a member of several other professional societies, including the American Academy of Ophthalmology and the American Society for Cataract and Refractive Surgery.
Dr. Sit is a Professor of Ophthalmology, Research Chair, and Glaucoma Fellowship Director in the Department of Ophthalmology at the Mayo Clinic in Rochester, Minnesota. Prior to medical school, he graduated in Mechanical Engineering from the University of Toronto, worked as a management consultant at Andersen Consulting (now Accenture), and completed a Master’s degree in Mechanical Engineering at the Massachusetts Institute of Technology. He then attended medical school and residency at the University of Toronto and completed a glaucoma fellowship at the University of California San Diego under the mentorship of Dr. Robert Weinreb. After fellowship, he joined the faculty at Mayo Clinic.

His research interests focus on the mechanical properties of the eye that control intraocular pressure variations and contribute to glaucoma, including aqueous humor dynamics and ocular biomechanics. Dr. Sit’s research has led to the development of several novel instruments and techniques for measurement of these properties. This includes devices for the objective, noninvasive measurement of episcleral venous pressure and the in vivo assessment of ocular tissue biomechanical properties. Using these devices, his work has helped to elucidate the underlying mechanisms controlling short-term, long-term, and circadian intraocular pressure fluctuations, as well as the mechanisms of action of novel glaucoma therapeutics. His research has also helped to understand the role of altered tissue biomechanics and intraocular pressure fluctuations in glaucoma. Funding for his work has included support by the National Institutes of Health, the National Aeronautics and Space Administration (NASA), BrightFocus Foundation, Research to Prevent Blindness, the American Glaucoma Society, and industry grants.

Dr. Sit has mentored numerous medical students, residents, and clinical and research fellows, many of whom are now successful academic glaucoma specialists and clinician-scientists. He is a Fellow of the Association for Research in Vision and Ophthalmology (FARVO) and has been the recipient of the American Glaucoma Society Clinician-Scientist Award, the World Glaucoma Association Young Clinician Scientist Award, and the American Academy of Ophthalmology Achievement and Senior Achievement Awards. He currently serves as Treasurer and Executive Committee member for the World Glaucoma Association, and he was Program Co-chair of the World Glaucoma Congress from 2019 to 2023. He is past Chair of the Research Committee for the American Glaucoma Society and is past President of the Minnesota Academy of Ophthalmology.
### Program Schedule

#### WEDNESDAY, FEBRUARY 28

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT TITLE / MODERATOR</th>
<th>LOCATION / SPEAKER(S)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00 PM – 8:00 PM</td>
<td>Exhibitor Installation</td>
<td>Mariners Ballroom</td>
</tr>
<tr>
<td>2:00 PM – 8:00 PM</td>
<td>Registration &amp; Exhibitor Check-In</td>
<td>Grand Ballroom Foyer</td>
</tr>
<tr>
<td>5:30 PM – 6:00 PM</td>
<td>Patient Engagement Seminar – Registration</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td>6:00 PM – 7:00 PM</td>
<td><strong>Through the Patient’s Eyes: Patient Engagement Event</strong></td>
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<td></td>
<td>Moderator: Jullia Rosdahl, MD, PhD</td>
<td>Leon W. Herndon Jr., MD, and Ms. Laura Savini</td>
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<tr>
<td></td>
<td>A One-on-One Discussion: Glaucoma Doctor and Patient With Audience Participation</td>
<td></td>
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<tr>
<td>7:00 PM – 8:00 PM</td>
<td>AGS Foundation Reception</td>
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</table>

#### THURSDAY, FEBRUARY 29

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT TITLE / MODERATOR</th>
<th>LOCATION / SPEAKER(S)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 AM – 5:00 PM</td>
<td>Registration &amp; Exhibitor Check-In</td>
<td>Grand Ballroom Foyer</td>
</tr>
<tr>
<td>7:00 AM – 8:30 AM</td>
<td>Breakfast – Exhibit Hall</td>
<td>Mariners Ballroom</td>
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<tr>
<td>7:00 AM – 3:00 PM</td>
<td>Exhibit Hall Viewing</td>
<td>Mariners Ballroom</td>
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<tr>
<td>7:30 AM – 8:30 AM</td>
<td>Diamond Theater – Breakfast Symposium (Alcon)</td>
<td>Huntington Ballroom</td>
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<tr>
<td>7:30 AM – 8:30 AM</td>
<td>Top Posters Presentation: Session 1</td>
<td>Grand Foyer South</td>
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<tr>
<td>8:30 AM – 10:30 AM</td>
<td>Spouse/Guest Hospitality Room</td>
<td>The Cove</td>
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<tr>
<td>9:30 AM – 10:15 AM</td>
<td>Concierge Visit to Hospitality Room</td>
<td>The Cove</td>
</tr>
<tr>
<td>8:30 AM – 8:33 AM</td>
<td>Welcome, Introduction &amp; Announcements</td>
<td>Grand Ballroom</td>
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<tr>
<td></td>
<td>AGS President: Leon W. Herndon Jr., MD</td>
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<td></td>
<td>Program Chairs: Michele C. Lim, MD &amp; Kouros Nouri-Mahdavi, MD, MSC</td>
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<tr>
<td>8:33 AM – 8:34 AM</td>
<td>Announcements</td>
<td>Grand Ballroom</td>
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<td>Surgery Day Chairs: Leo K. Seibold, MD &amp; Qi N. Cui, MD, PhD</td>
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<td>Moderators: Vikas Chopra, MD &amp; George H. Tanaka, MD</td>
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<tr>
<td>8:34 AM – 8:36 AM</td>
<td>Case/Video #1: Phaco-MIGS Case With PC Tear</td>
<td>Sameh Mosaed, MD</td>
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<tr>
<td>8:36 AM – 8:41 AM</td>
<td>My Next Move</td>
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<tr>
<td>8:41 AM – 8:46 AM</td>
<td>Panel Discussion</td>
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<tr>
<td>8:46 AM – 8:48 AM</td>
<td>Case/Video #2: Excessive Bleeding During MIGS</td>
<td>Arsham Sheybani, MD</td>
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<tr>
<td>8:48 AM – 8:53 AM</td>
<td>My Next Move</td>
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<tr>
<td>8:53 AM – 8:58 AM</td>
<td>Panel Discussion</td>
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<tr>
<td>8:58 AM – 9:00 AM</td>
<td>Case/Video #3: Scleral Flap Problem – Can’t Control Flow (Torn Flap, Thin Flap, Etc.)</td>
<td>Marlene R. Moster, MD</td>
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<tr>
<td>9:00 AM – 9:05 AM</td>
<td>My Next Move</td>
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<tr>
<td>9:05 AM – 9:10 AM</td>
<td>Panel Discussion</td>
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<td>LOCATION / SPEAKER(S)</td>
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<tr>
<td>9:10 AM – 9:12 AM</td>
<td>Case/Video #4: Accidentally Cut Tube During Insertion</td>
<td>Cara E. Capitena Young, MD</td>
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<tr>
<td>9:12 AM – 9:17 AM</td>
<td>My Next Move</td>
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<tr>
<td>9:17 AM – 9:22 AM</td>
<td>Panel Discussion</td>
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<tr>
<td>9:22 AM – 9:24 AM</td>
<td>Case/Video #5: Can’t Close Conjunctiva During Trab/Tube Revision</td>
<td>Shane J. Havens, MD</td>
</tr>
<tr>
<td>9:24 AM – 9:29 AM</td>
<td>My Next Move</td>
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<tr>
<td>9:29 AM – 9:34 AM</td>
<td>Panel Discussion</td>
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<tr>
<td>9:34 AM – 9:36 AM</td>
<td>Transition</td>
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<tr>
<td>9:36 AM – 9:41 AM</td>
<td>AGS Cares Program Update</td>
<td>Grand Ballroom</td>
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<tr>
<td>9:48 AM – 9:53 AM</td>
<td>Discussion</td>
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<tr>
<td>9:53 AM – 10:00 AM</td>
<td>Multicenter Canaloplasty Data Registry – Outcomes of Ab-Interno Canaloplasty Across Different Glaucoma Types and Severity</td>
<td>Keith Barton, MD, FRCP, FRCS</td>
</tr>
<tr>
<td>10:00 AM – 10:05 AM</td>
<td>Discussion</td>
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<tr>
<td>10:05 AM – 10:12 AM</td>
<td>Outcomes of Full 360-Degree Versus 180-Degree Trabeculotomy Without Phacoemulsification: An International Multicentre Study</td>
<td>Ahmed Abdelaal, MD</td>
</tr>
<tr>
<td>10:12 AM – 10:17 AM</td>
<td>Discussion</td>
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<tr>
<td>10:17 AM – 10:24 AM</td>
<td>Influence of Baseline Intraocular Pressure or Medication on Two-Year Outcomes of a Supracciliary Drainage Device in the STAR-I, -II, -III Trials</td>
<td>Poonam Misra, MD</td>
</tr>
<tr>
<td>10:24 AM – 10:29 AM</td>
<td>Discussion</td>
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<tr>
<td>10:29 AM – 10:36 AM</td>
<td>A Comparative Study of Two Types of Nonvalved Glaucoma Drainage Devices</td>
<td>Michael Pro, MD</td>
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<tr>
<td>10:36 AM – 10:41 AM</td>
<td>Discussion</td>
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<tr>
<td>10:41 AM – 11:11 AM</td>
<td>Break – Exhibit Hall</td>
<td>Mariners Ballroom</td>
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<tr>
<td>11:11 AM – 11:41 AM</td>
<td>Surgical Video Competition Finalists &amp; Award Presentation</td>
<td>Grand Ballroom</td>
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<tr>
<td>11:11 AM – 11:16 AM</td>
<td>Phaco/GATT With Cycodialysis Cleft Formation and Repair</td>
<td>Brian Krawitz, MD</td>
</tr>
<tr>
<td>11:16 AM – 11:21 AM</td>
<td>Amniotic Membrane Graft for an Overfiltering Scleral Flap</td>
<td>Wendy Liu, MD, PhD</td>
</tr>
<tr>
<td>11:21 AM – 11:26 AM</td>
<td>Three Techniques for Guidewire-Assisted Sulcus Tube Entry</td>
<td>Mary Qiu, MD</td>
</tr>
<tr>
<td>11:26 AM – 11:31 AM</td>
<td>Same-Quadrant Tube Exchange with Five-Layer Closure for Recurrent Tube Erosion</td>
<td>Mary Qiu, MD</td>
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<tr>
<td>Time</td>
<td>Event Title / Moderator</td>
<td>Location / Speaker(s)</td>
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<tr>
<td>11:31 AM – 11:36 AM</td>
<td>DIY for Glaucoma Procedures – Practice Makes a Doctor Perfect – Swati Upadhyaya, DNB, DOMS</td>
<td>Swati Upadhyaya, DNB, DOMS</td>
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<tr>
<td>11:36 AM – 11:41 AM</td>
<td>Voting &amp; Award Presentation</td>
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<tr>
<td>11:41 AM – 11:51 AM</td>
<td>Presentation of Innovator Award – Leon W. Herndon Jr., MD</td>
<td>Grand Ballroom</td>
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<tr>
<td>11:51 AM – 12:29 PM</td>
<td>Glaucoma Surgery Day Lecture – Carla J. Siegfried, MD</td>
<td>Grand Ballroom</td>
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<tr>
<td>11:51 AM – 11:56 AM</td>
<td>Introduction of Surgery Day Lecture</td>
<td>Caral. J. Siegfried, MD</td>
</tr>
<tr>
<td>11:56 AM – 12:21 PM</td>
<td>Glaucoma Management: It's All About the Patient – Andrew G. Iwach, MD</td>
<td>Andrew G. Iwach, MD</td>
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<tr>
<td>12:21 PM – 12:29 PM</td>
<td>Q&amp;A</td>
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<tr>
<td>12:29 PM – 12:30 PM</td>
<td>Announcements</td>
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<tr>
<td>12:30 PM – 2:29 PM</td>
<td>Lunch – On Your Own</td>
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<td>12:30 PM – 2:00 PM</td>
<td>Diamond Theater: Allergan (Lunch Event) – Huntington Ballroom</td>
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<tr>
<td>12:45 PM – 2:00 PM</td>
<td>President's Lunch (by invitation only) – Sandpiper Room</td>
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<tr>
<td>2:29 PM – 2:35 PM</td>
<td>MIGS: Where Is the Evidence? – Fotis Topouzis, MD (EGS)</td>
<td>Fotis Topouzis, MD (EGS)</td>
</tr>
<tr>
<td>2:35 PM – 2:41 PM</td>
<td>MIGS: The Evidence Is Here, the Time Is Now – Iqbal Ike K. Ahmed, MD</td>
<td>Iqbal Ike K. Ahmed, MD</td>
</tr>
<tr>
<td>2:41 PM – 2:43 PM</td>
<td>Scenario #1: Keep It Simple or Go for Tandem? Mild Glaucoma in a Patient With Cataracts –</td>
<td></td>
</tr>
<tr>
<td>2:43 PM – 2:48 PM</td>
<td>Option #1: Cataract Surgery Alone – Marta Pazos, MD (EGS)</td>
<td>Marta Pazos, MD (EGS)</td>
</tr>
<tr>
<td>2:48 PM – 2:53 PM</td>
<td>Option #2: A Case for MIGS + Cataracts – Lauren Sasha Blieden, MD</td>
<td>Lauren Sasha Blieden, MD</td>
</tr>
<tr>
<td>2:53 PM – 2:55 PM</td>
<td>Scenario #2</td>
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<tr>
<td>2:55 PM – 3:00 PM</td>
<td>Option #1: Xen – Joseph F. Panarelli, MD</td>
<td>Joseph F. Panarelli, MD</td>
</tr>
<tr>
<td>3:00 PM – 3:05 PM</td>
<td>Option #2: Preserflo – Ingeborg Stalmans (EGS)</td>
<td>Ingeborg Stalmans (EGS)</td>
</tr>
<tr>
<td>3:07 PM – 3:12 PM</td>
<td>Option #1: MIGS in Advanced Disease – Keith Barton, MD, FRCP, FRCS</td>
<td>Keith Barton, MD, FRCP, FRCS</td>
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<tr>
<td>3:12 PM – 3:17 PM</td>
<td>Option #2: A Case for Traditional Surgery –</td>
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<tr>
<td>3:17 PM – 3:29 PM</td>
<td>Panel Discussion</td>
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<tr>
<td>3:29 PM – 3:32 PM</td>
<td>Transition</td>
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<tr>
<td>3:32 PM – 4:32 PM</td>
<td>Surgery Day Section 4: Avoiding Another Wipeout – Be Tenacious or Opt for a Step Up? – CME</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td>3:32 PM – 3:34 PM</td>
<td>Scenario #1: Failed MIGS Stent – Joanne C. H. Wen, MD &amp; Brian A. Francis, MD</td>
<td>Joanne C. H. Wen, MD &amp; Brian A. Francis, MD</td>
</tr>
<tr>
<td>3:34 PM – 3:38 PM</td>
<td>Option #1: More MIGS! (Including Xen) – Manjool M. Shah, MD</td>
<td>Manjool M. Shah, MD</td>
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<tr>
<td>3:38 PM – 3:42 PM</td>
<td>Option #2: Trab/Tube – Eydie G. Miller-Ellis, MD</td>
<td>Eydie G. Miller-Ellis, MD</td>
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<tr>
<td>3:42 PM – 3:47 PM</td>
<td>Panel Discussion</td>
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<tr>
<td>3:47 PM – 3:49 PM</td>
<td>Scenario #2: Failed Xen – Oluwatosin U. Smith, MD</td>
<td>Oluwatosin U. Smith, MD</td>
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<tr>
<td>TIME</td>
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<td>3:53 PM – 3:57 PM</td>
<td>Option #2: Trab/Tube Shunt</td>
<td>Ahmad A. Aref, MD</td>
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<tr>
<td>3:57 PM – 4:02 PM</td>
<td>Panel Discussion</td>
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<tr>
<td>4:02 PM – 4:04 PM</td>
<td>Scenario #3: Failed Tube Shunt</td>
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<td>4:04 PM – 4:08 PM</td>
<td>Option #1: Second Tube Shunt</td>
<td>Craig J. Chaya, MD</td>
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<tr>
<td>4:08 PM – 4:12 PM</td>
<td>Option #2: CPC</td>
<td>Robert M. Feldman MD</td>
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<tr>
<td>4:12 PM – 4:17 PM</td>
<td>Panel Discussion</td>
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<tr>
<td>4:17 PM – 4:19 PM</td>
<td>Scenario #4: Failed CPC, and Everything Else!</td>
<td>Ian Patrick Conner, MD, PhD</td>
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<tr>
<td>4:19 PM – 4:23 PM</td>
<td>Option #1: More Surgery</td>
<td></td>
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<tr>
<td>4:23 PM – 4:27 PM</td>
<td>Option #2: Nonsurgical Therapy</td>
<td>Sarwat Salim, MD</td>
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<tr>
<td>4:27 PM – 4:32 PM</td>
<td>Panel Discussion</td>
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4:32 PM – 4:35 PM  **Transition**

4:35 PM – 5:35 PM  **Surgery Day Section 5: AGS/ASCRS Symposium – California Dreamin’ Vision: Balancing Refractive and IOP Targets for Glaucoma Patients [CME]**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>4:35 PM – 4:45 PM</td>
<td>IOL Calculation and Astigmatism Management in the Setting of Traditional Glaucoma Surgery</td>
<td>Aakriti Garg Shukla, MD</td>
</tr>
<tr>
<td>4:45 PM – 4:50 PM</td>
<td>Q&amp;A</td>
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<tr>
<td>4:50 PM – 5:00 PM</td>
<td>Multifocal/EDOF/LAL IOLs in Glaucoma Patients and Suspects</td>
<td>Paul Harasymowycz, MD, FRCSC</td>
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<tr>
<td>5:00 PM – 5:05 PM</td>
<td>Q&amp;A</td>
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<tr>
<td>5:05 PM – 5:15 PM</td>
<td>Use of Wavefront Analysis and Optimizing Refractive Outcomes in Phaco/MIGS</td>
<td>Sahar Bedrood, MD, PhD</td>
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<tr>
<td>5:15 PM – 5:20 PM</td>
<td>Q&amp;A</td>
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<tr>
<td>5:20 PM – 5:30 PM</td>
<td>Laser Refractive Surgery in High-Risk Glaucoma Suspects</td>
<td>Michael D. Greenwood, MD</td>
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<tr>
<td>5:30 PM – 5:35 PM</td>
<td>Q&amp;A</td>
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<tr>
<td>5:35 PM – 6:25 PM</td>
<td>Young Glaucoma Specialist (YOGS) Reception (by invitation only)</td>
<td>The Cove</td>
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6:30 PM – 8:30 PM  **Super Bowl of Grand Rounds: Cases & Cocktails Working Reception – AGS Members Only**

<table>
<thead>
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<tbody>
<tr>
<td>8:30 AM – 8:34 AM</td>
<td>Announcements</td>
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**FRIDAY, MARCH 1**

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<tr>
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<tbody>
<tr>
<td>7:00 AM – 7:50 AM</td>
<td>Morning Yoga</td>
<td>California Courtyard</td>
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<tr>
<td>7:00 AM – 8:30 AM</td>
<td>Breakfast – Exhibit Hall</td>
<td>Mariners Ballroom</td>
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<tr>
<td>7:00 AM – 5:00 PM</td>
<td>Registration</td>
<td>Grand Ballroom Foyer</td>
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<tr>
<td>7:00 AM – 3:00 PM</td>
<td>Exhibit Hall Viewing</td>
<td>Mariners Ballroom</td>
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<tr>
<td>7:15 AM – 8:15 AM</td>
<td>Diamond Theater: Glaukos (Breakfast Symposium)</td>
<td>Huntington Ballroom</td>
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<tr>
<td>7:30 AM – 8:30 AM</td>
<td>Top Posters Presentation Session 2</td>
<td>Grand Foyer South</td>
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<tr>
<td>8:30 AM – 10:30 AM</td>
<td>Spouse/Guest Hospitality Room</td>
<td>The Cove</td>
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<td>8:30 AM – 8:34 AM</td>
<td>Announcements</td>
<td>Grand Ballroom</td>
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<tr>
<td>8:34 AM – 9:34 AM</td>
<td>Paper Presentations: Medications &amp; Epidemiology  🌟</td>
<td>Grand Ballroom</td>
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<tr>
<td></td>
<td>Moderators: Steven L. Mansberger, MD, MPH &amp; Eydie G. Miller Ellis, MD</td>
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<tr>
<td>8:34 AM – 8:41 AM</td>
<td>Randomized Controlled Noninferiority Trial Evaluating the Safety and Efficacy of</td>
<td>Annamalai Odayappan, DO, NB</td>
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<td>Microdops Administered With the Nanodropper Adaptor in Glaucoma Patients</td>
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<tr>
<td>8:41 AM – 8:46 AM</td>
<td>Discussion</td>
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<tr>
<td>8:46 AM – 8:53 AM</td>
<td>Bimatoprost Induction of Lymphangiogenesis as a Potential Mechanism of Sustained</td>
<td>Archana Bhagyalakshmi Murali, BS</td>
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<td>Intraocular Pressure Reduction</td>
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<tr>
<td>8:53 AM – 8:58 AM</td>
<td>Discussion</td>
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<tr>
<td>8:58 AM – 9:05 AM</td>
<td>Eye Drop Instillation Performance and Hand Function in Glaucoma Patients</td>
<td>Madeline Kate Weber</td>
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<tr>
<td>9:05 AM – 9:10 AM</td>
<td>Discussion</td>
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<tr>
<td>9:10 AM – 9:17 AM</td>
<td>Relationship Between Chronic Stress Quantified by Allostatic Load and Glaucoma in the All of Us Research Program</td>
<td>Kristy Yoo, BA</td>
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<tr>
<td>9:17 AM – 9:22 AM</td>
<td>Discussion</td>
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<tr>
<td>9:22 AM – 9:29 AM</td>
<td>Unilateral, Bilateral, and Sequential Blindness in Glaucoma Patients in the Academy IRIS® (Intelligent Research In Sight) Registry</td>
<td>Natasha Nayak Kolomeyer, MD</td>
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<tr>
<td>9:29 AM – 9:34 AM</td>
<td>Discussion</td>
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<td>9:34 AM – 9:37 AM</td>
<td>Transition</td>
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<td></td>
<td>Moderators: Michele C. Lim, MD &amp; JoAnn A. Giaconi, MD</td>
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<tr>
<td>9:37 AM – 9:46 AM</td>
<td>Let’s Tear Into the Details of Ocular Tear Film Basics and Diagnosis of Ocular Surface Disease</td>
<td>JoAnn A. Giaconi, MD</td>
</tr>
<tr>
<td>9:46 AM – 9:55 AM</td>
<td>The Perfect Storm: How Glaucoma Medications Affect the Ocular Surface</td>
<td>Miriam Kolko, MD, PhD</td>
</tr>
<tr>
<td>9:55 AM – 10:04 AM</td>
<td>Reserve Your Preservatives: BAK, the Ocular Surface and Preservative Alternatives</td>
<td>Osamah Jawaid Saeedi, MD</td>
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<tr>
<td>10:04 AM – 10:11 AM</td>
<td>Panel Discussion</td>
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<tr>
<td>10:20 AM – 10:29 AM</td>
<td>So. Cal. Sunset or Sandy Eyes: How Do I Strategize My Glaucoma Treatment in the Setting of Ocular Surface Disease?</td>
<td>Sarah R. Wellik, MD</td>
</tr>
<tr>
<td>10:29 AM – 10:37 AM</td>
<td>Panel Discussion</td>
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<tr>
<td>10:37 AM – 11:07 AM</td>
<td>Break – Exhibit Hall</td>
<td></td>
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<tr>
<td>10:37 AM – 11:07 AM</td>
<td>Medal Level Supporter Meet &amp; Greet with AGS Leadership</td>
<td>The Cove</td>
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<td>Moderators: Linda Zangwill, PhD &amp; Ken Lin, MD, PhD</td>
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<tr>
<td>11:07 AM – 11:14 AM</td>
<td>Prediction of Functional Glaucoma Progression Combining Baseline Clinical and Structural Data With a Deep Learning Model</td>
<td>Vahid Mohammadzadeh, MD</td>
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<td>11:14 AM – 11:19 AM</td>
<td>Discussion</td>
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<td>TIME</td>
<td>EVENT TITLE / MODERATOR</td>
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<tr>
<td>11:19 AM – 11:26 AM</td>
<td>Gap Analysis of Glaucoma Examination Concept Representations Within Standard SNOMED Clinical Terms</td>
<td>Shahin Hallaj, MD</td>
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<tr>
<td>11:26 AM – 11:31 AM</td>
<td>Discussion</td>
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<td>11:38 AM – 11:43 AM</td>
<td>Discussion</td>
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<tr>
<td>11:43 AM – 11:50 AM</td>
<td>The Role of Race, Ethnicity, and Gender in Fairness for Artificial Intelligence Models for Glaucoma</td>
<td>Sophia Wang, MD, MS</td>
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<tr>
<td>11:50 AM – 11:55 AM</td>
<td>Discussion</td>
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<tr>
<td>11:55 AM – 12:02 PM</td>
<td>In Vivo Calcium Imaging of Retinal Ganglion Cell Function With Brimonidine Treatment</td>
<td>Yang Sun</td>
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<tr>
<td>12:02 PM – 12:07 PM</td>
<td>Discussion</td>
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<tr>
<td>12:07 PM – 12:10 PM</td>
<td><strong>Transition</strong></td>
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<tr>
<td>12:10 PM – 12:13 PM</td>
<td>Introduction to Glaucoma Ted Talks</td>
<td>Husam Ansari, MD, PhD and Shivani Kamat, MD</td>
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<tr>
<td>12:26 PM – 12:31 PM</td>
<td>Presentation of Guest of Honor</td>
<td>Grand Ballroom</td>
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<tr>
<td>12:31 PM – 1:11 PM</td>
<td><strong>AGS Lecture</strong></td>
<td>Grand Ballroom</td>
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<tr>
<td>1:11 PM – 2:41 PM</td>
<td><strong>Lunch – On Your Own</strong></td>
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<tr>
<td>2:41 PM – 4:11 PM</td>
<td><strong>Symposium 2: Dipping Your Toes From a Distance – Telehealth in Glaucoma</strong></td>
<td>Grand Ballroom</td>
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<td></td>
<td>Moderators: Kouros Nouri-Mahdavi, MD, MSC &amp; Joel S. Schuman, MD</td>
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<tr>
<td>2:41 PM – 2:52 PM</td>
<td>A Seagull’s Eye View of Telehealth in Ophthalmology</td>
<td>Yao Liu, MD, MS</td>
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<tr>
<td>2:52 PM – 3:03 PM</td>
<td>Mercury Rising Under the Hot Sun: All You Need to Know on Patient-Assisted IOP!</td>
<td>Thomas V. Johnson III, MD, PhD</td>
</tr>
<tr>
<td>3:03 PM – 3:14 PM</td>
<td>Scan Me, Scan Me Not: How Best to Use OCT for Glaucoma Screening or Establishing a Diagnosis?</td>
<td>Sanjay G. Asrani, MD</td>
</tr>
<tr>
<td>3:25 PM – 3:36 PM</td>
<td>Riding the Smartphone Wave for Enhancing Patient Care in Glaucoma</td>
<td>Annette L. Giangiacomo, MD</td>
</tr>
<tr>
<td>3:36 PM – 3:47 PM</td>
<td>Managing Glaucoma From Your Beach Shack: Practical Recommendations on Telehealth Implementation</td>
<td>April Y. Maa, MD</td>
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<tr>
<td>3:47 PM – 4:11 PM</td>
<td>Panel Discussion</td>
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<td>TIME</td>
<td>EVENT TITLE / MODERATOR</td>
<td>LOCATION / SPEAKER(S)</td>
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<tr>
<td>4:11 PM – 4:14 PM</td>
<td>Transition</td>
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<tr>
<td>4:14 PM – 4:27 PM</td>
<td>AGS CSI² – Speaking a Patient’s Language</td>
<td>Grand Ballroom</td>
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<td>David A. Sola Del Valle, MD</td>
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<tr>
<td>4:30 PM – 7:00 PM</td>
<td>Diamond Theater: Glaucoma Innovation Summit &amp; Reception</td>
<td>Huntington Ballroom</td>
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<tr>
<td>4:30 PM – 7:00 PM</td>
<td>Industry Forum</td>
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**SATURDAY, MARCH 2**

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<tr>
<th>TIME</th>
<th>EVENT TITLE / MODERATOR</th>
<th>LOCATION / SPEAKER(S)</th>
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<tbody>
<tr>
<td>6:30 AM – 7:30 AM</td>
<td>AGS Fun Run/Walk</td>
<td>Lighthouse Courtyard</td>
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<tr>
<td>7:00 AM – 5:00 PM</td>
<td>Registration</td>
<td>Grand Ballroom Foyer</td>
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<td>7:00 AM – 8:30 AM</td>
<td>Breakfast – Exhibit Hall</td>
<td>Mariners Ballroom</td>
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<td>7:30 AM – 8:30 AM</td>
<td>Diamond Theater: WinG Breakfast (sponsored by Glaukos)</td>
<td>Huntington Ballroom</td>
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<tr>
<td>7:30 AM – 8:30 AM</td>
<td>Top Posters Presentation Session 3</td>
<td>Grand Foyer South</td>
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<tr>
<td>7:00 AM – 8:30 AM</td>
<td>Top Posters Presentation Session 3</td>
<td>Grand Foyer South</td>
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<tr>
<td>7:00 AM – 2:00 PM</td>
<td>Exhibit Hall Viewing</td>
<td>Mariners Ballroom</td>
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<tr>
<td>8:30 AM – 10:30 AM</td>
<td>Spouse/Guest Hospitality Room</td>
<td>The Cove</td>
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<tr>
<td>8:30 AM – 8:31 AM</td>
<td>Announcements</td>
<td>Grand Ballroom</td>
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<tr>
<td>8:31 AM – 9:31 AM</td>
<td>Top 5 Plenary Paper Presentations</td>
<td>Grand Ballroom</td>
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<tr>
<td></td>
<td>Moderators: Jeffrey L. Goldberg, MD &amp; Anne L. Coleman, MD, PhD</td>
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<td>8:31 AM – 8:38 AM Evaluating Primary Treatment for People Presenting With Advanced Glaucoma: Five-Year Results of the Treatment of Advanced Glaucoma Study</td>
<td>Anthony King, MD, MMedSci</td>
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<td>8:38 AM – 8:43 AM Discussion</td>
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<td>8:43 AM – 8:50 AM Genetic Risk for Open-Angle Glaucoma Subtypes Is Associated With Specific Visual Field Defect Classes</td>
<td>Sayuri Sekimitsu, BS</td>
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<td>8:50 AM – 8:55 AM Discussion</td>
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<td>8:55 AM – 9:02 AM The Impact of Social Vulnerability on Structural and Functional Glaucoma Severity, Worsening, and Variability</td>
<td>Louay Almidani, MD, MSc</td>
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<td>9:02 AM – 9:07 AM Discussion</td>
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<td>9:07 AM – 9:14 AM Improving the Detection of Visual Field Worsening by Using OCT Guidance</td>
<td>Jithin Yohannan, MD, MPH</td>
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<td>9:14 AM – 9:19 AM Discussion</td>
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<td>9:19 AM – 9:26 AM Artificial Intelligence Characterization of Spatial Patterns of Macula and Their Association With Central Visual Field Progression in Glaucoma</td>
<td>Golnoush Mahmoudinezhad, MD, MPH</td>
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<td></td>
<td>9:26 AM – 9:31 AM Discussion</td>
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<tr>
<td>9:31 AM – 9:34 AM</td>
<td>Transition</td>
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<td>9:34 AM – 9:39 AM</td>
<td>Presentation of President’s Award</td>
<td>Grand Ballroom</td>
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<td>Leon W. Herndon Jr., MD</td>
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<td>9:39 AM – 10:19 AM</td>
<td>DC Update</td>
<td>Grand Ballroom</td>
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<td>Moderators: Leon W. Herndon Jr., MD &amp; Carla J. Siegfried, MD</td>
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<tr>
<td>9:39 AM – 9:44 AM</td>
<td>Introduction</td>
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<tr>
<td>9:50 AM – 9:56 AM</td>
<td>What Can We Do About Future Glaucoma Man(Woman) Power Shortages? Jane C. Edmond, MD</td>
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<tr>
<td>9:56 AM – 10:02 AM</td>
<td>Medicare Battles on Behalf of Our Patients Geoffrey T. Emerick MD</td>
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<tr>
<td>10:02 AM – 10:19 AM</td>
<td>Panel Discussion and Q&amp;A</td>
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<td>10:19 AM – 10:49 AM</td>
<td>Break – Exhibit Hall</td>
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<tr>
<td>10:49 AM – 12:19 PM</td>
<td>Symposium 3: AI in Glaucoma – What’s Real, What’s Possible, and What’s Science Fiction</td>
<td>Grand Ballroom</td>
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<td>Moderators: Thasar S. Vajaranant, MD, MHA &amp; Malik Y. Kahook, MD</td>
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<tr>
<td>10:49 AM – 10:59 AM</td>
<td>Glaucoma and AI: The World of Tomorrow, Today Felipe A. Medeiros, MD, PhD</td>
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<td>10:59 AM – 11:09 AM</td>
<td>Oh, the Places You’ll Go (with AI)! Nazlee Zebardast, MD, MSC</td>
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<tr>
<td>11:09 AM – 11:19 AM</td>
<td>AI Implementation: More Than Meets the Eye Benjamin Xu, MD, PhD</td>
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<td>11:19 AM – 11:29 AM</td>
<td>Glaucoma Research: The Next Generation Siamak Yousefi, PhD</td>
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<tr>
<td>11:29 AM – 11:39 AM</td>
<td>Should We Fear or Embrace Our Future Machine Overlords? Robert Chang, MD</td>
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<tr>
<td>11:39 AM – 11:49 AM</td>
<td>AI Ethics: Do Androids Dream of Electric Eyeballs? Michael V. Boland, MD, PhD</td>
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<tr>
<td>11:49 AM – 12:19 PM</td>
<td>Panel Discussion</td>
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<tr>
<td>12:19 PM – 12:32 PM</td>
<td>AGS CSI2 – Dumpsters, Black Rocks, Bathroom Injections; the IVF Journey of an Ophthalmologist Noureen Khan, MD</td>
<td>Grand Ballroom</td>
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<tr>
<td>12:32 PM – 2:02 PM</td>
<td>Lunch Break</td>
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<td>12:32 PM – 2:02 PM</td>
<td>Diamond Theater: ZEISS Lunch Event Huntington Ballroom</td>
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<td>12:32 PM – 2:02 PM</td>
<td>YOGS Roundtable Lunch (by invitation only) Fountain East and West</td>
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<tr>
<td>2:00 PM – 6:00 PM</td>
<td>Exhibitor Teardown</td>
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<td>2:02 PM – 3:02 PM</td>
<td>Paper Presentations: Diagnostics &amp; Other</td>
<td>Grand Ballroom</td>
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<td>Moderators: Sasan Moghimi, MD &amp; Lucy Q. Shen, MD</td>
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<tr>
<td>2:02 PM – 2:09 PM</td>
<td>Short-Term Detection of Fast Progressors in Glaucoma: The Fast-PACE (Progression Assessment Through Clustered Evaluation) Study Felipe Medeiros, MD, PhD</td>
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<td>2:09 PM – 2:14 PM</td>
<td>Discussion</td>
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<td>2:14 PM – 2:21 PM</td>
<td>Geometric Considerations in the Correction of the Myopia Bias in OCT Nerve Fiber Layer Measurements David Huang, MD, PhD</td>
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<tr>
<td>2:21 PM – 2:26 PM</td>
<td>Discussion</td>
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<tr>
<td>2:26 PM – 2:33 PM</td>
<td>Visual Field Outcomes in the Primary Tube Versus Trabeculectomy Study Alessandro A. Jammal, MD, PhD</td>
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<td>2:33 PM – 2:38 PM</td>
<td>Discussion</td>
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<td>2:38 PM – 2:45 PM</td>
<td>Cost Savings Associated With Reusable Tonometry Prisms and Gonioscopy Lenses Aakriti (Aaki) Garg Shukla, MD</td>
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<td>2:45 PM – 2:50 PM</td>
<td>Discussion</td>
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<td>2:50 PM – 2:57 PM</td>
<td>Understanding the Healthcare Experience for Spanish-Speaking Patients With Non-English Language Preference in Ophthalmology Tochukwu Ndukwe, BS, MD</td>
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<td>2:57 PM – 3:02 PM</td>
<td>Discussion</td>
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<td>2:49 PM – 2:52 PM</td>
<td>Alan Crandall, MD, International Humanitarian Award Recipient</td>
<td>Grand Ballroom</td>
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<td>Leon W. Herndon Jr., MD</td>
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<td>2:52 PM – 3:05 PM</td>
<td>AGS CSI² – Serendipity</td>
<td>Grand Ballroom</td>
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<td>Joel S. Schuman, MD</td>
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<tr>
<td>3:05 PM – 3:20 PM</td>
<td>Presentation of International Scholar, Outstanding Educator, and Humanitarian Awards</td>
<td>Grand Ballroom</td>
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<td>Leon W. Herndon Jr., MD</td>
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<td>3:20 PM – 4:00 PM</td>
<td>Clinician-Scientist Lecture</td>
<td>Grand Ballroom</td>
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<td>3:20 PM – 3:25 PM</td>
<td>Introduction of Clinician-Scientist Lecture</td>
<td>Michele C. Lim, MD</td>
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<td>3:50 PM – 4:00 PM</td>
<td>Q&amp;A</td>
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<td>4:00 PM – 4:10 PM</td>
<td>Break</td>
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<td>Moderators: Rachel W. Kuchtay, MD, PhD &amp; Carla J. Siegfried, MD</td>
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<td>4:10 PM – 4:12 PM</td>
<td>Introduction to Symposium and Case Presentation</td>
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<tr>
<td>4:12 PM – 4:20 PM</td>
<td>Danger in Shallow Water! Dealing With Complications After MIGS</td>
<td>Swarup S. Swaminathan, MD</td>
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<tr>
<td>4:20 PM – 4:25 PM</td>
<td>Panel Discussion</td>
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<td>4:25 PM – 4:27 PM</td>
<td>Case Presentation</td>
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<td>4:27 PM – 4:35 PM</td>
<td>Sandbagged by the Patient’s Caregiver: Who’s the Patient Here?</td>
<td>David Fleischman, MD, MS</td>
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<tr>
<td>4:35 PM – 4:40 PM</td>
<td>Panel Discussion</td>
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<tr>
<td>4:40 PM – 4:42 PM</td>
<td>Case Presentation</td>
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<td>4:42 PM – 4:50 PM</td>
<td>Shark Attack! My Patient Is a Malpractice Attorney . . .</td>
<td>Lisa Fran Rosenberg, MD</td>
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<tr>
<td>4:50 PM – 4:55 PM</td>
<td>Panel Discussion</td>
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<tr>
<td>4:55 PM – 4:57 PM</td>
<td>Case Presentation</td>
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<tr>
<td>4:57 PM – 5:05 PM</td>
<td>Hang 10: Riding the Waves With Your Patient and Fishing for the Right Approach</td>
<td>Gayle C. Howard, MD, PhD</td>
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<tr>
<td>5:05 PM – 5:10 PM</td>
<td>Panel Discussion</td>
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<tr>
<td>7:00 PM – 9:30 PM</td>
<td>AGS Disco Party &amp; Closing Reception</td>
<td>Lighthouse Courtyard</td>
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**SUNDAY, MARCH 3**

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<th>TIME</th>
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<th>LOCATION / SPEAKER(S)</th>
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<tr>
<td>7:00 AM – 9:00 AM</td>
<td>Registration</td>
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<tr>
<td>7:00 AM – 9:00 AM</td>
<td>Breakfast</td>
<td>Huntington Ballroom</td>
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<tr>
<td>7:30 AM – 8:30 AM</td>
<td>Breakfast Roundtable Discussions (AGS Members only)</td>
<td>Huntington Ballroom</td>
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<tr>
<td></td>
<td>Moderators: Andrew George Iwach, MD, Terri Pickering, MD</td>
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<td>Julia Rosdahl, MD, PhD, Amy Duoxi Zhang, MD</td>
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<td>TIME</td>
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<td>LOCATION / SPEAKER(S)</td>
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<tr>
<td></td>
<td>Diagnostics and Progression</td>
<td>Luis E. Vazquez, MD, PhD Teresa C. Chen, MD</td>
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<td>How Private Equity Changed My Practice</td>
<td>Edward Yung, MD Christine L. Larsen, MD</td>
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<td>Coping With Bad Patient Outcomes</td>
<td>Ying Han, MD, PhD Paul F. Palmberg, MD</td>
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<td>Getting Started With Global Ophthalmology</td>
<td>Richard K Lee, MD, PhD Mildred MG Olivier, MD</td>
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<td>How Do I Manage Angle Closure Patients in the Post-Zap Study and Post-EAGLE Study World?</td>
<td>Carina Sanvicente, MD Sunita Radhakrishnan, MD</td>
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<td>How to Learn New Surgical Techniques After Residency</td>
<td>Kateki Vinod, MD Victoria Li-Ting Tseng, MD, PhD</td>
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<td>Women in Glaucoma</td>
<td>Anne L. Coleman, MD, PhD Lama A. Al-Aswad, MD, MPH</td>
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<td>Totally Tubular – How to Think About and Manage Glaucoma Drainage Devices</td>
<td>Peter T. Chang, MD Roma P. Patel, MD</td>
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<td>Partnering With Industry</td>
<td>Shivani S. Kamat, MD Robert J. Noecker, MD</td>
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<td>Diversity, Equity, and Inclusion</td>
<td>Ann Caroline Fisher, MD Ayan Chatterjee, MD Jonathan S. Hernandez, MD</td>
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<td>8:30 AM – 10:30 AM</td>
<td>Workshops (AGS Members only)</td>
<td>Huntsington Ballroom</td>
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<td>8:30 AM – 10:30 AM</td>
<td>Coding Workshop</td>
<td>Alena Klimava Reznik, MD Ronald Fellman, MD</td>
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SYMPOSIA
Symposia

Chairs
Michele C. Lim, MD &
Kourosh Nouri-Mahdavi, MD, MSC

Wednesday, February 28

Through the Patient’s Eyes:
Patient Engagement Event

Moderators
Julia Rosdahl, MD, PhD &
Amy Duoxi Zhang, MD

A One-on-One Discussion:
Glaucoma Doctor and Patient
With Audience Participation
Leon W. Herndon Jr., MD &
Ms. Laura Savini

Glaucoma Surgery Day

Thursday, February 29

Co-chairs
Leo K. Seibold, MD &
Qi N. Cui, MD, PhD

Surgery Day Section 1:
SOS: Surgery on the Skids –
What’s My Next Move?

Moderators
Vikas Chopra, MD &
George H. Tanaka, MD

Case/Video #1:
Phaco-MIGS Case With PC Tear
Sameh Mosaed, MD

Case/Video #2:
Excessive Bleeding During MIGS
Arsham Sheybani, MD

Case/Video #3:
Scleral Flap Problem –
Can’t Control Flow
(Torn Flap, Thin Flap, Etc.)
Marlene R. Moster, MD

Case/Video #4:
Accidentally Cut Tube
During Insertion
Cara E. Capitena Young, MD

Case/Video #5:
Can’t Close Conjunctiva
During Trab/Tube Revision
Shane J. Havens, MD
Surgery Day Section 2: Paper Presentations

Moderators
Leo K. Seibold, MD & Qi N. Cui, MD, PhD

The Duke Baerveldt Versus Ahmed Clearpath Study (DBACS): A Randomized Control Trial Comparing Baerveldt 350 and Clearpath 350 Glaucoma Drainage Devices
Andrew Gross, MD

Multicenter Canaloplasty Data Registry – Outcomes of Ab-Inferno Canaloplasty Across Different Glaucoma Types and Severity
Keith Barton, MD, FRCP, FRCS

Outcomes of Full 360-Degree Versus 180-Degree Trabeculotomy Without Phacoemulsification: An International Multicenter Study
Ahmed Abdelaal, MD

Influence of Baseline Intraocular Pressure or Medication on Two-Year Outcomes of a Suprachiliary Drainage Device in the STAR-I, II, III Trials
Poonam Misra, MD

A Comparative Study of Two Types of Non-Valved Glaucoma Drainage Devices
Michael Pro, MD

Surgical Video Competition Finalists & Award Presentation

Moderator
Christopher Teng, MD

Phaco/GATT With Cyclodialysis Cleft Formation and Repair
Brian Krawitz, MD

Amniotic Membrane Graft for an Overfiltering Scleral Flap
Wendy Liu, MD, PhD

Three Techniques for Guidewire-Assisted Sulcus Tube Entry
Mary Qiu, MD

Same-Quadrant Tube Exchange With Five-Layer Closure for Recurrent Tube Erosion
Mary Qiu, MD

DIY for Glaucoma Procedures – Practice Makes a Doctor Perfect
Swati Upadhyaya, DNB, DOMS
Surgery Day Section 3:
AGS/EGS Joint Symposium –
MIGS Perspectives From
Across the Pond

Moderators
Thomas W. Samuelson, MD &
Ananth Viswanathan, MD

MIGS: Where Is the Evidence?
Fotis Topouzis, MD (EGS)

MIGS: The Evidence Is Here,
the Time Is Now
Iqbal Ike K. Ahmed, MD

Scenario #1:
Keep It Simple or Go for Tandem?
Mild Glaucoma in a Patient
With Cataracts
Option #1: Cataract Surgery Alone
Marta Pazos, MD (EGS)

Option #2: A Case for
MIGS + Cataracts
Lauren Sasha Blieden, MD

Scenario #2
Option #1: Xen
Joseph F. Panarelli, MD

Option #2: Preserflo
Ingeborg Stalmans (EGS)

Scenario #3:
A Tidal Wave Is Rolling In:
What to Do for Advanced Glaucoma?
Option #1: MIGS in
Advanced Disease
Erin G. Sieck, MD

Option #2: A Case for
Traditional Surgery
Keith Barton, MD, FRCP, FRCS

Surgery Day Section 4:
Avoiding Another Wipeout –
Be Tenacious or Opt for a Step Up?

Moderators
Joanne C. H. Wen, MD &
Brian A. Francis, MD

Summary:
The optimal surgical strategy following failed prior glaucoma surgery remains a challenge. The benefits and risks of the next surgical intervention are carefully weighed and vary based on the previously failed surgery. This symposium will cover the evidence supporting various surgical strategies after previously failed glaucoma surgery across a range of prior glaucoma surgeries from a single failed minimally invasive glaucoma surgery to multiple failed traditional surgeries.

Scenario #1: Failed MIGS Stent
Option #1: More MIGS!
(Including Xen)
Manjool M. Shah, MD

Option #2: Trab/Tube
Eydie G. Miller-Ellis, MD

Scenario #2: Failed Xen
Option #1: Revision or Second Xen
Oluwatosin U. Smith, MD

Option #2: Trab/Tube Shunt
Ahmad A. Aref, MD

Scenario #3: Failed Tube Shunt
Option #1: Second Tube Shunt
Craig J. Chaya, MD

Option #2: CPC
Robert M. Feldman, MD

Scenario #4: Failed CPC and Everything Else!
Option #1: More Surgery
Ian Patrick Conner, MD, PhD

Option #2: Nonsurgical Therapy
Sarwat Salim, MD
Surgery Day Section 5:
AGS/ASCRS Symposium –
California Dreamin’ Vision:
Balancing Refractive and IOP
Targets for Glaucoma Patients

Moderators
Jella Angela An, BSC, FRCSC, MD &
Davinder S. Grover, MD, MPH (ASCRS)

Summary:
The symposium aims to provide valuable insights into the
complex interplay of achieving refractive targets while effectively
managing glaucoma. Attendees will gain a deeper understanding
of how to navigate the challenges posed by advanced intraocular
lens technologies and refractive procedures in patients with
glaucoma across the entire spectrum of the disease, from those in
the early stages to advanced cases. Attendees will gain confidence
in achieving the best possible visual outcomes for their patients
without compromising their quality of vision or jeopardizing
appropriate glaucoma management.

IOL Calculation and Astigmatism
Management in the Setting of
Traditional Glaucoma Surgery
Aakriti Garg Shukla, MD

Multifocal/EDOF/LAL IOLs in
Glaucoma Patients and Suspects
Paul Harasymowycz, MD, FRCSC

Use of Wavefront Analysis and
Optimizing Refractive Outcomes
in Phaco/MIGS
Sahar Bedrood, MD, PhD

Laser Refractive Surgery in
High-Risk Glaucoma Suspects
Michael D. Greenwood, MD

Friday, March 1

Paper Presentations:
Medications & Epidemiology

Moderators
Steven L. Mansberger, MD, MPH &
Eydie G Miller Ellis, MD

Randomized Controlled
Noninferiority Trial Evaluating the
Safety and Efficacy of Microdrops
Administered With the Nanodropper
Adaptor in Glaucoma Patients
Annamalai Odayappan, DO, NB

Bimatoprost Induction of
Lymphangiogenesis as a
Potential Mechanism of
Sustained Intraocular
Pressure Reduction
Archana Bhagyalakshmi Murali, BS

Eye Drop Instillation Performance
and Hand Function in
Glaucoma Patients
Madeline Kate Weber

Relationship Between
Chronic Stress Quantified by
Allostatic Load and Glaucoma
in the All of Us Research Program
Kristy Yoo, BA

Unilateral, Bilateral, and Sequential
Blindness in Glaucoma Patients in
the Academy IRIS® (Intelligent
Research In Sight) Registry
Natasha Nayak Kolomeyer, MD
Symposium 1: Where the Surf Meets the Turf: Glaucoma and the Ocular Surface

Moderators
Michele C. Lim, MD & JoAnn A. Giaconi, MD

Let’s Tear Into the Details of Ocular Tear Film Basics and Diagnosis of Ocular Surface Disease
JoAnn A. Giaconi, MD

The Perfect Storm: How Glaucoma Medications Affect the Ocular Surface
Miriam Kolko, MD, PhD

Reserve Your Preservatives: BAK, the Ocular Surface, and Preservative Alternatives
Osamah Jawaid Saeedi, MD

Step Into Liquid: What’s New in the Treatment of Dry Eye Disease?
Saba K. Al-Hashimi, MD

So. Cal. Sunset or Sandy Eyes: How Do I Strategize My Glaucoma Treatment in the Setting of Ocular Surface Disease?
Sarah R. Wellick, MD

Paper Presentations: AI & Diagnostics

Moderators
Linda Zangwill, PhD & Ken Lin, MD, PhD

Prediction of Functional Glaucoma Progression Combining Baseline Clinical and Structural Data With a Deep Learning Model
Vahid Mohammadzadeh, MD

Gap Analysis of Glaucoma Examination Concept Representations Within Standard SNOMED Clinical Terms
Shahin Hallaj, MD

Estimating Individualized Baseline for Retinal Nerve Fiber Layer Thickness Using Deep Learning
Ou Tan, PhD

The Role of Race, Ethnicity, and Gender in Fairness for Artificial Intelligence Models for Glaucoma
Sophia Wang, MD, MS

In Vivo Calcium Imaging of Retinal Ganglion Cell Function With Brimonidine Treatment
Yang Sun

Introduction to Creatively Sharing Ideas & Inspirations (CSI²)

Husam Ansari, MD

AGS CSI² – Unveiling the Science of Career Happiness

Ruth D. Williams, MD
**Symposium 2:**
**Dipping Your Toes From a Distance – Telehealth in Glaucoma**

**Moderators**
Kourosh Nouri-Mahdavi, MD, MSC &
Joel S. Schuman, MD

**Summary**
The symposium reviews various tools available for implementing telehealth in the practice of glaucoma. A summary of the current state of telehealth in the field of glaucoma is provided. It is followed by a review of devices used for home tonometry and home perimetry, and a discussion of the utility of OCT imaging for glaucoma screening and diagnosis. Current smartphones apps tailored towards glaucoma patients will be discussed. Practical recommendations will then be provided for implementing a telehealth system for diagnostic and management purposes in the care of glaucoma patients and the challenges will be reviewed.

**A Seagull’s Eye View of Telehealth in Ophthalmology**
Yao Liu, MD, MS

**Mercury Rising Under the Hot Sun: All You Need to Know on Patient-Assisted IOP!**
Thomas V. Johnson III, MD, PhD

**Scan Me, Scan Me Not: How Best to Use OCT for Glaucoma Screening or Establishing a Diagnosis?**
Sanjay G. Asrani, MD

**Eyes Under Water: Is Home Perimetry Ready for Prime Time?**
Yvonne Ou, MD

**Riding the Smartphone Wave for Enhancing Patient Care in Glaucoma**
Annette L. Giangiacomo, MD

**Managing Glaucoma From Your Beach Shack: Practical Recommendations on Telehealth Implementation**
April Y. Maa, MD

**Saturday, March 2**
**TOP 5 Plenary Paper Presentations**

**Moderators**
Jeffrey L. Goldberg, MD, PhD &
Anne L. Coleman, MD, PhD

**Evaluating Primary Treatment for People Presenting With Advanced Glaucoma: Five-Year Results of the Treatment of Advanced Glaucoma Study**
Anthony King, MD, MMedSci

**Genetic Risk for Open-Angle Glaucoma Subtypes Is Associated With Specific Visual Field Defect Classes**
Sayuri Sekimitsu, BS

**The Impact of Social Vulnerability on Structural and Functional Glaucoma Severity, Worsening, and Variability**
Louay Almidani, MD, MSc

**Improving the Detection of Visual Field Worsening by Using OCT Guidance**
Jithin Yohannan, MD, MPH

**Artificial Intelligence Characterization of Spatial Patterns of Macula and Their Association With Central Visual Field Progression in Glaucoma**
Golnoush Mahmoudinezhad, MD, MPH

**AGS CSI2 – Speaking a Patient’s Language**
David A. Sola Del Valle, MD
DC Update

Moderators
Leon W. Herndon Jr., MD &
Carla J. Siegfried, MD

What Is Happening on the Hill?
Rebecca J. Hyder

What Can We Do About
Future Glaucoma Man (Woman)
Power Shortages?
Jane C. Edmond, MD

Medicare Battles on Behalf of
Our Patients
Geoffrey T. Emerick, MD

Symposium 3:
AI in Glaucoma –
What’s Real, What’s Possible,
and What’s Science Fiction

Moderators
Thasarat S. Vajaranant, MD, MHA &
Malik Y. Kahook, MD

Glaucoma and AI:
The World of Tomorrow, Today
Felipe A. Medeiros, MD, PhD

Oh, the Places You’ll Go (with AI)!
Nazlee Zebardast, MD, MSC

AI Implementation:
More Than Meets the Eye
Benjamin Xu, MD, PhD

Glaucoma Research:
The Next Generation
Siamak Yousefi, PhD

Should We Fear or Embrace
Our Future Machine Overlords?
Robert Chang, MD

AI Ethics: Do Androids Dream
of Electric Eyeballs?
Michael V. Boland, MD, PhD

Dumpsters, Black Rocks,
Bathroom Injections; the IVF
Journey of an Ophthalmologist
Noureen Khan, MD
Paper Presentations: Diagnostics & Other

Moderators
Sasan Moghimi, MD &
Lucy Q. Shen, MD

Short-Term Detection of Fast Progressors in Glaucoma: The Fast-PACE (Progression Assessment Through Clustered Evaluation) Study
Felipe Medeiros, MD, PhD

Geometric Considerations in the Correction of the Myopia Bias in OCT Nerve Fiber Layer Measurements
David Huang, MD, PhD

Visual Field Outcomes in the Primary Tube Versus Trabeculectomy Study
Alessandro A. Jammal, MD, PhD

Cost Savings Associated With Reusable Tonometry Prisms and Gonioscopy Lenses
Aakriti (Aaki) Garg Shukla, MD

Understanding the Healthcare Experience for Spanish-Speaking Patients With Non-English Language Preference in Ophthalmology
Tochukwu Ndukwe, BS, MD

Symposium 4: A Life Preserver for Challenging Patients That May Leave You Stranded at Sea . . .

Moderators
Rachel W. Kuchtey, MD, PhD &
Carla J. Siegfried, MD

Summary
In this symposium, four experienced glaucoma specialists will dive deeply into the sea of real-world difficult situations. During this journey, from the shallow water to deep ocean trenches, the audience will experience the pain but emerge triumphantly together.

Danger in Shallow Water! Dealing With Complications After MIGS
Swarup S. Swaminathan, MD

Sandbagged by the Patient’s Caregiver: Who’s the Patient Here?
David Fleischman, MD, MS

Shark Attack! My Patient Is a Malpractice Attorney . . .
Lisa Fran Rosenberg, MD

Hang 10: Riding the Waves With Your Patient and Fishing for the Right Approach
Gayle C. Howard, MD, PhD

AGS CSI² – Serendipity

Joel S. Schuman, MD
Breakfast Roundtable Discussions
(AGS Members Only)

Sunday, March 3

Managing Your Medicolegal Liability
Andrew George Iwach, MD & Terri Pickering, MD

Avoiding Burnout and Quiet Quitting
Julia Rosdahl, MD, PhD & Amy Duoxi Zhang, MD

Diagnostics and Progression
Luis E. Vazquez, MD, PhD & Teresa C. Chen, MD

How Private Equity Changed My Practice
Edward Yung, MD & Christine L. Larsen, MD

Coping With Bad Patient Outcomes
Ying Han, MD, PhD & Paul F. Palmberg, MD, PhD

Getting Started With Global Ophthalmology
Richard K Lee, MD, PhD & Mildred MG Olivier, MD

How Do I Manage Angle Closure Patients in the Post-Zap Study and Post-EAGLE Study World?
Carina Sanvicente, MD & Sunita Radhakrishnan, MD

How to Learn New Surgical Techniques After Residency
Kateki Vinod, MD & Victoria Li-Ting Tseng, MD, PhD

Women in Glaucoma
Anne L. Coleman, MD, PhD & Lama A. Al-Aswad, MD, MPH

Totally Tubular – How to Think About and Manage Glaucoma Drainage Devices
Peter T. Chang, MD & Roma P. Patel, MD

Partnering With Industry
Shivani S. Kamat, MD & Robert J. Noecker, MD

Diversity, Equity, and Inclusion
Ann Caroline Fisher, MD & Ayan Chatterjee, MD
WORKSHOPS
Workshops
(AGS Members Only)

Sunday, March 3

Coding Workshop

Moderators
Joy Woodke, COE
Ronald L. Fellman, MD
Alena Klimava Reznik, MD
## AGS 2024 Poster Schedule

All posters are available to view on the Virtual Meeting Platform and app throughout the meeting. In-person Top Poster presentation sessions will be held in the Exhibit Hall from 7:30 AM to 8:30 AM on Thursday, Friday, and Saturday.

### Top Posters

**THURSDAY, FEBRUARY 29**

#### Pot pourri

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<tr>
<th>Poster Number</th>
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<tr>
<td>1</td>
<td>Gap Analysis of Glaucoma Examination Concept Representations within Standard Snomed Clinical Terms</td>
<td>Shahin Hallaj, MD</td>
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<tr>
<td>2</td>
<td>Comparison of Traditional and Newer Glaucoma Procedures Based on Physician Practice Duration and Rural/Urban Practice Setting</td>
<td>Grace Xiao, MD</td>
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<td>3</td>
<td>Industry Payments Received by Academic Glaucoma Specialists</td>
<td>Esha Shah</td>
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#### Epidemiology

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<tr>
<td>4</td>
<td>The Association between Blood Pressure and Glaucomatous Progression</td>
<td>Vincent Pham, BS</td>
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<td>5</td>
<td>The Association between Alcohol Use and Glaucoma using the National Institutes of Health All of Us Research Program: A Case-Control Study</td>
<td>Leo Meller, BS</td>
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<tr>
<td>6</td>
<td>Association of Primary Open-Angle Glaucoma with Diabetic Retinopathy Among Patients with Type 1 and Type 2 Diabetes: A Large Global Database Study</td>
<td>Abdelrahman Elhusseiny, MD, MSc</td>
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<tr>
<td>7</td>
<td>Association between Long-Term Systemic Use of Calcium Channel Blockers and Primary Open Angle Glaucoma in the All of Us Research Program</td>
<td>Kiana Tavakoli, MD</td>
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<tr>
<td>8</td>
<td>Impact of Smoking on the Development of Glaucoma in Los Angeles Safety-Net Patients with Diabetic Retinopathy</td>
<td>Ryan Shean, BA</td>
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<tr>
<td>9</td>
<td>Sociodemographic Disparities in Initial Glaucoma Disease Severity: A Nationwide Ehr Cohort Analysis</td>
<td>Swarup Swaminathan, MD</td>
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<tr>
<td>10</td>
<td>Racial/Ethnic Disparities in Ophthalmology Research: A Systematic Review of Randomized Clinical Trials between 2010-2022</td>
<td>Alison Zhao, BA</td>
</tr>
<tr>
<td>11</td>
<td>Practice Patterns and Sociodemographic Disparities in the Care of Anatomical Narrow Angles in the United States</td>
<td>Alanna James, BS, MD</td>
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<tr>
<td>12</td>
<td>Equitable Artificial Intelligence for Glaucoma Screening with Fair Identity Normalization</td>
<td>Mengyu Wang, PhD</td>
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### Filtering

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<tr>
<td>13</td>
<td>One-Year Clinical Outcomes of Preserflo Microshunt Compared to</td>
<td>Maria Camila Aguilar, MD</td>
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<td>Non-Penetrating Glaucoma Surgery</td>
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<td>14</td>
<td>Xen Gel Stent Outcomes in Open Angle Glaucoma Patients:</td>
<td>Justin Shanklin, BA</td>
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<td></td>
<td>Comparison of Open vs. Closed Conunctiva at 12 Months</td>
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<td>15</td>
<td>Trabeculectomy with Mitomycin-C vs. Glaucoma Drainage Implant</td>
<td>Christian Nieves, MD</td>
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<td>for the Surgical Treatment of Glaucoma Associated with Iridocorneal</td>
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<td>Endothelial Syndrome</td>
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<td>16</td>
<td>Outcomes and Complications of Cataract Surgery During the Same Setting</td>
<td>Joseph Toma, MD</td>
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<td></td>
<td>vs. After Prior Trabeculectomy: A Multicenter Database Study</td>
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<td>17</td>
<td>Outcomes of Second Trabeculectomy vs. Glaucoma Drainage Device</td>
<td>Kasem Seresirikachorn, MD</td>
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<td></td>
<td>Implantation in Juvenile Open-Angle Glaucoma After Primary Trabeculectomy Failure</td>
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### MIGS 1

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<tr>
<td>27</td>
<td>12-Month Outcomes of Canaloplasty Combined with Phacoemulsification in Hispanic Adults with Open-Angle Glaucoma in a Multicenter Study</td>
<td>Clarisa del Hierro, MD</td>
</tr>
<tr>
<td>28</td>
<td>Canaloplasty Performed with the Itrack Microcatheter to Reduce IOP in Uncontrolled Glaucoma Eyes</td>
<td>Paul Harasymowycz, MD, FRCSC</td>
</tr>
<tr>
<td>29</td>
<td>Standalone Canaloplasty and Trabeculotomy in Pseudophakic Eyes with Primary Open-Angle Glaucoma: Prospective, Multicenter, 24-Month Outcomes</td>
<td>Brian Flowers, MD</td>
</tr>
<tr>
<td>30</td>
<td>Performing Ab-interno Canaloplasty in PACG Eyes Across Different Stages of Glaucoma Severity</td>
<td>Jessica Hsueh, MD</td>
</tr>
<tr>
<td>31</td>
<td>Standalone Ab-interno Canaloplasty in Severe Uncontrolled Glaucoma Eyes: A Case Series: 36 Months Results</td>
<td>Mark Gallardo, MD</td>
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### Surgery

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<tbody>
<tr>
<td>32</td>
<td>Hypotony Failure Criteria in Glaucoma Surgical Studies and Their Influence on Surgery Success</td>
<td>Alessandro Rabiolo, MD</td>
</tr>
<tr>
<td>33</td>
<td>Incidence of Clinical Cystoid Macular Edema After Goniotomy with or without Combined Phacoemulsification: A Retrospective Analysis</td>
<td>Kyle Cotten, DO</td>
</tr>
<tr>
<td>34</td>
<td>The Effect of Pars Plana Vitrectomy on Ocular Biomechanics and Aqueous Humor Dynamics</td>
<td>Taylor Nayman, MD, CM</td>
</tr>
<tr>
<td>35</td>
<td>Canaloplasty Effectiveness Correlated with Viscoelastic Volume Delivered in Schlemm’s Canal</td>
<td>Shamil Patel, MD, MBA</td>
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### SATURDAY, MARCH 2

### Tubes

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<tr>
<th>Poster Number</th>
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<tbody>
<tr>
<td>36</td>
<td>Reversal of Corneal Edema Following Glaucoma Drainage Device Repositioning without Corneal Transplantation</td>
<td>Jay Rathinavelu, BSE</td>
</tr>
<tr>
<td>37</td>
<td>Baerveldt-350 with Adjunctive Goniotomy: 1-Year Outcomes</td>
<td>Jacob Kanter, MD</td>
</tr>
<tr>
<td>38</td>
<td>Surgical Outcomes of Baerveldt Glaucoma Drainage Device (Bgd) vs. Trabeculcotmy with Mitomycin C (Trab/Mmc) After Failed Xen Gel Stent in Eyes with Open Angle Glaucoma</td>
<td>Lopa Shah, BS</td>
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<td>39</td>
<td>Proof of Principle Laser Titration of a Glaucoma Drainage Device</td>
<td>Rohit Varma, MD</td>
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<td>40</td>
<td>Location of Glaucoma Drainage Device Erosion and Relationship to Success of Repair</td>
<td>Michele Lim, MD</td>
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<td>41</td>
<td>intraocular Pressure Spikes After Gonioscopy-assisted Transluminal</td>
<td>Avner Belkin, MD</td>
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<td>Trabeculotomy (Gatt)</td>
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<td>42</td>
<td>A Retrospective, Coarsened-Exact Matched Study Comparing Hydrus</td>
<td>Annabelle Pan, BA</td>
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<td>with Phacoemulsification vs. Trabeculectomy with Phacoemulsification</td>
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<td>43</td>
<td>Three-Year Safety and Efficacy Results of a Suprachiliary Drainage</td>
<td>Marc Toeteberg-Harms, MD,</td>
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<td>Device in Open Angle Glaucoma Patients (Star-Global)</td>
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<td>44</td>
<td>Meta-Analysis of Suprachoroidal vs. Trabecular bypass Surgery as</td>
<td>Syril Dorairaj, MD</td>
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<td>Standalone Treatment in Glaucoma with 24 Months of Follow-Up</td>
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<td>45</td>
<td>Five-Year Safety and Efficacy Results of a Suprachiliary Drainage</td>
<td>Kaweh Mansouri, MD, MPH</td>
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<td>Device in Open Angle Glaucoma Patients (Star-Global)</td>
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**Therapeutics**

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<th>Poster Number</th>
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<tr>
<td>46</td>
<td>Long-Term Efficacy and Safety of Selective Laser Trabeculoplasty</td>
<td>Lorenzo Bosque, MPH, MS</td>
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<td>in Eyes with Prior Laser Peripheral Iridotomy</td>
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<td>47</td>
<td>Assessing the Efficacy of Laser Trabeculoplasty on Trabecular Stents</td>
<td>Jason Dossantos, BS</td>
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<td>in Glaucoma</td>
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<td>48</td>
<td>Standalone Procedure for Administration of Travoprost Intraocular</td>
<td>Steven Sarkisian, MD</td>
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<td>Implant is Safe and Effective in Phakic Eyes</td>
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<td>49</td>
<td>IOP-independent Neuroprotection by Topical Ripasudil Treatment</td>
<td>Ian Pitha, MD, PhD</td>
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<td>in Two Glaucoma Models</td>
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<td>50</td>
<td>Retrospective Comparison of Short-Term and Long-Term IOP Fluctuation</td>
<td>Catherine Johnson, MD, MPH</td>
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<td>in Early Primary Open Angle Glaucoma Patients</td>
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**Diagnostics/AI**

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<th>Poster Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>51</td>
<td>The Association between Ethnicity and Race on Longitudinal Optical</td>
<td>Luiz Beniz, MD</td>
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<tr>
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<td>Coherence Tomography and Standard Automated Perimetry Variability</td>
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<td>in Glaucoma</td>
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<td>52</td>
<td>Visual Field Progression Rate and Laminar Depth in the African Descent</td>
<td>Karla Murillo, BS, BA</td>
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<td>and Glaucoma Evaluation Study (Adages)</td>
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<tr>
<td>53</td>
<td>Retinal Nerve Fiber Layer Optical Texture Analysis Guides 10-2 Visual</td>
<td>Alireza Kamalipour MD, MPH</td>
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<td>Field Assessment in Glaucoma</td>
<td></td>
</tr>
<tr>
<td>54</td>
<td>Practice Patterns on Use of Disposable vs. Reusable Tonometry Tips</td>
<td>Wesam Shamseldin Shalaby, MD</td>
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<tr>
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<td>and Ophthalmic Lenses: A Survey of American Glaucoma Society Members</td>
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