

# Program Schedule

## Virtual Exhibit Hall: Available February 25 – March 7

Meeting times are Pacific Standard Time. Schedule subject to change.

### WEDNESDAY, MARCH 3

TIME	TITLE	SPEAKER
<i>Zoom Webinar</i>		
5:00 PM – 5:30 PM	AGS Active Members – Business Meeting (Virtual Town Hall)	Donald L. Budenz, MD

### THURSDAY, MARCH 4

*Office Hours & On Demand*

7:00 AM – 8:30 AM Virtual Poster Session

*Office Hours & On Demand*

8:30 AM – 12:30 PM Virtual Exhibits Office Hours & Scavenger Hunt

*Live Broadcast*

11:00 AM – 11:30 AM Platinum Supporter SoapBox Session – Santen

*Live Broadcast*

12:30 PM – 12:35 PM Welcome & Announcements

Program Chairs: Pradeep Y. Ramulu, MD, PhD & Michele C. Lim, MD

*On Demand w/ Live Q&A*

12:35 PM – 1:05 PM Top Paper Presentations: Basic Science (Pre-recorded on-demand presentations with scheduled live discussion)

Moderators: Rachel W. Kuchtey, MD, PhD & Derek Stuart Welsbie, MD

	The GLP-1R Agonist NLY01 Reduces Neuroinflammation and Protects Against RGC Loss in a Preclinical Glaucoma Model	Qi N. Cui, MD, PhD
	Proposed Mechanism of Long-term IOP Lowering with the Bimatoprost Implant	W. Daniel Stamer, PhD
	Cell Intrinsic and Microenvironmental Modulators of Human Stem Cell-Derived RGC Survival and Retinal Integration Following Transplantation	Thomas V. Johnson, MD, PhD
	Rho Kinase Inhibition with Fasudil Promotes Stellation in Primary Cultured Optic Nerve Head Astrocytes	Shandiz Tehrani, MD, PhD
	New Glaucoma Biomarker: Sublayer Analysis of Inner Plexiform Layer (IPL) Obtained by Visible-Light OCT	Zeinab Ghassabi

*On Demand w/ Live Q&A*

1:05 PM – 1:35 PM Top Paper Presentations: Imaging (Pre-recorded on-demand presentations with scheduled live discussion)

Moderators: Swarup S. Swaminathan, MD & Grace M. Richter, MD, MPH

	Predicting Glaucoma Development with Longitudinal Deep Learning Predictions from Fundus Photographs	Terry Lee, BA
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TIME	TITLE	SPEAKER
	Ganglion Cell Complex: The Optimal Macular Outcome Measure for Detection of Glaucoma Progression Across the Glaucoma Severity Spectrum	Vahid Mohammadzadeh, MD
	IOP-Induced Strain Measurements in the Lamina Cribrosa by OCT	Michael Saheb Kashaf, BS, MSc
	Pore Moment of Image in Glaucomatous Lamina Cribrosa	Behnam Tayebi, PhD
	Predictive Value of Baseline Visual Field, Disc, and Optical Coherence Tomography Diagnoses on Subsequent Glaucoma Progression	David Huang, MD, PhD
1:35 PM – 1:50 PM	<i>Break</i>	
<i>Live Broadcast</i>		
1:50 PM – 1:55 PM	Presentation of Guest of Honor	Alan L. Robin, MD
<i>Live Broadcast</i>		
1:55 PM – 2:15 PM	Moderated Interview w/ Guest of Honor and Q&A: Paul R. Lichter, MD Q&A Moderator: Alan L. Robin, MD	
<i>Live Broadcast</i>		
2:15 PM – 2:20 PM	Introduction of AGS Lecture	Ronald L. Gross, MD
<i>Live Broadcast</i>		
2:20 PM – 3:00 PM	AGS Lecture: Ocular Hypotensive Medications – The Story Q&A Moderator: Ronald L. Gross, MD	Janet B. Serle, MD
<i>Live Broadcast</i>		
3:00 PM – 4:30 PM	Super Bowl of Grand Rounds Moderators: Jody R. Piltz-Seymour, MD & Dale K. Heuer, MD	

**FRIDAY, MARCH 5***Office Hours & On Demand*

7:00 AM – 8:30 AM Virtual Poster Session

*Office Hours & On Demand*

7:00 AM – 11:00 AM Virtual Exhibit Hall – Office Hours &amp; Scavenger Hunt

*Live Broadcast*

8:30 AM – 9:30 AM Double Diamond Supporter Symposium – Allergan, an AbbVie company

*Interactive Chat Rooms*

9:30 AM – 10:30 AM WinG – Virtual Lounge &amp; Networking

*Live Broadcast*

10:30 AM – 11:00 AM Platinum Supporter SoapBox Session – Aerie Pharmaceuticals

11:00 AM – 11:05 AM *Break*

TIME	TITLE	SPEAKER
<i>Live Broadcast</i>		
11:05 AM – 11:10 AM	Welcome & Announcements Program Chairs: Pradeep Y. Ramulu, MD, PhD & Michele C. Lim, MD	
<i>Live Broadcast</i>		
11:10 AM – 12:10 PM	Top 5 Plenary – Paper Presentations Moderators: Michael V. Boland, MD, PhD & James C. Tsai, MD	
	Deep Learning Reduced Test-to-Test Variability of Visual Field	Mengfei Wu, MS
	Deep Learning for Detection of Glaucoma Progression with Spectral-Domain Optical Coherence Tomography	Eduardo Bicalho Mariotoni, MD
	Anatomical Changes and Predictors of Angle Widening After Laser Peripheral Iridotomy: The Zhongshan Angle Closure Prevention Trial	Benjamin Xu, MD, PhD
	The Effect of Converting from SITA Standard to SITA Faster on Visual Field Performance	Alex Pham, BS
	Ocular Perfusion Pressure and Rates of Glaucoma Progression in a Large Clinical Population	Alessandro A. Jammal, MD
<i>Live Broadcast</i>		
12:10 PM – 12:15 PM	Presentation of the President's Award	Donald L. Budenz, MD, MPH
<i>Live Broadcast</i>		
12:15 PM – 12:30 PM	President's Award Interview Moderator: Donald L. Budenz, MD, MPH	
<i>On Demand w/ Live Q&amp;A</i>		
12:30 PM – 12:50 PM	DC Update Discussion Moderators: Donald L. Budenz, MD & Ronald L. Fellman, MD	Cathy G. Cohen & Tamara Fountain, MD
<i>Live Broadcast Q&amp;A</i>		
12:50 PM – 2:20 PM	Symposium 1: Where to Begin ... Choosing the Right Initial Treatment (Q&A and Discussion) Moderators: Joseph F. Panarelli, MD & Kelly W. Muir, MD	
	Case 1 – Case Presentation: I Would Do Anything to Be Drop Free, but I Won't Do That: Laser or Phaco/MIGS First	Anna Do, MD
	Case 1 – Point	Carla J. Siegfried, MD
	Case 1 – Counterpoint	Thomas W. Samuelson, MD
	Case 1 – Panel Discussion and Audience Poll	Joseph F. Panarelli, MD & Kelly Muir, MD
	Case 2 – Case Presentation: The Notorious PDG – Medical Versus Laser Therapy	Obinna Umunakwe, MD, PhD
	Case 2 – Point	Ahmad A. Aref, MD
	Case 2 – Counterpoint	Richard K. Parrish II, MD

TIME	TITLE	SPEAKER
	Case 2 – Panel Discussion and Audience Poll	Joseph F. Panarelli, MD & Kelly Muir, MD
	Case 3 – Case Presentation: The Battle of the Pseudo-exes – SLT Versus Medical Therapy	Anna Do, MD
	Case 3 – Point	Joel S. Schuman, MD
	Case 3 – Counterpoint	Paula Anne Newman-Casey, MD
	Case 3 – Panel Discussion and Audience Poll	Joseph F. Panarelli, MD & Kelly Muir, MD
	Case 4 – Case Presentation: No Pain, No Gain – Medical Therapy Versus Surgery for Advanced Disease	Obinna Umunakwe, MD, PhD
	Case 4 – Point	Leon W. Herndon Jr., MD
	Case 4 – Counterpoint	Roma P. Patel, MD
	Case 4 – Panel Discussion and Audience Poll	Joseph F. Panarelli, MD & Kelly Muir, MD
	Case 5 – Case Presentation: Which MIGS Do You Dig? Canal Versus Subconjunctival for Moderate Disease	Anna Do, MD
	Case 5 – Point	Hady Saheb, MD, MPH
	Case 5 – Counterpoint	Helen L. Kornmann, MD, PhD
	Case 5 – Panel Discussion and Audience Poll	Joseph F. Panarelli, MD & Kelly Muir, MD
2:20 PM – 2:30 PM	<i>Break</i>	
<i>On Demand w/ Live Q&amp;A</i>		
2:30 PM – 3:00 PM	Symposium 2: Heretical. But True? Moderators: Sonya B. Shah, MD & Anne L. Coleman, MD, PhD	
	(On Demand) Glaucoma Surgical Training – Trabs Not Required?	Constance Okeke, MD, MS
	(On Demand) PACS – No PIs?	Tin Aung, PhD, FRCS
	(Live) Panel Discussion	
	(On Demand) Glaucoma Is Not Only a Pressure-Dependent Optic Nerve Disease	Yvonne Ou, MD
	(On Demand) Early Glaucoma Should Not Be Treated. Period.	Henry D. Jampel, MD, MHS
	(On Demand) Glaucoma Treatment – No Eyedrops!	Janet B. Serle, MD
	(Live) Panel Discussion	
<i>Live Broadcast</i>		
3:00 PM – 4:15 PM	Symposium 3: Imaging of the Optic Nerve Head and Peripapillary Region – An Update Moderators: Kouros Nouri-Mahdavi, MD, MSC & Teresa C. Chen, MD	
	Lamina Cribrosa: What Is Happening in the Deep End?	Claude F. Burgoyne, MD
	Panel Discussion	

TIME	TITLE	SPEAKER
	New Neuroretinal Rim Parameters: Are We Any Better Off Now?	Felipe A. Medeiros, MD, PhD
	Panel Discussion	
	Peripapillary Choroid: Culprit or Innocent Bystander?	Harry A. Quigley, MD
	Panel Discussion	
	Should We Still Be Taking Optic Disc Photographs? Resurrection by Telemedicine and AI	Lama A. Al-Aswad, MD, MPH
	Panel Discussion	
	Point-Counterpoint: OCTA of the ONH and Peripapillary Retina – Highway Mirage or Game Changer?	
	Pro: OCTA – A Paradigm Shift in Glaucoma!	Robert N. Weinreb, MD
	Con: We Have Yet to Learn Something New from OCTA!	Joseph Caprioli, MD
Ancillary Events (Fellowship lounges, Institution happy hours, other events)		

## SATURDAY, MARCH 6

### Live Broadcast

7:00 AM – 7:05 AM Welcome & Announcements

### On Demand w/ Live Q&A

7:05 AM – 7:35 AM Paper Presentations: Patient Care & Miscellaneous  
Moderators: Elizabeth A. Hodapp, MD & Joshua R. Ehrlich, MD, MPH

	Iris Melanoma: Factors Predictive of Post- management Secondary Glaucoma in 271 Cases at a Single Ocular Oncology Center	Aakriti Garg Shukla, MD
	The Heritability of Primary Angle Closure Anatomic Traits and Predictors of Angle Closure in South Indian Siblings	Elizabeth Ciociola, BA
	A Comparison of Glaucoma Referrals by an OCT and Glaucoma Specialist in a Large Community-Based Screening Study	Rithambara Ramachandran, MD
	Cost-Effectiveness of Two Eye Camp Models for the Detection of Posterior Segment Eye Disease in South India	Emily Schehlein, MD
	Demographic, Clinical, and Psychosocial Predictors of Change in Medication Adherence Among Support, Educate, Empower (SEE) Program Participants	David James Miller, MS

### On Demand w/ Live Q&A

7:35 AM – 8:05 AM Symposium 4: Glaucoma Care in the Era of Covid-19 – Is This Remotely Possible?  
Moderators: Michele C. Lim, MD & Regine Pappas, MD

	Promoting a Safe Office Environment	
(On Demand)	Good Hygiene and Other Strategies to Protect Ourselves and Our Patients	Jeffrey M. Liebmann, MD

TIME	TITLE	SPEAKER	
	(On Demand)	Keeping It Safe: How to Measure IOP in the Era of COVID-19	Philip P. Chen, MD
	(On Demand)	Can We Get Back to 100% (Patient Volume)? Patient Volume Considerations, Patient Physical Distancing Strategies in Clinic and in Surgery	Ninita H. Brown, MD, PhD
	Virtual Glaucoma Care		
	(On Demand)	The Return of Marcus Welby, M.D.: Home Visits by Tele-ophthalmology	Yao Liu, MD
	(On Demand)	The Virtual Glaucoma Clinic	Albert S. Khouri, MD
	(On Demand)	Virtual Reality and Remote Visual Fields	Oluwatosin U. Smith, MD
	(Live)	Panel Discussion	
8:05 AM – 8:15 AM	<i>Break</i>		
<i>Live Broadcast</i>			
8:15 AM – 9:45 AM	Symposium 5: How Should I Answer This Patient Question?		
	Moderators: Anjali Bhorade, MD & Husam Ansari, MD, PhD		
	Panelists: Mona A. Kaleem, MD; Anup K. Khatana, MD; David S. Greenfield, MD; Mildred M. G. Olivier, MD & Douglas J. Rhee, MD		
	Question #1: Can Marijuana Help My Glaucoma?	Mona A. Kaleem, MD; Anup K. Khatana, MD & David S. Greenfield, MD	
	Question #2: Can Stem Cell Therapy Help My Glaucoma?	Mildred M. G. Olivier, MD; Douglas J. Rhee, MD & Mona A. Kaleem, MD	
	Question #3: Is My Eye Pressure Related to My Blood Pressure?	Anup K. Khatana, MD; David S. Greenfield, MD & Mildred M. G. Olivier, MD	
	Question #4: What Am I Doing That's Raising My Eye Pressure?	David S. Greenfield, MD; Mildred M. G. Olivier, MD & Douglas J. Rhee, MD	
	Question #5: What Can I Do to Lower My Eye Pressure?	Douglas J. Rhee, MD; Mona A. Kaleem, MD & Anup K. Khatana, MD	
	Audience Q&A		
	Question #6: Can I Do These Activities After Surgery ...?	Douglas J. Rhee, MD; David S. Greenfield, MD & Mildred M. G. Olivier, MD	
	Question #7: Can I Use Steroids?	David S. Greenfield, MD; Mona A. Kaleem, MD & Anup K. Khatana, MD	
	Question #8: Can I Take This Medicine with a Glaucoma Warning?	Anup K. Khatana, MD; Mona A. Kaleem, MD & Douglas J. Rhee, MD	
	Question #9: Why Is Your Pressure Different Than the Technician's?	Mildred M. G. Olivier, MD; Anup K. Khatana, MD & David S. Greenfield, MD	
	Question #10: How Much Vision Have I Lost?	Mona A. Kaleem, MD; Mildred M. G. Olivier, MD & Douglas J. Rhee, MD	
	Audience Q&A		

TIME	TITLE	SPEAKER
<i>Live Broadcast</i>		
9:45 AM – 10:00 AM	Presentation of International Scholar, Outstanding Educator, and Humanitarian Awards	
<i>Live Broadcast</i>		
10:00 AM – 10:05 AM	Introduction of Clinician-Scientist Lecture	Pradeep Y. Ramulu, MD
<i>Live Broadcast</i>		
10:05 AM – 10:45 AM	Clinician-Scientist Lecture: Angle Closure Insights Q&A Moderator: Pradeep Y. Ramulu, MD	David S. Friedman, MD
<i>Interactive Webinars (Members Only, RSVP Required)</i>		
10:45 AM – 11:45 AM	Virtual Roundtable Sessions	
	Useful Apps for Managing Glaucoma Patients	James D. Brandt, MD & Robert T. Chang, MD
	Detecting Progression, In Practice	Gustavo V. De Moraes, MD & Eliesa A. Ing, MD
	Tips on How to Deal with Adversity and Come Out Stronger	Lisa S. Gamell, MD; Monica Y. Alexander, MD & George L. Spaeth, MD
	Strategies to Implementing New Surgical Procedures	Aiyin Chen, MD & Leslie S. Jones, MD
	Trabeculectomy Refresher	Kuldev Singh, MD, MPH & Jeremy K. Jones, MD
	Keeping the Waiting Room Empty	Anna K. Junk, MD & Beth E. Edmunds, MD, PhD
	Low Vision Update	Anurag Shrivastava, MD & Jullia Rosdahl, MD, PhD
	Corneal Hysteresis: Do I Need to Know About It?	Richard K. Lee, MD, PhD & Arthur J. Sit, SM, MD
	Environmental Influences on IOP and Glaucoma	Louis R. Pasquale, MD & Simon K. Law, MD
	Cognitive Impairment in an Ophthalmologist: When Retirement Is Overdue	Gregory L. Skuta, MD & Paul P. Lee MD, JD
	Writing an Attractive AGS Research Grant Proposal – Grab That Grant	Ying Han, MD, PhD & Kathryn E. Bollinger, MD, PhD
<i>Interactive Chat Rooms (Members Only)</i>		
10:45 PM – 12:15 PM	MAPS – Lounge: Hosted Topics	
12:15 PM – 12:30 PM	<i>Break</i>	
<i>Live Broadcast</i>		
12:30 PM – 1:30 PM	Double Diamond Supporter Symposium – Allergan, an AbbVie company	
<i>On Demand w/ Office Hours</i>		
1:30 PM – 3:00 PM	Virtual Poster Session	
<i>Office Hours &amp; On Demand</i>		
1:30 PM – 3:30 PM	Virtual Exhibit Hall	

TIME	TITLE	SPEAKER
<i>Interactive Chat Rooms (Members Only)</i>		
2:00 PM – 3:30 PM	YOGS – Virtual Lounge: Hosted Topics	
Ancillary Events (Fellowship lounges, institution happy hours, other events)		

**SUNDAY, MARCH 7 – SURGERY DAY***On Demand w/ Live Q&A*

7:00 AM – 8:00 AM	Coding Workshop (AGS Members Only)	Sue Vicchilli, COT, OCS, OCSR
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*Live Broadcast*

8:00 AM – 8:05 AM	Welcome & Announcements	
	Surgery Day Chairs: Lucy Q. Shen, MD & Osamah Jawaaid Saeedi, MD	

*Live Broadcast*

8:05 AM – 8:55 AM	Surgery Day Section 1: AGS ASCRS Joint Symposium – Patient with Controlled Glaucoma but Visually Significant Cataract: No Problem!	
	Moderators: Brian A. Francis, MD & Allison Ramsey Soneru, MD	
	No Glasses: Cataract Surgery with Refractive IOL in Glaucoma Patients	John P. Berdahl, MD
	No Medications: Cataract Surgery Combined with MIGS	Davinder S. Grover, MD, MPH
	No Chamber: Cataract Surgery in Patients with Primary Angle Closure Glaucoma	Tak Yee Tania Tai, MD
	No Zonules: Cataract Surgery in Patients with Pseudoexfoliative Glaucoma	Shakeel R. Shareef, MD
	No Pressure: Cataract Surgery in Patients with an Overfiltering Trabeculectomy	Erin Boese, MD
	New Surgical Technology on the Horizon: Yes!	Arsham Sheybani, MD
	Panel Discussion and Q&A	

*Live Broadcast*

8:55 AM – 9:00 AM	Presentation of Innovator Award: Mark A. Latina, MD	Eydie Miller-Ellis, MD
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*Live Broadcast*

9:00 AM – 9:05 AM	Introduction of Surgery Day Lecture	Kelly W. Muir, MD
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*Live Broadcast w/ Q&A*

9:05 AM – 9:45 AM	Glaucoma Surgery Day Lecture: Q&A Moderator: Kelly W. Muir, MD	Brian E. Flowers, MD
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*Break**On Demand w/ Live Q&A*

10:00 AM – 10:30 AM	Surgery Day Section 2: Paper Presentations	
	Moderators: Vikas Chopra, MD & Sarah R. Wellik, MD	
	Hypotony and Hypotony-Associated Complications After Deep Sclerectomy: Incidence and Risk Factors	Alessandro Rabiolo, MD, FEBO



TIME	TITLE	SPEAKER
	Effectiveness of Angle Based Minimally Invasive Glaucoma Surgery After Selective Laser Trabeculoplasty: An Analysis of the IRIS Registry	William G. Mitchell, MBBS, MPH, GDipClinEd
	Trends and Usage Patterns of Minimally Invasive Glaucoma Surgery (MIGS) in the U.S.: IRIS Registry Analysis, 2013-2018	Shuang-An Yang, MD, MPH
	Long-term Safety and Effectiveness of Combined Phacoemulsification and Minimally Invasive Glaucoma Surgery: Five-Year Follow-up from the Randomized Multicenter HORIZON Trial	Iqbal Ahmed, MD
	Cataract Surgery Lowers Intraocular Pressure and Medication Use in the Treatment Group in the Ocular Hypertension Treatment Study (OHTS)	Steven L. Mansberger, MD, MPH
<i>On Demand w/ Live Q&amp;A</i>		
10:30 AM – 11:00 AM	Surgery Day Section 3: Surgery for the Advanced Glaucoma Patient Moderators: Malik Y. Kahook, MD & Omolola Idowu, MD	
	(On Demand) Case Presentation	Omolola Idowu, MD
	(On Demand) Approach 1: Angle Surgery for This Advanced OAG	Syril K. Dorairaj, MD
	(On Demand) Approach 2: Trabeculectomy or Tube for Advanced OAG	Ramesh S. Ayyala, MD
	(On Demand) Approach 3: Other Surgeries for This Advanced OAG	Nathan M. Radcliffe, MD
	(Live) Discussion	
	(On Demand) Surgery in the Advanced Uveitic Glaucoma Patient	Keith Barton, MD, FRCP, FRCS
	(On Demand) Surgery in the Advanced Angle Closure Glaucoma Patient	Sarah Haseltine Van Tassel, MD
	(Live) Discussion	
11:00 AM – 11:15 AM	<i>Break</i>	
<i>Live Broadcast</i>		
11:15 AM – 12:10 PM	Surgery Day Section 4: Successful Glaucoma Surgery but Unhappy Patient – How to Manage Long-term Complications Moderators: Osamah Jawaid Saeedi, MD & Gail F. Schwartz, MD	
	Hypotony: 20/20 with Variable Vision	Sahar Bedrood, MD, PhD
	Bleb Dysesthesia	Elyse J. McGlumphy, MD
	Post-Trabeculectomy Refractive Issues (ie, High Astigmatism)	Ian Patrick Conner, MD, PhD
	Double Trouble: The Who, What, When, Why of Diplopia After GDD	Cheryl Lyn Khanna, MD
	Corneal Decompensation Related to Tube Surgery	Sarwat Salim, MD
	Discussion	

TIME	TITLE	SPEAKER
<i>Live Broadcast</i>		
12:10 PM – 1:10 PM	Surgery Day Section 5: No Detail Is Too Small – Tips for Top Performance Moderators: Arvind Neelakantan, MD & Lucy Q. Shen, MD	
	Slicing, Dicing, and Cannulating Through the Canal: MIGS Utopia	Iqbal Ike K. Ahmed, MD
	Tips for Trabeculectomy	Reza Razeghinejad, MD
	Tips for Tube Surgery	Steven J. Gedde, MD
	Panel Discussion 1 and Q&A	
	Tips for Subconjunctival MIGS	Marlene R. Moster, MD
	Tips for Pediatric Glaucoma Surgery	Sharon Freedman, MD
	Tips for Teaching Glaucoma Surgery and Preventing Complications	Pratap Challa, MD
	Panel Discussion 2 and Q&A	
<i>Live Broadcast</i>		
1:10 PM – 1:13 PM	Closing Remarks and Thank You Program Chairs	
Ancillary Events (Fellowship lounges, institution happy hours, other events)		

### Honoree and Lecturer Interviews

#### *On Demand*

0:20 Taped Interview with Honorees and Lecturers – Innovator Award

#### *On Demand*

0:20 Taped Interview with Honorees and Lecturers – International Scholar Award

#### *On Demand*

0:20 Taped Interview with Honorees and Lecturers – Outstanding Educator Award

#### *On Demand*

0:20 Taped Interview with Honorees and Lecturers – Humanitarian Award

### Surgical Video Session

#### *On Demand*

Olympics of Surgical Videos

Introduction & Award Presentation: Robert M. Schertzer, MD, MEd, FRCS

### Peace of Mind Sessions

Yoga & Meditation On Demand

### Patient Reporting Outcome for MIGS

#### *On Demand*

0:15 Pre-recorded Presentation: George L. Spaeth, MD & Malvina B. Eydelman, MD (FDA)