



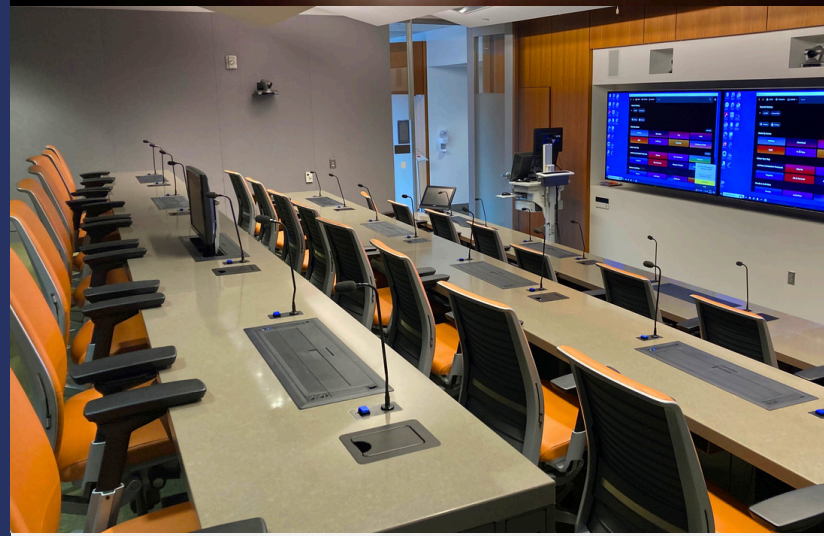
American Society of  
Ophthalmic Trauma

Annual Meeting

# EYE TRAUMA 2024

MAY 17-18, 2024  
Houston, TX, USA

HOUSTON  
**Methodist**  
LEADING MEDICINE





Dear Eye Trauma 2024 Attendees:

Greetings!

On behalf of the American Society of Ophthalmic Trauma (ASOT), we warmly welcome you to "Eye Trauma 2024", ASOT's 4th Annual Meeting.

The conference brings together ophthalmologists from Eastern and Western Europe, Central and South America, India, Asia, and across the USA to innovate and learn. As the only US civilian conference dedicated solely to ophthalmic trauma, we will discuss big questions & challenges in our field.

The conference will address:

- Evidence-based management with perspectives from the military, academia, private practices, and NASA.
- Fresh approaches to triage and consultation, including telemedicine, AI, hospitalist models, and integration of eye care into wider trauma and disaster response systems.
- Cutting-edge publications, research design, and funding sources.
- New devices and strategies to bring products to market.
- Advocacy to reduce trauma through information from databases and epidemiology.
- Ethical and legal considerations in trauma care.

You will make connections with dedicated people in all subspecialties, earn 6.25 hours of CME, and be eligible for a 3% discount on TMLT insurance!

The schedule and meeting information are available within this program book, as well as on the website under <https://theasot.com/asot-2024/>

After the Friday wet lab, the conference kicks off with a Tex-Mex Welcome "Real World Cases" Dinner! Sign up for Saturday's fascinating Breakfast Roundtables, then immerse yourself in rapid-fire, high impact talks and explore the outstanding scientific posters and the latest in technology at the exhibits.

Saturday night, celebrate at Ill by Wolfgang Puck with delicious food and cocktails at the Awards presentation!

Our hope is to make this meeting as meaningful as possible for everyone and develop ideas that will impact care.

Sincerely,

Amy Coburn, MD  
ASOT Program Chair

Planning Committee:

Grayson Armstrong, MD; Boonkit Purt, MD; Ankoor Shah, MD  
Fasika Woreta, MD; Nicholas Scoville, MD; Grant Justin, MD; Sruti Rachapudi, BS, MBA



AMY COBURN, MD  
PROGRAM CHAIR

AMERICAN SOCIETY OF EYE PHYSICIANS AND SURGEONS DAMAGE CONTROL  
OPHTHALMIC TRAUMA IN-PERSON WET LAB

Damage control ophthalmology references a basic set of principles that all ophthalmologists should master to stabilize an injured eye. The goal of this 7-hour course is to provide the learner with tools to improve patient outcomes after ocular and adnexal injuries.

The learner will leave understanding the arc of diagnosis, medical management, microsurgical stabilization, and reconstruction/rehabilitation of the injured eye and gain the knowledge and surgical skills to confidently initiate damage control procedures.

**Lab Capacity:** 32 residents | fellows | practicing ophthalmologists

**Lab Planning Committee:**  
Amy Coburn, MD | Boonkit Purt, MD | Grayson Armstrong, MD

**Lab Faculty:**  
Rupesh Agrawal, MD(Res) (UCL), MMed (Singapore), FRCS(Glasgow), FAMS, DNB, DO  
Masih Ahmed, MD | Nagham Al-Zubidi, MD | Ore-ofe O. Adesina, MD  
Grayson Armstrong, MD, MPH | Barton Blackorby, MD | Richard Blanch, MD  
Isaac Bleicher, MD | Imtiaz Chaudry, MD | Yewlin Chee, MD | Amy Coburn, MD  
Garvin Davis, MD | Osama Al-Deyabet, MD | Jose Dalma Weiszhausz, MD | Tara Hahn, MD  
Grant Justin, MD | Robb Mazzoli, MD | Aaron Miller, MD | Peter Mortenson, MD  
Boonkit Purt, MD | Joanna Queen, MD | Oded Sagiv, MD | Nicholas Max Scoville, MD  
Ankoor Shah, MD, PhD | Charles Soparker, MD | Marguerite Weinert, MD | Fasika Woreta, MD, MPH

10:00 AM-12:55 PM:	Faculty Registration Registration, orientation, and change into scrubs	MITIE Lab 5th floor Research Institute
10:00 AM-10:55 AM:	Participant Registration Registration, and change into scrubs	
11:00 AM-11:30 AM:	Lunch & Introduction with Surgical Principles Boonkit Purt, MD, USUHS/University of Michigan, ASOT Secretary	Board Room 2nd Floor Research Institute
11:30 AM-12:30 PM:	Ocular Trauma Surgical Didactic Session Barton Blackorby, MD, USUHS/The Retina Institute	
12:30 PM-06:05 PM:	Hands-On Wet Lab (only open to lab registrants)	MITIE Lab 5th floor Research Institute
05:30 PM-07:00 PM:	Evening Registration for Dinner/Annual Meeting	
07:00 PM-08:45 PM:	Dinner & Controversial Cases: 'Real World' Management of Challenging Clinical Scenarios  open to all Eye Trauma 2024 attendees.  See next page for session details.	Rio Grande Conference Room Dunn Building D1-059

- **Moderators**

- Grayson W Armstrong, MD, Massachusetts Eye & Ear, Harvard Medical School, ASOT Industry Relations Chair
- Barton Blackorby, MD, USUHS, The Retina Institute
- Amy Coburn, MD, Blanton Eye Institute, Houston Methodist Hospital/Weill Cornell Medical College, ASOT Program Chair
- Grant Justin, MD, USUHS, ASOT President
- Boonkit Purt, MD, USUHS, University of Michigan, ASOT Secretary
- Nicholas Max Scoville, MD, Ohio State University, Wexner Medical Center, ASOT IT Chair
- Ankooor Shah, MD, PhD Boston Children's Hospital, ASOT Treasurer
- Fasika Woreta, MD, MPH Wilmer Eye Institute, The Johns Hopkins University, ASOT Immediate Past President

- **Massive Orbital Abscess After an Orbital Wall Fracture**

Darren Chen, MD, Massachusetts Eye and Ear, Harvard Medical School

- **Traumatic Orbital Apex Syndrome: How to Manage?**

Sen (Andrew) Yang, MD, Oregon Health & Science University Casey Eye Institute

- **Identifying and Reattaching the Levator Tendon After Trauma**

Fernando Martinez Guasch, BS, University of Maryland School of Medicine

- **Saved By the Button – Dehiscent PKP with Uveal Prolapse**

Cameron Yang, MD, The Ohio State University Wexner Medical Center  
Department of Ophthalmology and Visual Sciences

- **A Machete Blow Injury to the Forehead Causes a Chorioretinitis Sclopetaria**

Jose Romero MD, Unidad Nacional De Oftalmologia, Guatemala

- **Man vs. Machine: A Case of Penetrating Ocular Trauma with a Traumatic Cataract**

Lauren Kiryakoza MD, University of Miami/Bascom Palmer Eye Institute

- **The Sequelae of a Paintball Injury Causing a Self-Sealing Full-Thickness Corneal Rupture**

Patricia Bai, MD, University of Illinois Chicago, Illinois Eye and Ear Institute



TIME	SESSIONS & SPEAKERS	LOCATION
6:45 AM - 7:45 AM	<div>SATURAY BADGE PICK UP BEGINS</div> <div><ul style="list-style-type: none"><li>Registration moves to the Research Institute at 7:45 AM</li></ul></div>	FRIO D1-063 AND COMAL D1-064 DUNN BUILDING
7:00 AM - 8:00 AM	<div>BREAKFAST</div>	FRIO D1-063 AND COMAL D1-064 DUNN BUILDING
7:15 AM - 8:00 AM	<div>BREAKFAST ROUND TABLES WITH EXPERTS (ONLY OPEN TO THOSE WHO REGISTERED FOR ROUND TABLES)</div>	RIO GRANDE CONFERENCE ROOM DUNN BUILDING D1-059
BREAKFAST ROUND TABLE DETAILS		
7:15 AM - 8:00 AM	<div>1. Incorporating Eye Care Into National Disaster Response Planning Systems</div> <div><ul style="list-style-type: none"><li>James Auran, MD, Columbia University, ASOT Executive Vice President, Robert A. Mazzoli, MD, FACS, Ret COL, US Army Dale Fajardo EdD, MBA, VP Education, AAO</li></ul></div>	RIO GRANDE CONFERENCE ROOM DUNN BUILDING D1-059
	<div>2. Establishing a Trauma/Open Globe Injury Repair Curriculum + Tips and Tricks for Staffing (and doing!) Residents' First Open Globe Repair</div> <div><ul style="list-style-type: none"><li>Andrew Pansick, MD, Parkland UT Dallas; Mamta Agarwal MD, FRCSEd, FRCOphth, FACS, UT Health San Antonio</li></ul></div>	
7:15 AM - 8:00 AM	<div>3. Obtaining Department of Defense Funding for Trauma Research</div> <div><ul style="list-style-type: none"><li>Tian Wang, PhD, Health Science Program Manager, Congressionally Directed Medical Research Programs; Dan Ignaszewski, Executive Director, National Alliance for Eye and Vision Research (NAEVR)</li></ul></div>	RIO GRANDE CONFERENCE ROOM DUNN BUILDING D1-059
	<div>4. Databases and Strategies for Publishing your Trauma Research</div> <div><ul style="list-style-type: none"><li>Fasika Woreta, MD, MPH, Wilmer Eye Institute, Johns Hopkins University, ASOT Immediate Past President, Rupesh Agrawal, MD,MD(Res) (UCL), MMed (Singapore), FRCS(Glasgow), FAMS, DNB, DO, National Healthcare Group Eye Institute at Tan Tock Seng Hospital</li></ul></div>	
7:15 AM - 8:00 AM	<div>5. Handling Consults: See it, Punt it, or Something In Between + Ophthalmic Hospitalist Model</div> <div><ul style="list-style-type: none"><li>Nicholas Max Scoville, MD, Ohio State University, Wexner Medical Center, ASOT IT Chair, Shu Feng, MD, University of Washington, Ophthalmic Hospitalist Group</li></ul></div>	RIO GRANDE CONFERENCE ROOM DUNN BUILDING D1-059
	<div>6. Telemedicine for Trauma Consultation and Triage</div> <div><ul style="list-style-type: none"><li>Grayson W Armstrong, MD MPH, Massachusetts Eye &amp; Ear, Harvard Medical School, ASOT Industry Relations Chair; Ankoor Shah, MD, PhD, Boston Children's Hospital, ASOT Treasurer; Gary Legault, MD, Director, Virtual Medical Center, US Dept of Defense</li></ul></div>	
7:15 AM - 8:00 AM	<div>7. Military Ophthalmic Trauma Care: Lessons for the Civilian Population</div> <div><ul style="list-style-type: none"><li>William Madigan, MD, FAcS., FAAP, Chief of Division of Ophthalmology at Children's National Hospital; Brittany Powell, CDR, MC, USN, Walter Reed Medical Center</li></ul></div>	RIO GRANDE CONFERENCE ROOM DUNN BUILDING D1-059
	<div>8. International Collaborations in Ophthalmic Trauma Research and Programs</div> <div><ul style="list-style-type: none"><li>Natarajan Sundaram, MD, President, Asia-Pacific Ophthalmic Trauma Society; Grant Justin, USUHS, ASOT President; Jose Dalma-Weiszhausz, MD, Founder of the Asociación Panamericana de Trauma Oftalmico; Carlos Andres Wong Morales, MD, President of the Asociación Panamericana de Trauma Oftalmico</li></ul></div>	
7:15 AM - 8:00 AM	<div>9. Developing Commercial Products for Ocular Trauma/Getting it to Market</div> <div><ul style="list-style-type: none"><li>Eugene de Juan, MD (UCSF Jean Kelly Stock Distinguished Professor of Ophthalmology)</li></ul></div>	RIO GRANDE CONFERENCE ROOM DUNN BUILDING D1-059

7:15 AM - 8:00 AM	<p><b>10. Stabilizing Ophthalmic Injuries During War and Visual Rehabilitation After War</b></p> <ul style="list-style-type: none"> <li>Major Thomas Zampieri, PhD, PA, Founder of Blinded Veterans, Nagham Al-Zubidi, MD Anderson Cancer Center, Touka Banaee, MD, University of Texas Medical Branch at Galveston, Richard Blanch, PhD, FRCOphth, UK Armed Forces</li> </ul> <p><b>11. Law and Ethics: Consent, Competency, Risk and Liability in Ocular Trauma Care</b></p> <ul style="list-style-type: none"> <li>Dan Ballard, JD, BA, Ballard &amp; Simmons, LLP</li> </ul>	<p><b>RIO GRANDE CONFERENCE ROOM DUNN BUILDING D1-059</b></p>
8:00 AM - 5:00 PM	<b>SATURDAY BADGE PICK UP CONTINUES UNTIL 5:00 PM</b>	<b>2ND FLOOR LOBBY RESEARCH INSTITUTE</b>
8:15 AM - 8:17 AM	<p><b>WELCOME TO HOUSTON &amp; INTRODUCTION OF ASOT PRESIDENT, DR. GRANT JUSTIN</b></p> <ul style="list-style-type: none"> <li>Amy Coburn, MD, Blanton Eye Institute, Houston Methodist Hospital, Weill Cornell Medical College, ASOT Program Chair</li> </ul>	<b>AUDITORIUM RESEARCH INSTITUTE</b>
8:18 AM - 8:21 AM	<p><b>OPENING REMARKS</b></p> <ul style="list-style-type: none"> <li>Grant Justin, MD, Uniformed Services University of the Health Sciences, ASOT President</li> </ul>	<b>AUDITORIUM RESEARCH INSTITUTE</b>
<b>KEYNOTE SESSION   5 MINUTE Q+A</b>		
8:22 AM - 8:44 AM	<p><b>IT'S TIME FOR A FRESH LOOK AT THE MANAGEMENT OF PENETRATING INJURIES</b></p> <ul style="list-style-type: none"> <li>Eugene De Juan, MD, UCSF Jean Kelly Stock Distinguished Professor of Ophthalmology</li> <li>Introduced by: Fasika Woreta, MD, MPH, Immediate Past President, ASOT; Wilmer Eye Institute, The Johns Hopkins University</li> </ul>	<b>AUDITORIUM RESEARCH INSTITUTE</b>
<b>PAPER SESSION   NOVEL OCULAR TRAUMA RESEARCH   3 MINUTE Q+A BETWEEN SESSIONS</b>		
8:47 AM - 9:50 AM	<p><b>FINITE ELEMENT ANALYSIS OF MECHANICAL OCULAR SEQUELAE FROM BADMINTON SHUTTLECOCK PROJECTILE IMPACT</b></p> <ul style="list-style-type: none"> <li>John Hong, BS, University of California Irvine Gavin Herbert Eye Institute</li> </ul> <p><b>VALUE OF IMPROVED PROTECTIVE EYEWEAR COMPLIANCE IN COMBAT</b></p> <ul style="list-style-type: none"> <li>Juan Carlos, Martinez-Camarillo, MD, USC Roski Eye Institute</li> </ul> <p><b>TRAUMATIC OPTIC NEUROPATHY– CRANIOFACIAL FRACTURE PATTERNS AND MANAGEMENT LENS</b></p> <ul style="list-style-type: none"> <li>Nawal Shams, BS, University of Maryland School of Medicine</li> </ul> <p><b>LENS MANAGEMENT DURING THE SURGICAL REMOVAL OF METALLIC INTRAOCULAR FOREIGN BODIES</b></p> <ul style="list-style-type: none"> <li>Sandra R Montezuma, MD, University of Minnesota</li> </ul> <p><b>ZONE I INJURY OBSERVATIONS: IGATES REGISTRY'S NOVEL CORNEAL INJURY CLASSIFICATION FOR PROGNOSTIC IMPACT</b></p> <ul style="list-style-type: none"> <li>Renee Liu, BS, Massachusetts Eye &amp; Ear, Harvard Medical School</li> </ul> <p><b>THE ASSOCIATION BETWEEN COMPUTERIZED TOMOGRAPHY FINDINGS &amp; OCULAR TRAUMA SCORE IN OPEN GLOBE INJURY: THE PROGNOSTIC VALUE OF IMAGING</b></p> <ul style="list-style-type: none"> <li>Zahra Markatia, MD, Baylor College of Medicine</li> </ul> <p><b>UTILITY OF CHATGPT RESPONSES IN TRIAGING EMERGENT AND NON-EMERGENT OPHTHALMIC CONDITIONS</b></p> <ul style="list-style-type: none"> <li>Rupesh Agrawal, MD,MD(Res) (UCL), MMed (Singapore), FRCS(Glasgow), FAMS, DNB, DO, National Healthcare Group Eye Institute at Tan Tock Seng Hospital</li> </ul>	<b>AUDITORIUM RESEARCH INSTITUTE</b>



POSTER SESSION + INDUSTRY EXHIBITS		
9:52 AM - 10:32 AM	BE ON THE LOOKOUT FOR A BINGO CARD TO USE WITH INDUSTRY EXHIBITS!	2ND FLOOR LOBBY RESEARCH INSTITUTE
ASOCIACIÓN PANAMERICANA DE TRAUMA OCULAR (APTO) SYMPOSIUM   5 MIN Q+A EACH		
10:37 AM - 11:07 AM	ADVANCED APPROACH TO OPEN GLOBE REPAIR <ul style="list-style-type: none"><li>Jose Dalma-Weiszhausz, MD, Founder of the Asociación Panamericana de Trauma Ocular</li></ul> HIGH TECH IOLS IN TRAUMATIC CATARACTS <ul style="list-style-type: none"><li>Carlos Andres Wong Morales, MD, President of the Asociación Panamericana de Trauma Oftalmico</li></ul>	AUDITORIUM RESEARCH INSTITUTE
ASIA PACIFIC OPHTHALMIC TRAUMA SOCIETY (APOTS) SYMPOSIUM   5 MIN Q+A EACH		
11:10 AM - 11:40 AM	VITRECTOMY FOR INTRAOCULAR FOREIGN BODIES <ul style="list-style-type: none"><li>Natarajan Sundaram, MD, President of the Asian Pacific Ophthalmic Trauma Society</li></ul> TIMING AND TECHNIQUES OF TRAUMATIC RETINAL DETACHMENT REPAIR <ul style="list-style-type: none"><li>Brittany Powell, CDR, MC, USN, Walter Reed Medical Center</li></ul>	AUDITORIUM RESEARCH INSTITUTE
HIGHLIGHTS IN OPHTHALMIC TRAUMA LITERATURE - 2023   3 MINUTE Q+A BETWEEN SESSIONS		
11:43 AM - 11:50 AM	THE RISK OF SYMPATHETIC OPHTHALMIA ASSOCIATED WITH OPEN GLOBE INJURY MANAGEMENT STRATEGIES: A META-ANALYSIS; OPHTHALMOLOGY <ul style="list-style-type: none"><li>Lt Col Richard Blanch, PhD, FRCOphth, UK Armed Forces</li></ul>	AUDITORIUM RESEARCH INSTITUTE
11:54 AM - 12:01 PM	DISABILITY-ADJUSTED LIFE YEARS RESULTING FROM OCULAR INJURY AMONG DEPLOYED SERVICE MEMBERS; OPHTHALMOLOGY <ul style="list-style-type: none"><li>Amanda Staudt, PhD, Geneva Foundation</li></ul>	
12:05 PM - 12:12 PM	THE OCULAR TRAUMA SCORE UNDERESTIMATES VISUAL RECOVERY FOR THE MOST SEVERE OPEN-GLOBE INJURIES; OPHTHALMOLOGY RETINA <ul style="list-style-type: none"><li>Eli A Perez, MD, University of Iowa</li></ul>	
NASA SYMPOSIUM   5 MINUTE Q+A		
12:16 PM - 12:36 PM	RADIATION, LASERS, TELEMEDICINE AND EYE CARE IN SPACE <ul style="list-style-type: none"><li>COL Keith Manuel, OD, Senior Vision Consultant to NASA's Johnson Space Center Flight Medicine Clinic &amp; Jeffrey A. Jones, MD, FACS, FACPM, FAsMA Professor Baylor College of Medicine, Center for Space Medicine Captain (ret) US Naval Flight Surgeon and former NASA Flight Surgeon</li></ul>	AUDITORIUM RESEARCH INSTITUTE
GRAB-N-GO LUNCH + POSTERS + EXHIBITS + SPOTLIGHT TALKS		
12:38 PM - 01:28 PM	BE ON THE LOOKOUT FOR A BINGO CARD TO USE WITH INDUSTRY EXHIBITS!	2ND FLOOR LOBBY RESEARCH INSTITUTE
MANAGEMENT OF POST-TRAUMATIC UVEAL INJURY & GLAUCOMA   3 MINUTE Q+A EACH		
01:38 PM - 01:44 PM	GLAUCOMA IN THE TRAUMATIZED EYE <ul style="list-style-type: none"><li>Roma P Patel, MD, MBA, Baylor College of Medicine, Ophthalmology Service Chief, Ben Taub Hospital</li></ul>	AUDITORIUM RESEARCH INSTITUTE
01:47 PM - 02:00 PM	IRIS RECONSTRUCTION <ul style="list-style-type: none"><li>Marshall Bowes Hamill, MD, Baylor College of Medicine</li></ul>	
PAPER SESSION: DATA TO DRIVE ADVOCACY: THE EPIDEMIOLOGY OF EYE TRAUMA   3 MIN Q+A EACH		
02:02 PM - 03:06 PM	PEDIATRIC OCULAR INJURY: TRENDS, SEASONALITY, AND BURDEN FROM A LARGE DATASET AT A QUATERNARY-CARE HOSPITAL <ul style="list-style-type: none"><li>Blanche Kuo, MD, University Hospitals, Cleveland</li></ul>	AUDITORIUM RESEARCH INSTITUTE

02:02 PM - 03:06 PM	<b>PEDIATRIC TOY-ASSOCIATED OCULAR INJURIES PRESENTING TO UNITED STATES EMERGENCY DEPARTMENTS“</b> <ul style="list-style-type: none"> <li>Helia Ashourizadeh, MD, Massachusetts Eye &amp; Ear, Harvard Medical School</li> </ul>	AUDITORIUM RESEARCH INSTITUTE
	<b>ETIOLOGY AND DEMOGRAPHIC FACTORS ASSOCIATED WITH PEDIATRIC OPEN GLOBE INJURIES IN THE UNITED STATES: A MULTI CENTER STUDY</b> <ul style="list-style-type: none"> <li>Shruti Anant BA, Wilmer Eye Institute, The Johns Hopkins University</li> </ul>	
	<b>OPHTHALMIC PROFILE OF INCARCERATED PATIENTS AT AN ACADEMIC CENTER</b> <ul style="list-style-type: none"> <li>Taylor Kolosky, BS, University of Maryland</li> </ul>	
	<b>INCREASING INCIDENCE OF SPORTS-RELATED RETINAL TEARS AND DETACHMENTS IN UNITED STATES EMERGENCY DEPARTMENTS FROM 2003 TO 2022: A MULTI-CENTER CROSS-SECTIONAL STUDY</b> <ul style="list-style-type: none"> <li>Edward Lu, MD, Massachusetts Eye and Ear, Harvard Medical School</li> </ul>	
	<b>ACCURACY OF TRAUMA RELATED DIAGNOSES FROM TRANSFERRING HOSPITALS TO A LEVEL 1 TRAUMA CENTER GUNSHOT WOUNDS TO THE ORBIT</b> <ul style="list-style-type: none"> <li>Hopkin Blake, BS, University of Washington School of Medicine</li> </ul>	
	<b>GUNSHOT WOUNDS TO THE ORBIT</b> <ul style="list-style-type: none"> <li>Jennifer K Dunnigan, BS, McGovern Medical School at the University of Texas, Houston</li> </ul>	
POSTER SESSION + INDUSTRY EXHIBITS + ICE CREAM SOCIAL		
03:08 PM - 03:38 PM	BE ON THE LOOKOUT FOR A BINGO CARD TO USE WITH INDUSTRY EXHIBITS!	2ND FLOOR LOBBY RESEARCH INSTITUTE
LA PIANA-MAZZOLI LAUREATE LECTURE   3 MINUTE Q+A		
03:43 PM - 03:56 PM	<b>PEDIATRIC OPHTHALMIC TRAUMA</b> <ul style="list-style-type: none"> <li>William Madigan, MD, FACs., FAAP, Chief of Division of Ophthalmology at Children's National Hospital</li> <li>Introduced by: Robert Mazzoli, MD, FACs, Ret COL, US Army</li> </ul>	AUDITORIUM RESEARCH INSTITUTE
KEYNOTE SESSION   5 MINUTE Q+A		
03:58 PM - 04:11 PM	<b>ETIOLOGY AND MANAGEMENT OF STRABISMUS FOLLOWING TRAUMA</b> <ul style="list-style-type: none"> <li>Jane C. Edmond, MD, President of the American Academy of Ophthalmology, Chair of Ophthalmology at Dell Medical School</li> <li>Introduced by: Amy Coburn, MD, Blanton Eye Institute, Houston Methodist, Weill Cornell Medical College, ASOT Program Chair</li> </ul>	AUDITORIUM RESEARCH INSTITUTE
KUHN LAUREATE LECTURE   3 MINUTE Q+A		
04:13 PM - 04:26 PM	<b>SHAPING THE FUTURE OF OPHTHALMIC TRAUMA CARE: PAST LESSONS, FUTURE DIRECTIONS</b> <ul style="list-style-type: none"> <li>Rupesh Agrawal, MD,MD(Res) (UCL), MMed (Singapore), FRCS(Glasgow), FAMS, DNB, DO, National Healthcare Group Eye Institute at Tan Tock Seng Hospital</li> <li>Introduced by: Ferenc Kuhn, MD (Father of Ocular Trauma)</li> </ul>	AUDITORIUM RESEARCH INSTITUTE
OCULAR AND ADNEXAL CHEMICAL AND THERMAL INJURIES		
04:31 PM - 04:40 PM	<b>ALLOGENIC REPAIR OF SEVERE CORNEAL BURN</b> <ul style="list-style-type: none"> <li>Arne Viestenz, MD, President of International Society of Ocular Trauma, Chair, University Hospital Halle (Saale), Germany</li> </ul>	AUDITORIUM RESEARCH INSTITUTE



CONTROVERSIAL CASES: “HOW WOULD YOU APPROACH THIS CASE?”		
04:43 PM - 05:37 PM	<p><b>TRAUMATIC SUPERIOR ORBITAL FISSURE SYNDROME</b></p> <ul style="list-style-type: none"> <li>Alexis Kassotis, MD, Edward Harkness Eye Center (author)</li> <li>James Auran, MD, Columbia University Department of Ophthalmology (presenting)</li> </ul> <p><b>MANAGEMENT OF LASIK FLAP DISLOCATION DURING OPEN GLOBE INJURY</b></p> <ul style="list-style-type: none"> <li>Flavius, Beca, MD, Bascom Palmer Eye Institute</li> </ul> <p><b>ON EDGE - WHAT TO DO WHEN AN IOFB LANDS IN THE MACULA?</b></p> <ul style="list-style-type: none"> <li>Lucy Li, MD, New York Medical College</li> </ul> <p><b>ARTIFICIAL IRIS AND INTRAOCULAR LENS COMPLEX SCLERAL FIXATION VIA YAMANE TECHNIQUE IN TRAUMATIC ANIRIDIA AND APHAKIA</b></p> <ul style="list-style-type: none"> <li>Perna, Das, MD, University of Texas Health Science Center at San Antonio Long School of Medicine</li> </ul> <p><b>A PEDIATRIC TRAUMA SURPRISE</b></p> <ul style="list-style-type: none"> <li>Sandra R Montezuma, MD, University of Minnesota</li> </ul> <p><b>SUPERIOR OPHTHALMIC VEIN CANNULATION FOR TREATMENT OF TRAUMATIC CAROTID-CAVERNOUS SINUS FISTULAS</b></p> <ul style="list-style-type: none"> <li>Sruti, Rachapudi, BS/MBA, The University of Texas Medical Branch, Galveston, ASOT Student Member Representative</li> </ul> <p><b>DISCUSSANTS:</b></p> <ul style="list-style-type: none"> <li>Grayson W. Armstrong, MD, MPH, Massachusetts Eye &amp; Ear, Harvard Medical School, ASOT Industry Relations Chair</li> <li>Masih Uddin Ahmed, MD, Baylor College of Medicine</li> <li>Emanuel Chang, MD, Retina and Vitreous of Texas</li> <li>Amy Coburn, MD, Blanton Eye Institute, Houston Methodist Hospital, Weill Cornell Medical College, ASOT Program Chair</li> <li>Grant Justin, MD, USUHS, ASOT President</li> <li>Boonkit Purt, MD USUHS; University of Michigan, ASOT Secretary</li> <li>Max Scoville, MD The Ohio State College of Medicine, Wexner Medical Center, ASOT IT Chair</li> <li>Misha Syed, MD, MEHP, Chair, Prevent Blindness Texas, University of Texas Medical Branch at Galveston</li> <li>Ankoor Shah, MD, PhD Boston Children's Hospital, ASOT Treasurer</li> <li>Fasika Woreta, MD, MPH, ASOT Immediate Past President; Wilmer Eye Institute, The Johns Hopkins University</li> </ul>	AUDITORIUM RESEARCH INSTITUTE
05:37 PM - 05:45 PM	<p><b>CLOSING REMARKS</b></p> <ul style="list-style-type: none"> <li>Grant Justin, MD, USUHS, ASOT President</li> </ul>	
COCKTAIL RECEPTION & BEST PAPER AWARDS		
06:00 PM - 10:00 PM	<p><b>JOIN US FOR OUR COCKTAIL RECEPTION &amp; THE BEST PAPER AWARDS!</b></p>	<p>III BY WOLFGANG PUCK 6550 BERTNER AVE., 6TH FLOOR HOUSTON, TX 77030</p>

## Station 1: Eyelid and Adnexal Trauma

### *o Educational Objectives:*

1. Gain knowledge and experience taking a history of eye injuries involving the eyelids, lacrimal system, and bony orbit.
2. Evaluate and repair marginal eyelid lacerations, treat orbital compartment syndrome, and canalicular lacerations.
3. Discuss the indications for and perform an enucleation.
4. Discuss indications and timing for orbital fracture repair.

### *o Learning Objectives:*

1. Exploration to identify structures; debridement; full-thickness lid marginal laceration repair; reapproximating tarsal plate; reapproximating levator to tarsus; eyelid septal defects; brief teaching of canalicular exploration and repair; tarsorrhaphy; lateral canthotomy/cantholysis for orbital compartment syndrome; enucleation
2. Emphasis on anatomic structures; closure in layers; ideal wound construction

## Station 2: Corneoscleral Open Globe Repair

### *o Educational Objectives:*

1. Gain knowledge and experience taking a history of and managing repair of eye injuries involving the cornea, limbus and sclera
2. Become competent at repair of an open-globe injury and understand common complications of open-globe injury.
3. Manage/repair corneal lacerations, limbal and scleral lacerations, hyphema, and endophthalmitis

### *o Learning Objectives:*

1. Suture simple and complex corneal, limbal, scleral lacerations; peritomy with relaxing incision; muscle isolation and repair; manage uveal prolapse; vitreous prolapse; irrigate liquid hyphema; tap/culture/inject; glue; discuss timing of potential vitrectomy, removal of intraocular foreign bodies



## Station 3: Traumatic Cataract

### *o Educational Objectives:*

1. Gain knowledge and experience taking a history of eye injuries involving complex crystalline lens trauma scenarios with emphasis on capsular integrity, zonular stability, vitreous prolapse and iris injury.
2. Gain proficiency in understanding and practicing lensectomy and be introduced to various intraocular lens implantation techniques in a traumatized eye

### *o Learning Objectives:*

1. Lensectomy; anterior vitrectomy; paracentesis; trypan blue and triamcinolone staining; removal of clotted hyphema; managing iris prolapse; faculty introduction to capsular tension ring; capsular ring segments and intraocular lens.

## Station 4: Diagnostics & Surgical Equipment

### *o Educational Objectives:*

1. Gain knowledge in utilization of diagnostic equipment to assess and pre-operatively manage ocular trauma
2. Become familiar with using surgical equipment to plan and execute proper ocular trauma repair

### *o Learning Objectives:*

1. Ultrasonography, CT and MRI interpretation; use of viscoelastics; personalization and customization of surgical microscopes; phacoemulsification machines; vitrectomy machines; surgical equipment; suture material

# GENERAL MEETING INFORMATION

## REGISTRATION & RETRIEVING YOUR NAME BADGE

ON SITE BADGE RETRIEVAL FOR EYE TRAUMA 2024 BEGINS AT 10:00 AM, FRIDAY, MAY 17TH. PICK UP IS OPEN UNTIL 6:00PM.

ON SATURDAY, BADGE PICK UP IS OPEN FROM 7:00 AM UNTIL 5:00 PM.

**INSTRUCTIONS TO OBTAIN YOUR BADGE:** PLEASE SEARCH BY YOUR FIRST OR LAST NAME ON THE COMPUTER THAT IS AVAILABLE AT THE REGISTRATION DESK. ONCE YOU HAVE YOUR NAME ON THE SCREEN, CLICK PRINT. A BADGE WILL PRINT OFF, AND YOU MAY TAKE A LANYARD.

PLEASE NOTE: AS A MEMBER OF ASOT YOU WILL RECEIVE A DISCOUNT ON FUTURE MEETING REGISTRATION FEES, PLEASE CONSIDER JOINING THE AMERICAN SOCIETY OF OPHTHALMIC TRAUMA (ASOT): [THEASOT.COM/JOIN](https://theasot.com/join).

**TELEPHONE & ON-SITE REGISTRATIONS ARE NOT ACCEPTED. CANCELLATION POLICY: WE KINDLY ASK THAT ALL REFUND REQUESTS BE SUBMITTED IN WRITING AND APPROVED BY THE EXECUTIVE OFFICE. REQUESTS MUST BE RECEIVED NO LATER THAN MAY 1, 2024. PLEASE NOTE THAT A 30% HANDLING FEE WILL APPLY TO ALL APPROVED REFUNDS. REGRETTABLY, REFUNDS CANNOT BE ISSUED AFTER MAY 1, 2024, AS PRE-PAYMENT HAS BEEN MADE FOR SPACE AND CATERING ARRANGEMENTS. THANK YOU FOR YOUR UNDERSTANDING AND COOPERATION IN THIS MATTER.**

## AMERICANS WITH DISABILITIES ACT

THE HOUSTON METHODIST INSTITUTE FULLY COMPLIES WITH THE LEGAL REQUIREMENTS OF THE ADA AND THE RULES AND REGULATIONS THEREOF. ANY PARTICIPANT WITH SPECIAL NEEDS MUST SUBMIT A WRITTEN REQUEST TO OUR OFFICE AT LEAST ONE MONTH PRIOR TO THE COURSE DATE.

## INTERNET CONNECTION INFORMATION

**PLEASE SELECT THE METHODIST GUEST OPTION. NO SIGN IN NEEDED.**

## VIRTUAL MEETING INFORMATION

**GO TO THIS LINK:** [HTTPS://WATCH.HOUSTONMETHODIST.ORG/MEDIA/T/1\\_3KLQ09X7](https://watch.houstonmethodist.org/media/t/1_3KLQ09X7)

OR

**SCAN THE QR CODE TO JOIN VIRTUALLY**

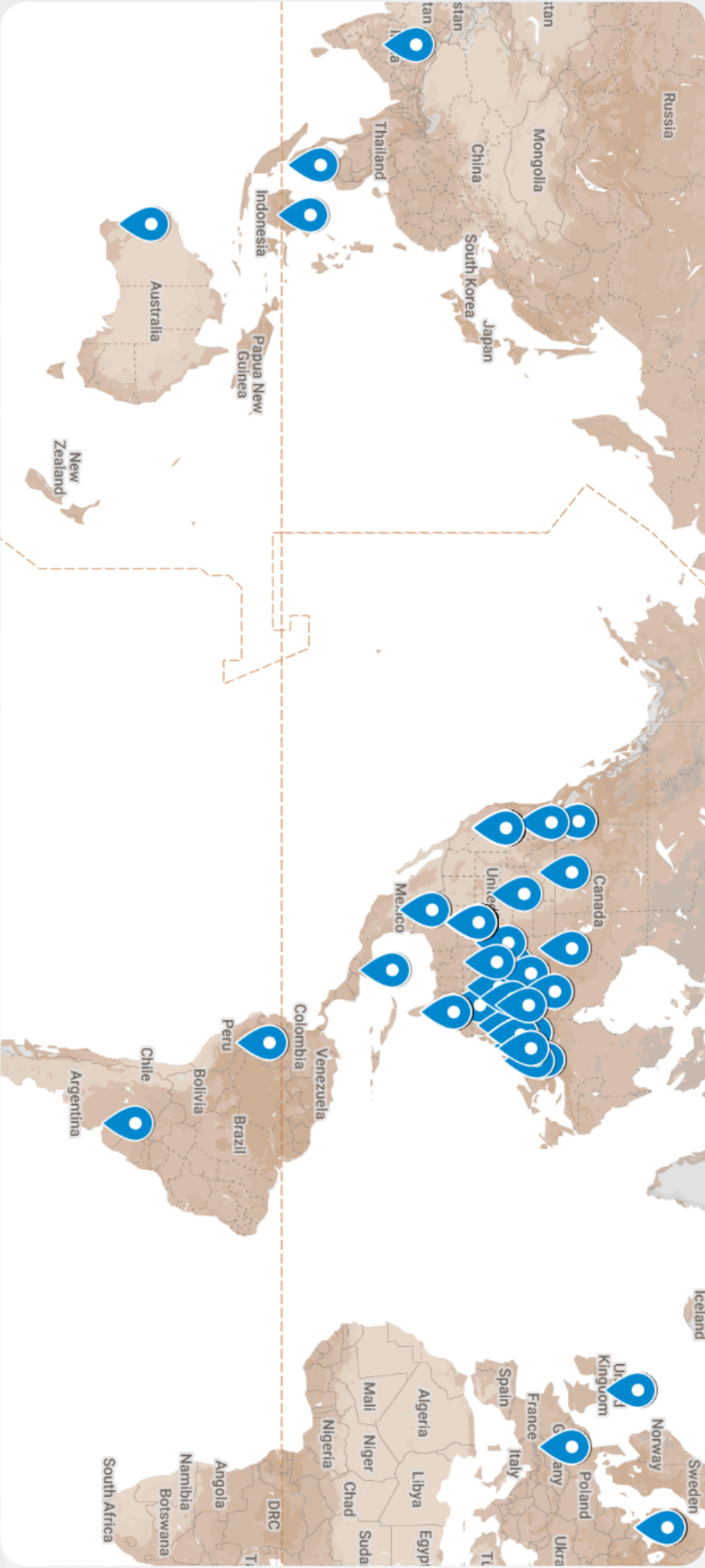




# EYE TRAUMA 2024



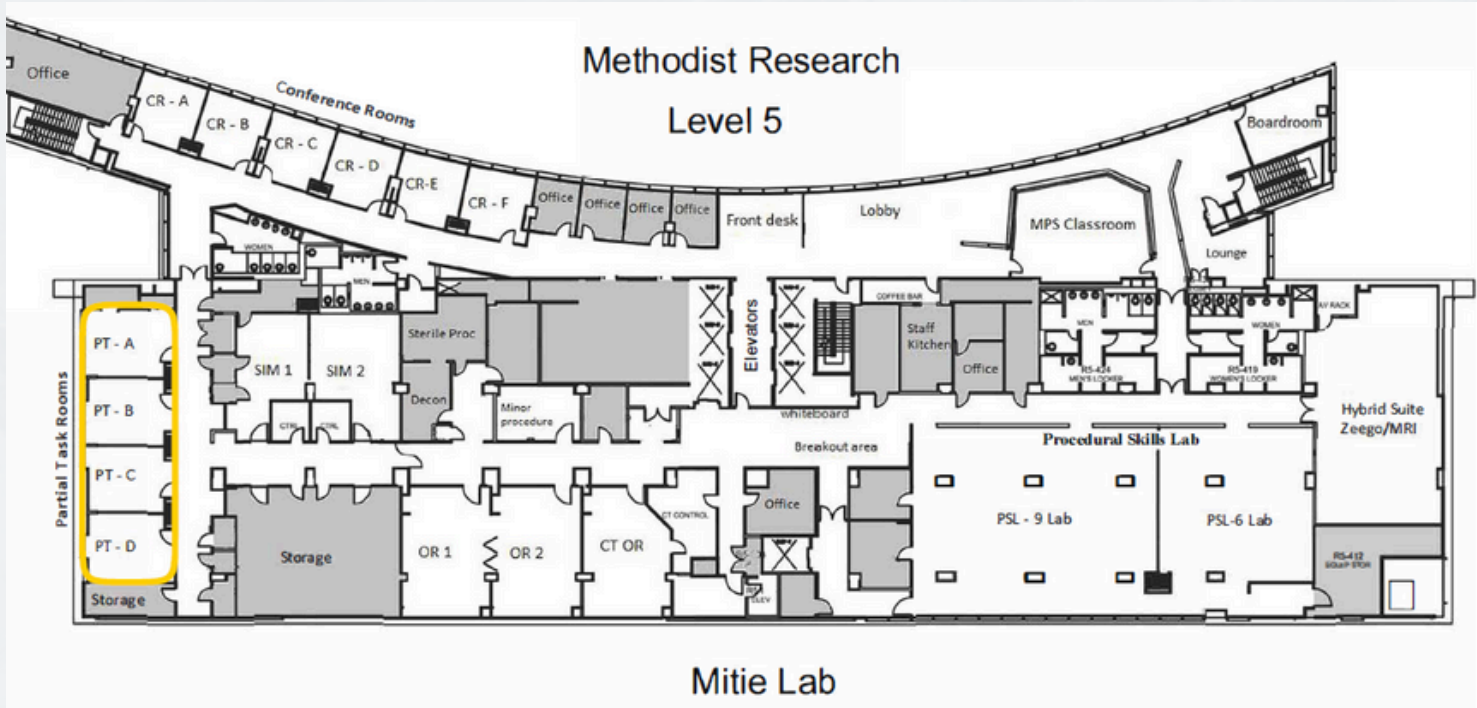
# EYE TRAUMA 2024



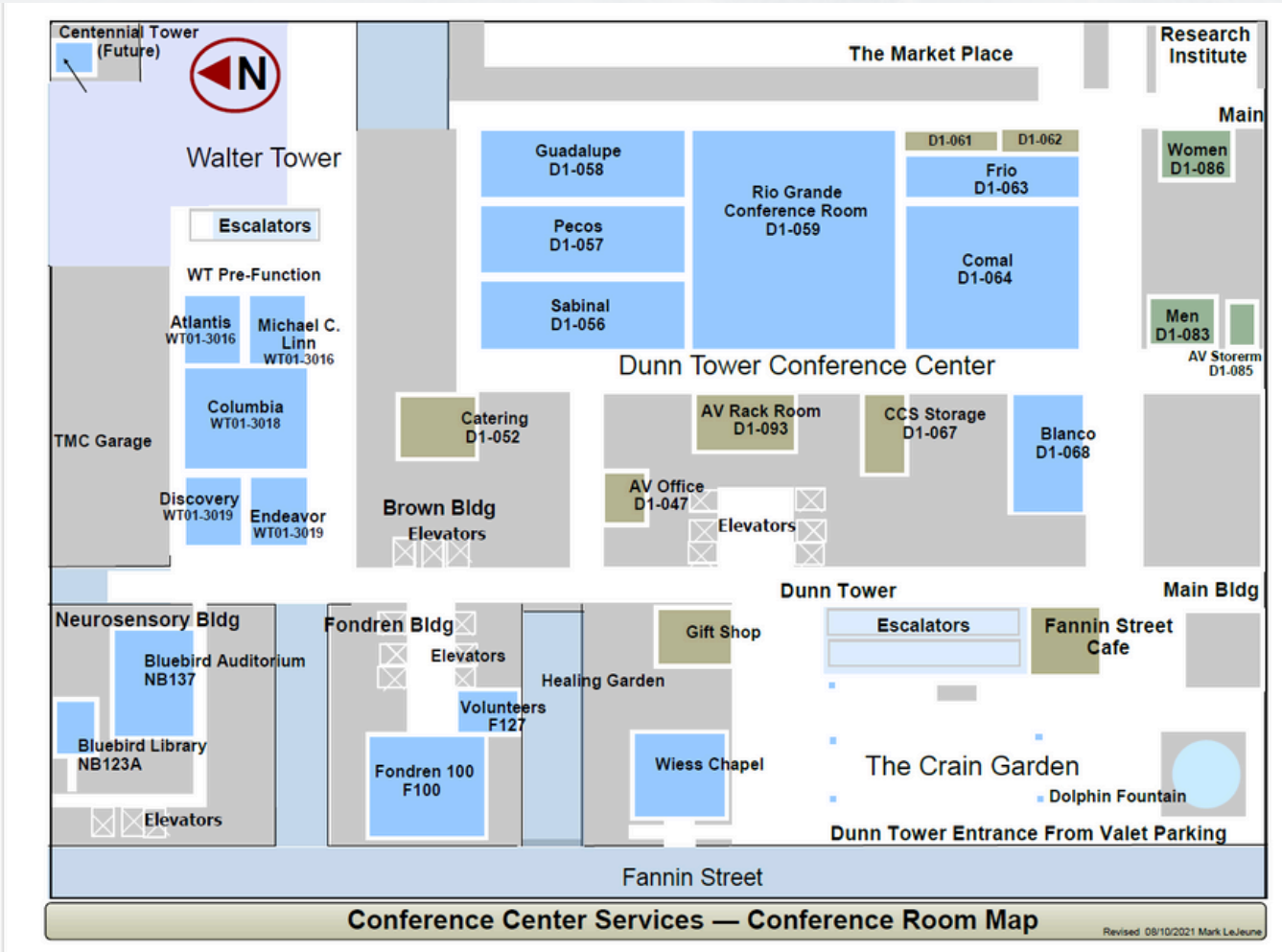
A world map with a tan background and blue location pins indicating the global distribution of attendees for Eye Trauma 2024. The pins are concentrated in North America, particularly in the United States and Canada, with a smaller cluster in Europe. Other pins are scattered across Asia, Australia, and South America. Labeled countries include Russia, Mongolia, China, South Korea, Japan, Thailand, Indonesia, Papua New Guinea, Australia, New Zealand, Canada, Mexico, United States, Colombia, Venezuela, Brazil, Peru, Chile, Argentina, Norway, Sweden, Iceland, United Kingdom, France, Spain, Italy, Germany, Poland, Ukraine, Algeria, Mali, Niger, Nigeria, Chad, Sudan, Egypt, Libya, DRC, Angola, Namibia, Botswana, and South Africa.

## ATTENDEES ACROSS THE GLOBE

HANDS ON WET LAB



CONFERENCE CENTER MAP





## DIRECTIONS TO THE CONFERENCE

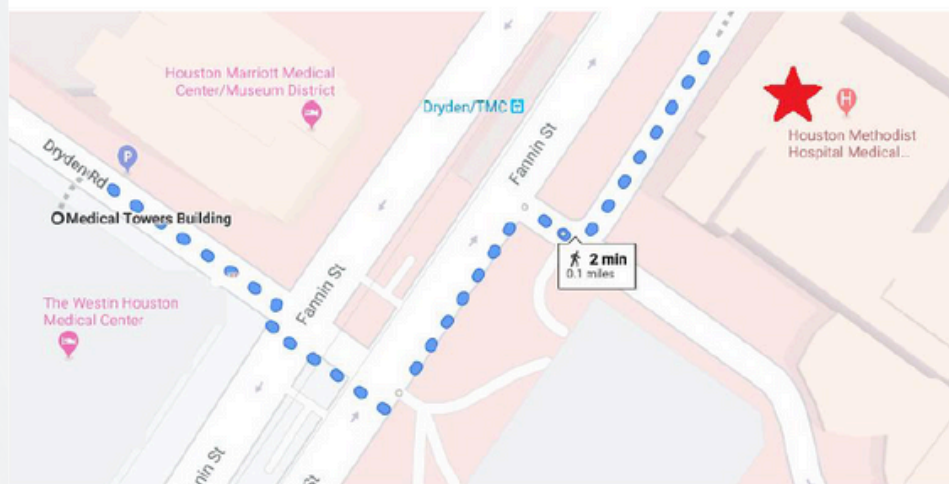
From: Houston Marriott Medical Center  
To: The Methodist Hospital Research Institute



- **START** from the 2<sup>nd</sup> floor of the Marriott
- Cross into the Scurlock Tower building
  - Landmarks: Elevator bank on the left
- Turn right towards the crosswalk
  - Landmark: Chase Bank and Fidelity Investments office
- Cross into The Methodist Hospital
- Follow the walkway which overlooks the Crain Garden Lobby towards the escalators
- Take escalator down to the 1<sup>st</sup> floor
- Make u-turn towards the right
- Turn left at next hallway
  - Landmark: Starbucks kiosk on the right
- Turn right at the end of the hallway
  - Landmark: Cafeteria entrance is immediately facing you
- Turn left at next hallway and follow hallway
  - Landmark: Windows of the cafeteria span the left wall of this hallway
- **END** You have arrived at The Methodist Hospital Research Institute

Westin Houston Medical Center to  
1709 Dryden

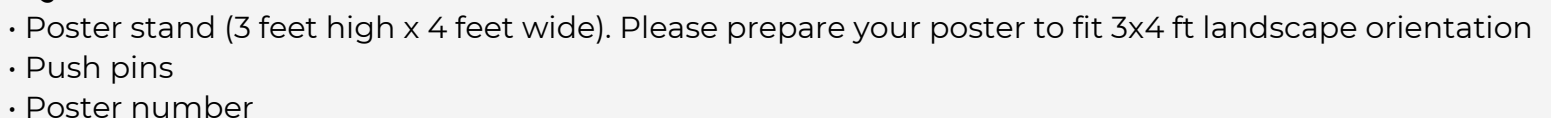
Houston Methodist Research Institute  
6670 Bertner Avenue



- Walk across the Fannin Street to Houston Methodist Hospital (6565 Fannin Street, 77030) and enter the building via the circle drive.
- Proceed across main lobby (Crain Garden) towards the back of the building.
- Pass the Escalator/gift shop. Near Starbucks kiosk you will see a hallway leading further back into the building (towards the Market Place cafeteria).
- Continue straight down that hall until the end where you will turn **right**.
- Turn **left** immediately after and continue forward to reach the Research Institute (RI).
- Turn **right** and proceed to the end of the building.
- Take the stairs or elevator to the 2<sup>nd</sup> floor.

\*Destination Houston Methodist Research Institute, 6670 Bertner Avenue, 77030, 2<sup>nd</sup> Floor\*





POSTER #	ABSTRACT TITLE	PRESENTER
1	Etiology and Demographic Factors Associated with Pediatric Open Globe Injuries in the United States	Aayushi Chechi, BA Rutgers New Jersey Medical School
2	Evaluate Epidemiology of Ocular Trauma in the US Using Expanded National Electronic Injury Surveillance System All Injury Program	Alan, Nguyen, BA Rutgers New Jersey Medical School
3	Bright Eyes for a Brighter Future	Anukriti Singh, BA UT Health San Antonio, Long School of Medicine
4	Full Visual Recovery after the Surgical Removal of a Metallic Foreign Body Entering the Palpebral Fissure: A Pediatric Case Report	Diego Alba, MD Bascom Palmer Eye Institute
5	Transorbital-cranial Foreign Body with Minimally Invasive Removal in a 3-Year-Old Male: A Case Report and Review of Literature	Ella Hawes, BS McGovern Medical School
6	Shattered Sight: A Case Study of Orbital Trauma in a Child Struck by a BB Pellet	Elliot, Cherkas, MD Casey Eye Institute, Oregon Health & Science University
7	Analyzing the Global Burden of Eye Injury: Incidence, Disability, and Trends	Fatma, Shakarchi, MD MSc Red Cross Red Crescent Movement
8	Ocular Trauma Patterns and Outcomes: A Study from a Rural Hospital in Central India	Fatma, Shakarchi, MD MSc Red Cross Red Crescent Movement
9	Ophthalmic Emergency Triage: Validating an AI-Severity Classification System	Fatma, Shakarchi, MD MSc Red Cross Red Crescent Movement



POSTER #	ABSTRACT TITLE	PRESENTER
10	Epidemiologic Shifts In Consumer Good Related Ocular Injuries During COVID-19 Pandemic	George Wasef, BA New Jersey Medical School
11	Proliferative Vitreoretinopathy Management in Combat Ocular Trauma - is Surgery the Only Solution?	Guy Hunter, MD Institute of Naval Medicine, UK
12	Use of Synchronous Patient-to-Provider Telemedicine after Pediatric Closed-Globe Eye Injuries	Harold Dorsey, MD Massachusetts Eye and Ear/Boston Children's Hospital
13	The Sports Ophthalmology Podcast: Advancing the Conversation on Eye Care for Athletes	Jared, Tuttle, BS University of Texas Health Science Center at San Antonio ASOT Student Representative
14	Impact of Cataract Surgery on the Risk of Orthopaedic Trauma	Jawad, Muayad, BS Texas A&M University School of Medicine, Houston, TX
15	Pediatric Post Traumatic Exogenous Fungal Endophthalmitis Caused by Apispora Arundinis	Jing (Sasha) Jia, MD Westchester Medical Center
16	Zoom, Zoom: A Curious Retained Intraocular Foreign Body after Motor Vehicle Accident	Jonathan, Tijerina, MD, MA Bascom Palmer Eye Institute
17	Analysis of Quality of Life in Patients with Ocular Trauma	José Dalma-Weiszhuasz, MD, Association for the Prevention of Blindness in Mexico
18	The Epidemiology of Ocular and Adnexal Trauma Presenting to a Tertiary Referral Eye Hospital in a Latin American Upper-Middle-Income Country: Guatemala	Jose Romero, MD Unidad Nacional De Oftalmologia



POSTER #	POSTER TITLE	PRESENTER
19	Sports-Related Ocular Injury Education: A Sports Medicine Interest Group Initiative	Landon, Paskett, BS University of Texas Health Science Center at San Antonio
20	Retrobulbar Hematoma – Presentation, Management, and Visual Outcomes	Magdi Elghannam, BS University of Maryland School of Medicine
21	Epidemiology of Pediatric Orbital Fractures	Muhammad Abidi BS Harvard Medical School
22	Impact of Social Determinants of Health on Causes of Ophthalmic Trauma	Muhammad, Khan, MBBS The Wilmer Eye Institute, Johns Hopkins University School of Medicine, Baltimore MD, USA
23	Posterior Segment Pathology Resulting from BB Gun Injuries Presenting to an Eye Emergency Department	Nicole Grinspan, BS Massachusetts Eye & Ear, Harvard Medical School
24	A Rare Case of Postoperative Eyelid Necrotizing Fasciitis: Avoiding Tissue Debridement	Nicole West, MD University of Louisville
25	Risk Factors for Retinal Detachment After Open Globe Injury: A Meta-Analysis	Niloufar Bineshfar, MD Bascom Palmer Eye Institute, University of Miami
26	Periorbital Necrotizing Fasciitis: Not Just a Post Traumatic Disease	Osama Ahmed, MD Kellogg Eye Center, University of Michigan
27	Open Globe Injury Repair with Removal of Transscleral Bullet and Subsequent Retinal Detachment Repair: A Case Report	Ramsey, Yusuf, MD University of Miami/Bascom Palmer Eye Institute

POSTER #	POSTER TITLE	PRESENTER
28	Outcomes of Custom Orbital Implant Reconstruction in a Tertiary Referral Center: A Retrospective Study	Rodney Ahdoot, BS University of Michigan Medical School, Ann Arbor, Michigan
29	Ocular Hypertension Following Open Globe Injury in Patients Undergoing Pars Plana Vitrectomy	Sam Karimaghaei, MD University of Arkansas for Medical Sciences
30	Advancing Ophthalmic Care: Vapor Smoothing 3D Printing Emergency Solutions with Poly-Lactic Acid	Samir, Cayenne, BSA The University of Texas Medical Branch Galveston
31	Delayed Spontaneous Extrusion of an Orbital Foreign Body After Compound Bow Injury	Sarah, Dugan, MD Casey Eye Institute/Oregon Health & Science University
32	Self-Inflicted and Assault-Related Firearm-Associated Ocular Injuries	Shu Feng MD University of Washington, Ophthalmic Hospitalist Group
33	A Novel Presentation of a Periorbital Actinomycosis Associated with a Non-Iatrogenic, Chronic Foreign Body	Sneha, Gajarla, BS UTMB School of Medicine
34	Epidemiological Trends in Ophthalmic Injury Related to Swimming: An NEISS Study	Sydney Dacey, BS Alpert Medical School of Brown University
35	Evaluating Clinical Indicators Necessitating Intervention Post-Ophthalmology Consultation for Orbital Fractures	Urvita, Das, BS University of Maryland School of Medicine
36	Open Globe Injury Caused by Wound Dehiscence at Site of Prior Scleral Tunnel	Viet Chau, MD Bascom Palmer Eye Institute



POSTER #	POSTER TITLE	PRESENTER
37	Preexisting Amblyopia May Increase the Risk of Significant Ocular Trauma	Yoav Glidai MD Northwell Health
38	Intraocular Lens Dislocation Mistaken for Vision Loss Secondary to Ocular Thromboembolism	Sneha, Gajarla, BS Texas A&M University
39	Bedside Management of a Zipper Injury to the Upper Eyelid	Gabriella Schmuter, MD Weill Cornell Medicine ASOT Resident Representative
40	Avastin Use after Severe Traumatic Open Globe Repair	Aaliyah, Shaikh, BA Florida International University



F E R E N C K U H N A W A R D 2 0 2 4



Rupesh Agrawal, MD

Head of Research National Healthcare Group  
Eye Institute

As a Senior Consultant Ophthalmologist at the National Healthcare Group Eye Institute, Tan Tock Seng Hospital, Singapore, Dr. Agrawal has demonstrated exceptional expertise and commitment. With extensive training and research experience, he has significantly advanced the understanding and treatment of ocular inflammatory disorders, ocular trauma, and related conditions. Dr. Agrawal's humanitarian efforts extend far beyond his clinical practice. He has dedicated his time and resources to provide eye screenings, education, and surgical interventions to underserved communities, both locally and internationally. His philanthropic initiatives have earned him prestigious awards, including the Healthcare Humanity Award and the President Voluntarism Philanthropy Award. Dr. Rupesh Agrawal's exemplary leadership and compassionate service reflect the true spirit of humanitarianism in healthcare. We congratulate him on this well-deserved recognition and thank him for his inspiring commitment to improving the lives of others.

L A P I A N A - M A Z Z O L I A W A R D 2 0 2 4

A Professor of Surgery and past Chair of the Department of Ophthalmology at the Uniformed Services University of the Health Sciences (USUHS) School of Medicine, Dr. Madigan's expertise is renowned. He has made significant contributions to military medicine, pioneering initiatives such as the Warfighter Refractive Surgery Program, benefiting over 250,000 soldiers worldwide. Dr. Madigan's advocacy for mandatory eye armor wear has safeguarded thousands of service members' vision and quality of life. His expertise spans pediatric ophthalmology to complex adult diseases, earning him accolades such as The Ancient Order of St. Lucia by the Society of Military Ophthalmologists. A past President of the Washington Academy of Ophthalmology, Dr. Madigan's dedication to excellence and service exemplifies the highest standards of ophthalmology. We extend our heartfelt congratulations to Dr. Madigan on this well-deserved recognition of his outstanding contributions to the field.



William Madigan, MD

Chief of Division Ophthalmology at Children's  
National Hospital



**ANNUAL MEETING PLANNING COMMITTEE/SUPPORT STAFF**

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Methodist Hospital, Weill Cornell  
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**AGENDA**





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