AGENDA AT A GLANCE

Thursday, June 9, 2022

6:00 am – 6:30 am  Sunrise Yoga
7:00 am – 6:00 pm  Registration Desk
7:00 am – 8:00 am  Industry-Sponsored Event
   Women in Headache Medicine Breakfast
   Sponsored by AbbVie, Inc.
   Not Eligible for CME Credits

Pre-Course 1:  Trials and Tribulations: Optimizing and Expanding Headache Services for Your Patients
   Practice Management Committee

Pre-Course 2:  The Surgical Management of Headache: Cutting Edge Approaches and Controversies
   CSF Pressure and Volume Disorders and Procedural Headache Medicine Special Interest Sections

8:00 am – 12:30 pm  Hot Topics in Basic Science Symposium
10:30 am – 12:30 pm  Pacific Rim Symposium
   How are CGRP-Related Monoclonal Antibodies Changing Migraine Therapy in the Pacific Rim Countries?
   Pacific Rim Committee

10:30 am – 12:30 pm  Pre-Meeting Courses
   Pre-Course 3:  The Evidence-Free Zones of Pediatric Headache Treatments
   Behavioral Issues, Complementary & Integrative Medicine, and Pediatric & Adolescent Special Interest Sections

Pre-Course 4:  Understanding Patient-Reported Outcome Measures (PROMs) for Headache Trials and Clinical Practice
   Methodology, Design & Statistical Issues Special Interest Section

12:30 pm – 1:30 pm  Industry-Sponsored Event
   Patient and Clinician Perspectives in the Use of Modern Therapies for the Management of Migraine
   Sponsored by Lilly
   CME Eligible (via sponsor)

2:00 pm – 2:30 pm  Welcome / Opening Remarks / AMF Update
2:30 pm – 3:15 pm  KEYNOTE
   Therapeutic Potential of Psychedelics
   Bryan Roth, MD, PhD
University of North Carolina

3:15 pm – 4:30 pm
PLENARY: Hot Topics in Headache
Moderator: Mark J. Burish, MD, PhD

4:45 pm – 5:30 pm
AHS Membership Meeting
Not Eligible for CME Credits
Open to AHS Members Only

5:30 pm – 6:45 pm
Welcome/Exhibitor/Poster Reception

6:45 pm – 7:45 pm
Industry-Sponsored Event
A Portfolio of Treatments for Migraine Patients
Sponsored by AbbVie, Inc.
Not Eligible for CME Credits

Friday, June 10, 2022

6:00 am – 6:30 am
Sunrise Yoga

6:30 am – 5:30 pm
Registration Desk

6:30 am – 5:00 pm
Speaker Ready Room

6:30 am – 8:00 am
Exhibits and Posters with Continental Breakfast

6:30 am – 6:00 pm
Speaker Ready Room

6:30 am – 8:00 am
Committee and Section Meetings

6:30 am – 7:30 am
Industry-Sponsored Event
An Oral Formulation for the Acute Treatment of Migraine With or Without Aura
Sponsored by Collegium Pharmaceutical
Not Eligible for CME Credits

6:30 am – 7:30 am
Industry-Sponsored Event
A Guided Discussion: AJOVY
The Long-Acting Anti-CGRP Injection with Lasting Protection Against Migraine
Sponsored by Teva
Not Eligible for CME Credits

8:00 am – 8:45 am
Seymour Solomon Award Lecture

8:45 am – 9:00 am
Lifetime Achievement Award

9:00 am – 9:15 am
NIH Roadmap for Migraine Research Update

9:15 am – 10:30 am
Future of Headache Medicine

10:30 am - 11:15 am
Exhibits and Posters with Refreshments

11:15 am – 1:00 pm
Scientific Paper Presentations - Session 1
Includes Frontiers in Headache Research Scholarship Presentations

1:00 pm – 1:30 pm
Early Career Award Lecture
Program Agenda – Updated: May 19, 2022 (all times Mountain)

DRAFT – Not for publication

1:30 pm – 2:30 pm  Exhibits and Poster Session
   Lunch Available for Purchase
1:30 pm – 2:30 pm  Industry-Sponsored Event
   Mechanism of Action in Migraine Therapeutics: Does It Matter to Clinicians and Patients?
   Sponsored by Lilly
   Not Eligible for CME Credits
2:30 pm – 3:15 pm  Harold G. Wolff Award Lecture
3:15 pm – 5:15 pm  PLENARY: Design and Interpretation of Headache Research and Clinical Trials
5:15 pm – 7:15 pm  Friday Evening Events
   5:15 pm – 5:45 pm  Special Interest Section Fair
   5:45 pm – 7:15 pm  AHS' Got Talent
7:30 pm – 8:30 pm  Industry-Sponsored Event
   Treat and Prevent Migraines with an All-in-One Medication
   Sponsored by Biohaven Pharmaceuticals
   Not Eligible for CME Credits

Saturday, June 11, 2022
6:00 am – 6:30 am  Sunrise Yoga
6:30 am – 5:30 pm  Registration Desk
6:30 am – 7:30 am  Exhibits and Posters with Continental Breakfast
6:30 am – 7:30 am  Industry-Sponsored Event
   Starting Today: Effects of a Preventive Treatment Initiated During a Migraine Attack
   Sponsored by Lundbeck
   Not Eligible for CME Credits
7:30 am – 9:30 am  Industry-Submitted Abstracts
   Not Eligible for CME Credits
8:00 am – 10:00 am  Juniper AV Strike
9:30 am – 10:00 am  Coffee Break
10:00 am – 10:45 am  DEBATE: Positive Phase 3 Trial: 'So what?' OR 'That’s awesome!’ Are Clinical Trials Representative of our Patients?
   Chairs: Christina L. Szperka, MD, FAHS; Deborah I. Friedman, MD, MPH, FAHS
10:45 am – 11:15 am  Exhibits and Posters with Refreshments
11:15 am – 12:15 pm  CONCURRENT SESSION
Program Agenda – Updated: May 19, 2022 (all times Mountain)

**DRAFT – Not for publication**

11:15 am – 12:15 pm
**Scientific Paper Presentations - Session 2A**

12:15 pm – 1:00 pm
**DEBATE: Is Inflammation a Mechanism of Migraine?**

1:00 pm – 2:15 pm
Exhibits and Poster Session

Lunch Available for Purchase

1:00 pm – 2:00 pm
**Industry-Sponsored Event**

Setting the Bar Higher: Think You Know DHE? Think Again.
Sponsored by Impel Pharmaceuticals

Not Eligible for CME Credits

2:15 pm – 3:45 pm
**Scientific Paper Presentations - Session 3**
Includes Frontiers in Headache Research Scholarship

3:45 pm – 5:45 pm
**PLENARY: What Makes Migraine Worse**
Moderator: Dawn C. Buse, PhD, FAHS
Chair: Amynah A. Pradhan, PhD

5:45 pm – 6:30 pm
**John R. Graham Award Lecture**

6:30 pm – 7:30 pm
Wine and Cheese Reception

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**Sunday, June 12, 2022**

7:00 am – 9:00 am
Registration Desk

7:00 am – 8:00 am
Continental Breakfast

8:00 am – 10:00 am
**PLENARY: TBI/Post Traumatic Headache**
FULL AGENDA

Thursday, June 9, 2022

6:00 am – 6:30 am  Sunrise Yoga
7:00 am – 6:00 pm  Registration Desk
7:00 am – 8:00 am  Industry-Sponsored Event
      Women in Headache Medicine Breakfast
      Sponsored by AbbVie, Inc.
      Not Eligible for CME Credits

8:00 am – 10:00 am  Pre-Meeting Courses
      Pre-Course 1:
      Trials and Tribulations: Optimizing and Expanding Headache Services for Your Patients
      Practice Management Committee

      Moderators: Christina L. Szperka, MD, FAHS; Raissa Villanueva, MD, MPH

      8:00 am – 8:05 am  Introductions
                        Christina L. Szperka, MD, FAHS
                        Children’s Hospital of Philadelphia

                        Raissa Villanueva, MD, MPH
                        University of Rochester Medical Center

      8:05 am – 8:35 am  How to Get Involved in Clinical Trials
                        Jessica Ailani, MD, FAHS
                        MedStar Georgetown University Hospital

                        Brad C. Klein, MD, MBA
                        Abington Neurological Associates, LTD

      8:35 am – 8:55 am  How to Build a Multi-Disciplinary Team
                        Brian M. Grosberg, MD
                        Hartford Healthcare Headache Center

      8:55 am – 9:05 am  Billing/Reimbursement for Psychologists, Working Together
                        Elizabeth K. Seng, PhD, FAHS
                        Yeshiva University/Albert Einstein College of Medicine

      9:05 am – 9:15 am  Billing/Reimbursement for APPs/RNs and the Logistics of How to Work Together Efficiently
                        Maureen A. Moriarty, DNP, ANP-BC, FAHS
                        Moriarty Associates

      9:15 am – 9:35 am  Prior Authorization- Navigating the Process
                        Raissa Villanueva, MD, MPH
University of Rochester Medical Center

9:35 am – 9:45 am  
**Special Issues in Pediatrics**  
Christina L. Szperka, MD, FAHS  
_Children's Hospital of Philadelphia_

9:45 am – 10:00 am  
**Panel Discussion**

**Pre-Course 2:**  
**The Surgical Management of Headache: Cutting Edge Approaches and Controversies**  
CSF Pressure and Volume Disorders and Procedural Headache Medicine Special Interest Sections

Moderator: Paul G. Mathew, MD, DNPAS, FAHS

8:00 am – 8:25 am  
**ENT Surgical Approaches in Patients with Headache Disorders**  
Frederick Godley III, MD, FACS  
_Association of Migraine Disorders_

8:25 am – 8:50 am  
**Percutaneous And Surgical Approaches CSF Volume Disorders**  
Linda Gray Leithe, MD  
_Duke University Medical Center_

8:50 am – 9:15 am  
**Bariatric Surgery and Headache**  
Jennifer McVige, MD, MA  
_Dent Neurologic Institute_

9:15 am – 9:40 am  
**Nerve Decompression Surgery for the Treatment of Focal Painful Cranial Neuralgias**  
Pamela Blake, MD, FAHS  
_Headache Center of River Oaks_

9:40 am – 10:00 am  
**Panel Discussion**

**8:00 am – 12:30 pm**  
**Hot Topics in Basic Science Symposium**  
Moderators: Amynah Pradhan, PhD; Rami Burstein, PhD

8:00 am – 8:25 am  
**Novel Insights into Migraine Mechanisms from Multi-Modal Minimally Invasive Approach**  
Andrew C. Charles, MD, FAHS  
_University of California, Los Angeles_

8:25 am – 8:50 am  
**Piloting a Phosphoproteome Analysis of Migraine Serum**  
Tally Largent-Milnes, PhD  
_University of Arizona_

8:50 am – 9:15 am  
**Circadian Properties of Cluster Headache Medications and The Trigeminal Ganglion**  
Mark J. Burish, MD, PhD  
_University of Texas Health Science Center at Houston_

9:15 am – 9:40 am  
**Uncovering a Neuroendocrine Link to Female-Selective Nociceptor Sensitization in Migraine**
Caroline Kopruszinski, PhD  
*University of Arizona*

9:40 am – 10:05 am  
**Human and Mouse Trigeminal Ganglia Cell Atlas Implicates Multiple Cell Types in Migraine**  
William Renthal, MD, PhD  
*B Brigham and Women’s Hospital*

10:05 am – 10:20 am  
**Hot Topics Panel Discussion**

10:20 am – 10:40 am  
**Break**

10:40 am – 11:05 am  
**Brain Functions Altered by Peripherally Acting Drugs**  
Rami Burstein, PhD  
*Harvard Medical School*

11:05 am – 12:00 pm  
**Data Blitz Presentations**

**DB-01: Oxytocin Receptors on Calvarial Periosteal Nociceptors: Pain Modulation in a Model of Post-Traumatic Headache**  
Vimala Bharadwaj, PhD  
*Stanford University*

**DB-02: Structure-function Studies of Sodium, Potassium-ATPase Regulators in Migraine**  
Veronica Hubble, PhD  
*Huntington Medical Research Institutes*

**DB-03: Pharmacogenomics—One Step Closer to Precision Medicine in Headache? A Pilot, Exploratory Study of the Effect of Pharmacogenomic Phenotypes on the Adequate Dosing of Verapamil for Migraine Prevention**  
Yi-Chieh Chen, PharmD  
*Mayo Clinic Health System*

**DB-04: Differential Association of Plasma Hormones with Lipolysis in Chronic Migraine**  
Alfred Fonteh, PhD  
*Huntington Medical Research Institute*

**DB-05: Assessing the Mechanistic Processes of Sodium Dysregulation in Migraine Patients**  
Abush Kolko, BS  
*University of California, Santa Barbara*
Program Agenda – Updated: May 19, 2022 (all times Mountain)

DRAFT – Not for publication

**DB-06: Effects of Goreisan, an Herbal Medicine, on Cortical Spreading Depolarization**
Chisato Iba
*Keio University School of Medicine*

**DB-07: Sex Differences in Behavioral Reaction in a Rodent Model of Acute Migraine**
Chenchen Xia, PhD
*Huntington Medical Research Institutes*

12:00 pm – 12:30 pm
**Group Discussion: Future of Basic Science of Headache**
Chair: Rami Burstein, PhD
*Harvard Medical School*

10:30 am – 12:30 pm
**Pacific Rim Symposium**
*How are CGRP-Related Monoclonal Antibodies Changing Migraine Therapy in the Pacific Rim Countries?*
Pacific Rim Committee

Moderators: Mamoru Shibata, MD, PhD

**Overview: How Do We Effectively Utilize CGRP-Related Antibodies in Migraine Prophylaxis?**
Mamoru Shibata, MD, PhD
*Tokyo Dental College Ichikawa General Hospital*

**Galcanezumab for Difficult-To-Treat Chronic Migraine: Real-World Experience in Taiwan**
Yen-Feng Wang, MD, PhD
*National Yang-Ming University School of Medicine*

**Monoclonal Antibodies That Work on the CGRP Pathway - The Australian Experience**
Michael Eller, MD
*Monash Medical Centre*

**Clinical Experience of CGRP Monoclonal Antibodies in Korea**
Hong-Kyun Park, MD, MSc
*Inje University*

**Real-World Impact of Calcitonin Gene-Related Peptide (CGRP) Monoclonal Antibodies in Japan: A New Era Of Migraine Therapy**
Daisuke Danno, MD, PhD
*Tominaga Hospital*
### Pre-Meeting Courses

#### Pre-Course 3:

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>10:30 am – 12:30 pm</td>
<td><strong>The Evidence-Free Zones of Pediatric Headache Treatments</strong>&lt;br&gt;Behavioral Issues, Complementary &amp; Integrative Medicine, and Pediatric &amp; Adolescent Special Interest Sections</td>
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Moderators: Christina L. Szperka, MD, FAHS; Emily Law, PhD; Niushen Zhang, MD, FAHS

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<tr>
<td>10:30 am – 10:35 am</td>
<td><strong>Introductions by the Chairs</strong>&lt;br&gt;Christina L. Szperka, MD, FAHS; Emily Law, PhD; Niushen Zhang, MD, FAHS</td>
<td></td>
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<tr>
<td>10:35 am – 10:55 am</td>
<td><strong>Part 1: Treatments for Patients with NDPH and other Continuous Headache Disorders</strong>&lt;br&gt;(Medications, CBD, Restrictive Diets, Chiropractic, Surgeries) – Considering Benefits and Harms</td>
<td>Children's Hospital Colorado</td>
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<tr>
<td>10:55 am – 11:05 am</td>
<td><strong>Q&amp;A</strong></td>
<td></td>
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<tr>
<td>11:05 am – 11:35 am</td>
<td><strong>Part 2: Lifestyle Advice (Sleep, Hydration, Diet, Screen Time, Exercise), a Debate</strong></td>
<td></td>
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</tbody>
</table>
| 11:35 am – 12:00 pm | "Lifestyle Recommendations are Beneficial for Headache Care"
| 12:00 pm – 12:20 pm | "Lifestyle Recommendations Blame the Patient"
| 12:20 pm – 12:30 pm | **Part 3: The State of Research in Pediatric Headache – from Bench to Clinical to Advocacy – Where Have We Been and Where are We Going?** |

Moderators: Olivia Begasse de Dhaem, MD; Dawn C. Buse, PhD, FAHS

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<td>12:20 pm – 12:30 pm</td>
<td><strong>Understanding Patient-Reported Outcome Measures (PROMs) for Headache Trials and Clinical Practice</strong>&lt;br&gt;Methodology, Design &amp; Statistical Issues Special Interest Section</td>
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Moderators: Olivia Begasse de Dhaem, MD; Dawn C. Buse, PhD, FAHS
Program Agenda – Updated: May 19, 2022  (all times Mountain)

DRAFT – Not for publication

10:30 am – 10:55 am  “Fit-for-Purpose” PROMs From a Regulatory Standpoint
Jim McGinley, PhD
Vector Psychometric Group, LLC

10:55 am – 11:20 am  Measuring What Matters: Putting the Patient in PROMs
Rikki Mangrum, MLS
Vector Psychometric Group, LLC

11:20 am – 11:45 am  Key Quantitative Components Needed for Producing Fit-for-Purpose PROMs
Carrie R. Houts, PhD
Vector Psychometric Group, LLC

11:45 am – 12:10 pm  How to Select and Effectively Incorporate PROMs into Clinical Practice and Trials
Richard B. Lipton, MD, FAHS
Albert Einstein College of Medicine

12:10 pm – 12:30 pm  Panel Discussion
RJ Wirth, PhD
Vector Psychometric Group, LLC

12:30 pm – 1:30 pm  Industry-Sponsored Event

Patient and Clinician Perspectives in the Use of Modern Therapies for the Management of Migraine
Sponsored by Lilly
CME Eligible (via sponsor)

Jessica Ailani, MD, FAHS
MedStar Georgetown University Hospital

Stephanie J. Nahas, MD, FAHS
Thomas Jefferson University

Stewart J. Tepper, MD, FAHS
Dartmouth-Hitchcock Medical Center

2:00 pm – 2:30 pm  Welcome / Opening Remarks / AMF Update

2:30 pm – 3:15 pm  KEYNOTE
Therapeutic Potential of Psychedelics
Bryan Roth, MD, PhD
3:15 pm – 4:30 pm  **PLENARY: Hot Topics in Headache**
Moderator: Mark J. Burish, MD, PhD

3:15 pm – 3:20 pm  **Introductions**
Nathaniel M. Schuster, MD
*University of California, San Diego*

3:20 pm – 3:40 pm  **Psychedelics and Clinical Trials: What is the Data for Primary Headache Disorders?**
Emmanuelle Schindler, MD, PhD
*Yale University*

3:40 pm – 3:45 pm  **Q&A**

3:45 pm – 4:05 pm  **How Does the Endocannabinoid System Affect Headache and Disorders?**
Tally Largent-Milnes, PhD
*University of Arizona*

4:05 pm – 4:30 pm  **Panel Discussion**

4:45 pm – 5:30 pm  **AHS Membership Meeting**
*Not Eligible for CME Credits*  
*Open to AHS Members Only*

**Board of Directors Transition**

**Member’s Choice Award**
“Management of Primary Headaches During Pregnancy, Postpartum, and Breastfeeding: A Systematic Review”
Kenneth K. Chen, MD
*Brown University*

**Above and Beyond Awards**
Duren Michael Ready, MD, FAHS  
*Baylor Scott & White Clinic*

Stephanie J. Nahas, MD, FAHS  
*Thomas Jefferson University*

Adam Sprouse Blum, MD  
*University of Vermont Medical Center*

**Distinguished Service Award**
William B. Young, Jr, MD  
*Thomas Jefferson University*

5:30 pm – 6:45 pm  **Welcome/Exhibitor/Poster Reception**
6:45 pm – 7:45 pm  
Industry-Sponsored Event  
A Portfolio of Treatments for Migraine Patients  
Sponsored by AbbVie, Inc.  
Not Eligible for CME Credits

Friday, June 10, 2022

6:00 am – 6:30 am  
Sunrise Yoga

6:30 am – 8:00 am  
Exhibits and Posters with Continental Breakfast

6:30 am – 7:30 am  
Industry-Sponsored Event  
An Oral Formulation for the Acute Treatment of Migraine With or Without Aura  
Sponsored by Collegium Pharmaceutical  
Not Eligible for CME Credits

Andrew Blumenfeld, MD  
The Los Angeles and San Diego Headache Centers

Please join us to learn more about an oral formulation for the acute treatment of migraine with or without aura.

6:30 am – 7:30 am  
Industry-Sponsored Event  
A Guided Discussion: AJOVY  
The Long-Acting Anti-CGRP Injection with Lasting Protection Against Migraine  
Sponsored by Teva  
Not Eligible for CME Credits

7:00 am – 8:00 pm  
AHS Executive Office

7:00 am – 6:00 pm  
Press Office

8:00 am – 8:45 am  
Seymour Solomon Award Lecture  
Introduction: Seymour Solomon

Black Patients Matter in Headache Medicine: Exploration of Race, Racism, Race-based Headache Disparities and Professional Ethics  
Larry Charleston, IV, MD, MSc, FAHS  
Michigan State University College of Human Medicine

8:45 am – 9:00 am  
Lifetime Achievement Award  
Introduction: Andrew C. Charles, MD, FAHS

Gretchen E. Tietjen, MD
9:00 am – 9:15 am  
**NIH Roadmap for Migraine Research Update**  
Michael L. Oshinsky, PhD  
NINDS/NIH

9:15 am – 10:30 am  
**Future of Headache Medicine**

9:15 am - 9:35 am  
**Clinical Fellowship Award**  
Implementing Screening and Treatment for Adverse Childhood Experiences in Pediatric Patients with Headache at the Children’s Hospital of Philadelphia  
Marissa Anto, MD, MSc  
*Children's Hospital of Philadelphia*

9:35 am - 9:55 am  
**IHA Research Grant Presentation**  
Examining the Impact of the Sleep-Wake Cycle and Sleep Deprivation on Cortical Spreading Depression Susceptibility and Sensory Sensitivity  
Sinifunanya Nwaobi, MD, PhD  
*University of California, Los Angeles*

9:55 am - 10:10 am  
**Future Of Headache Medicine**  
Voluntary Exercise Reduces Acute and Persistent Post-Traumatic Headache-Related Pain in a Rodent Model  
Vimala Bharadwaj, PhD  
*Stanford University*

10:10 am - 10:25 am  
**Future Of Headache Medicine (FOMH-02)**  
Presentation of Headache and Its Management in the Emergency Department Amongst a Cohort of Diverse Reproductive Age Women  
Crystal Jicha, MD  
*Montefiore Headache Center*

10:30 am - 11:15 am  
**Exhibits and Posters with Refreshments**

11:15 am – 1:00 pm  
**Scientific Paper Presentations - Session 1**  
*Moderators: Jessica Ailani, MD, FAHS; Matthew S. Robbins, MD, FAHS*

11:15 am – 11:25 am  
**OR-01: Migraine Prevalence Has Remained Stable While Disability Has Increased in US Population Studies**  
Fred Cohen, MD  
*Jefferson Headache Center*

11:25 am – 11:35 am  
**OR-02: The NIH HEAL Initiative Preclinical Screening Platform for Pain (PSPP) Efforts to Validate Rodent Models of Pain and Migraine**  
Smriti Iyengar, PhD
11:35 am – 11:45 am
**OR-03: Therapeutic Potential of Cannabinoids on Preclinical Migraine Models**
Erik Zorrilla, BS
*University of Iowa*

11:45 am – 11:55 am
**OR-04: Resting-State Functional Connectivity in Pediatric Patients With New Daily Persistent Headache**
Edina Szabo, PhD
*Boston Children’s Hospital, Harvard Medical School*

11:55 am – 12:05 pm
**OR-05: Implementation of a Best Practice Alert in the Electronic Health Record Reduced Neurology Referrals and Magnetic Resonance Imaging for Headache: A Pilot Program of 1,860 Patients**
Scott M. Friedenberg, MD
*Geisinger Health System*

12:05 pm – 12:15 pm
**OR-06: Validity of Self-Reported Migraine in Adolescents and Children**
Danielle J. Kellier, BS
*University of Pennsylvania*

12:15 pm – 12:25 pm
**OR-07: Precision Phenotyping in Migraine Using Topological Data Analysis – Visualizing the Spectrum of Migraine Clinical Features**
Chia-Chun Chiang, MD
*Mayo Clinic*

12:25 pm – 12:35 pm
**OR-08: Symptoms of Increased Peripheral and Central Trigeminal Sensitization Predict the Response to antiCGRP Monoclonal Antibodies: A Multicenter, 24-Week, Cohort Study on 864 Migraine Patients**
Piero Barbanti, MD, PhD
*IRCCS San Raffaele Roma*

12:35 pm – 1:00 pm
**Frontiers in Headache Research Scholarship Lecture+ Award Presentation**
**Mechanisms of Mindfulness’ Impact on Migraine After Mindfulness Based Stress Reduction**
Paige Estave, PhD
*Wake Forest School of Medicine*

1:00 pm – 1:30 pm
**Early Career Award Lecture**
*Introduction: Matthew S. Robbins, MD, FAHS*

**Migraine with Aura Associates with A Higher Artificial Intelligence-ECG Atrial Fibrillation Prediction Model Output Compared to Migraine without Aura in Both Women and Men**
Chia-Chun Chiang, MD
*Mayo Clinic*
1:30 pm – 2:30 pm  Exhibits and Poster Session  
   Lunch Available for Purchase

1:30 pm – 2:30 pm  Industry-Sponsored Event  
   Mechanism of Action in Migraine Therapeutics: Does It Matter to Clinicians and Patients?  
   Sponsored by Lilly  
   Not Eligible for CME Credits

Jessica Ailani, MD, FAHS  
   MedStar Georgetown University Hospital

Peter J. Goadsby, MD, PhD, FAHS  
   University of California, Los Angeles

Paul G. Mathew, MD, DNBPA, FAHS  
   Harvard Medical School

2:30 pm – 3:15 pm  Harold G. Wolff Award Lecture  
   Introduction: Matthew S. Robbins, MD, FAHS  
   Migraine and Peripheral Pain Models Show Differential Alterations in Neuronal Complexity  
   Amynah A. Pradhan, PhD  
   University of Illinois at Chicago

3:15 pm – 5:15 pm  PLENARY: Design and Interpretation of Headache Research and Clinical Trials  
   Moderator: Elizabeth K. Seng, PhD, FAHS  
   Chair: Jessica Ailani, MD, FAHS

   3:15 pm – 3:20 pm  Introductions  
      Robert C. Gibler, PhD  
      Cincinnati Children's Hospital Medical Center

   3:20 pm – 3:40 pm  Animal Modeling of Headache and Design Implementation  
      Amynah A. Pradhan, PhD  
      University of Illinois Chicago

   3:40 pm – 3:45 pm  Q&A

   3:45 pm – 4:05 pm  The Pitfalls of Unreliable or Missing Data  
      Dana Turner, PhD, MSPH  
      Massachusetts General Research Institute

   4:05 pm – 4:10 pm  Q&A

   4:10 pm – 4:30 pm  What Should be the Primary Outcome?  
      R.J. Wirth, PhD  
      Vector Psychometric Group, LLC

   4:30 pm – 4:35 pm  Q&A
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DRAFT – Not for publication

4:35 pm – 4:55 pm Setting the Criteria for Selection of Clinical Trials
Jessica Ailani, MD, FAHS
MedStar Georgetown University Hospital

4:55 pm – 5:15 pm Panel Discussion

5:15 pm – 7:15 pm Friday Evening Events
5:15 pm – 5:45 pm Special Interest Section Fair
5:45 pm – 7:15 pm AHS’ Got Talent

7:30 pm – 8:30 pm Industry-Sponsored Event
Treat and Prevent Migraines with an All-in-One Medication
Sponsored by Biohaven Pharmaceuticals
Not Eligible for CME Credits

Peter McAllister, MD
New England Center for Neurology and Headache

Saturday, June 11, 2022

6:00 am – 6:30 am Sunrise Yoga
6:30 am – 5:30 pm Registration Desk
6:30 am – 7:30 am Exhibits and Posters with Continental Breakfast
6:30 am – 7:30 am Industry-Sponsored Event

Starting Today

Effects of a Preventive Treatment Initiated During a Migraine Attack
Sponsored by Lundbeck
Not Eligible for CME Credits

Dawn C. Buse, PhD, FAHS
Albert Einstein College of Medicine

Rami Apelian, MD, MPH, FAES
Huntington Headache & Neurology

Paul K. Winner, DO, FAAN, FAAP, FAHS
Palm Beach Headache Center

7:30 am – 9:30 am Industry-Submitted Abstracts
Not Eligible for CME Credits

7:30 am – 7:40 am IOR-01: Efficacy And Safety Of Zavegepant Nasal Spray for the Acute Treatment of Migraine: Results of a Phase 3 Double-Blind, Randomized, Placebo Controlled Trial
Jelena M. Pavlovic, MD, PhD
IOR-02: Incidences of Traumatic Brain Injury and Post-Traumatic Headache for all Age Groups Using a US Claims Database
Juline Bryson, MD
Teva

IOR-03: Migraine-Related Stigma and Its Influence on Disability, Intercital Burden, and Migraine Specific Quality of Life: Results of the OVERCOME (US) Study
Robert E. Shapiro, MD, PhD
Larner College of Medicine, University of Vermont

IOR-04: Increased Placebo Response Over Time in Oral Migraine Preventive Trials: A Systematic Literature Review and Meta-Analysis
Stewart J. Tepper, MD, FAHS
Dartmouth-Hitchcock Medical Center

IOR-05: Characterizing Preventive Treatment Gaps in Migraine: Interim Results From the CaMEO-International Study United States Sample
Dawn C. Buse, PhD, FAHS
Albert Einstein College of Medicine

IOR-06: Cardiovascular Outcomes Associated With Oral Triptans Among Migraine Patients With a History of Cardiovascular Conditions
Jessica Ailani, MD, FAHS
MedStar Georgetown University Hospital

IOR-07: A Multicenter, Open Label Study Assessing the Efficacy of AJOVY® (fremanezumab-vfrm) on Interictal Migraine Related Burden
Heather Manley, MS, LPC
Clinvest Research

IOR-08: Long-Term Safety and Tolerability of STS101, a Dry Powder Intranasal Dihydroergotamine Product: Initial Data From the ASCEND Study
Stewart J. Tepper, MD, FAHS
Dartmouth-Hitchcock Medical Center

IOR-09: Safety and Tolerability of Rimegepant Every Other Day for Preventive Treatment of Migraine Plus As-Needed for Acute Treatment of Migraine: Results from A 52-Week, Open-Label Extension Study
Richard B. Lipton, MD, FAHS
Albert Einstein College of Medicine

IOR-10: Early Prediction of Response to INP104 for the Acute Treatment of Migraine
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Sara E. Sacco, MD
Carolinas Headache Clinic

9:10 am – 9:20 am
IOR-11: Decrease in Body Weight With Once-Daily Atogepant for the Preventive Treatment of Migraine: A Post Hoc Analysis
Jessica Ailani, MD, FAHS
MedStar Georgetown University Hospital

9:20 am – 9:30 am
IOR-12: Celecoxib Oral Solution in the Acute Treatment of Migraine: Pooled Efficacy and Safety Results From 2 Randomized Placebo-controlled Trials
Stewart J. Tepper, MD, FAHS
Dartmouth-Hitchcock Medical Center

9:30 am – 10:00 am
Coffee Break

10:00 am – 10:45 am
DEBATE: Positive Phase 3 Trial: 'So what?' OR 'That’s awesome!' Are Clinical Trials Representative of our Patients?
Chairs: Christina L. Szperka, MD, FAHS; Deborah I. Friedman, MD, MPH, FAHS

Jan L. Brandes, MD
Nashville Neuroscience Group

Amy Gelfand, MD, FAHS
University of California, San Francisco

10:45 am – 11:15 am
Exhibits and Posters with Refreshments

11:15 am – 12:15 pm
CONCURRENT SESSION

Scientific Paper Presentations - Session 2A

11:15 am – 11:25 am
OR-09: Injection of CGRP in the Medial Cerebellar Nucleus Alters Sensory but Not Motor Behaviors
Thomas Duong
University of Iowa

11:25 am – 11:35 am
OR-10: Efficacy of a Dual ENKephalinase Inhibitor in a Preclinical Stress-Induced Migraine Model
Hao-Ruei Mei
University of Texas at Dallas

11:35 am – 11:45 am
OR-11: Migraine During Fertility Treatment: Interim Analysis of a Pilot Study
Joseph Safdieh
Weill Cornell Medicine

11:45 am – 11:55 am
OR-12: Sex Differences in Migraine: A Twin Study
Morgan C. Fitzgerald, BS
University of California San Diego
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11:55 am – 12:05 pm OR-13: The Migraine Disability Assessment (MIDAS) as an Indicator of Resilience in Patients with Headaches
Deborah I. Friedman, MD, MPH, FAHS
University of Texas Southwestern

12:05 pm – 12:15 pm OR-14: There is No Sleeping it Off: The Impact of Poor Sleep in Children with Headache
Deirdre A. Caplin, PhD
University of Utah

11:15 am – 12:15 pm CONCURRENT SESSION

Scientific Paper Presentations - Session 2B
Includes Late-Breaking Abstract Presentations

11:15 am – 11:25 am LBOR-01: Ahead of the Pain: Where We Stand After a Decade of Growth in Headache Subspecialists
Skyler L. Kanegi
The University of Texas Health Science Center at San Antonio

11:25 am – 11:35 am LBOR-02: Drivers of Delayed Alcohol-Induced Headache: A Prospective-Cohort Study
David Garcia-Azorin, MD, PhD, MSci
Hospital Clinico Universitario de Valladolid

11:35 am – 11:45 am LBOR-03: The Impact of Pre-Morbid Headaches on Headache Features and Long-Term Health Outcomes Post Traumatic Brain Injury: Insights from the American Registry for Migraine Research (ARMR)
Zachary Leibovit-Reiben, BS
Mayo Clinic - Arizona

11:45 am – 11:55 am OR-15: A Case-Control Study of Continuous Headache in Youth with Migraine, Persistent Post-Traumatic Headache, and New Daily Persistent Headache
Carlyn A. Patterson Gentile, MD, PhD
Children’s Hospital of Philadelphia, University of Pennsylvania

Seonkyeong Yang, MS
University of Florida

12:05 pm – 12:15 pm OR-17: Incidence of Status Migrainosus in Olmsted County, Minnesota, United States: Characterization and Predictors of Recurrence
Juliana VanderPluym, MD
Mayo Clinic Arizona

12:15 pm – 1:00 pm DEBATE: Is Inflammation a Mechanism of Migraine?
Chair: Andrew F. Russo, PhD
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Dan Levy, PhD, MSc
Beth Israel Deaconess Medical Center

Andrew C. Charles, MD, FAHS
University of California, Los Angeles

1:00 pm – 2:15 pm Exhibits and Poster Session
Lunch Available for Purchase

1:00 pm – 2:00 pm Industry-Sponsored Event

Setting the Bar Higher: Think You Know DHE? Think Again.
Sponsored by Impel Pharmaceuticals
Not Eligible for CME Credits
Sara E. Sacco, MD
Carolinas Headache Clinic

Deborah I. Friedman, MD, MPH, FAHS
University of Texas Southwestern

2:15 pm – 3:45 pm Scientific Paper Presentations - Session 3
Includes Frontiers in Headache Research Scholarship

2:15 pm – 2:25 pm OR-18: Migraine Classification Using Deep Learning on Structural Brain MRI Data
Mahfuzur Rahman Siddiquee
Arizona State University

2:25 pm – 2:35 pm OR-19: Anxiety and Depressive Symptoms and Disorders in Children and Adolescents with Migraine: A Systematic Review and Meta-Analysis
Serena L. Orr, MD, MSc
Alberta Children’s Hospital

2:35 pm – 2:45 pm OR-20: Validation of Measures of Treatment Expectancy in Children & Adolescents with Headache
Christina L. Szperka, MD, FAHS
Children’s Hospital of Philadelphia

2:45 pm – 2:55 pm OR-21: The Unique Role of Stigma in Migraine-Related Disability and Quality of Life
Elizabeth K. Seng, PhD
Albert Einstein College of Medicine

2:55 pm – 3:05 pm OR-22: Glial Activation in Pain and Emotional Processing Regions in a Mouse Model of Chronic Migraine
Haley C. Cropper, BS
University of Illinois at Chicago

3:05 pm – 3:15 pm OR-23: Examining the Test-Retest Consistency of Sensory Hypersensitivity Measures in Headache Subjects
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Eric Tokita  
*University of Utah*

3:15 pm – 3:25 pm  
**OR-24: Late Response to Anti-CGRP Monoclonal Antibodies Occurs in One-Third of Migraine Patients.**

Piero Barbanti, MD, PhD  
*IRCCS San Raffaele Roma*

3:25 pm – 3:35 pm  
Frontiers in Headache Research Scholarship Presentation  
**Exploring the Neurobiology of the Premonitory Phase of Migraine Preclinically: Possible Involvement of Hypothalamic Kappa Opioid Receptor (KOR) Signaling**

Caroline Kopruszinski, PhD  
*University of Arizona*

3:35 pm – 3:45 pm  
Frontiers in Headache Research Scholarship Presentation  
**Headache Disability in Children and Adolescents Before and During The COVID-19 Pandemic**

Brian LaGrant, MD  
*Children’s Hospital of Philadelphia*

3:45 pm – 5:45 pm  
**PLENARY: What Makes Migraine Worse**

Moderator: Dawn C. Buse, PhD, FAHS  
Chair: Amynah A. Pradhan, PhD

3:45 pm – 3:50 pm  
**Introductions**

Eric A. Kaiser, MD, PhD  
*University of Pennsylvania*

3:50 pm – 4:10 pm  
**Sleep**

Emily Law, PhD  
*University of Washington & Seattle Children’s Hospital*

4:10 pm – 4:15 pm  
Q&A

4:15 pm – 4:35 pm  
**Medication Overuse**

Todd J. Schwedt, MD, MSCI, FAHS  
*Mayo Clinic - Arizona*

4:35 pm – 4:40 pm  
Q&A

4:40 pm – 5:00 pm  
**Obesity**

Dale S Bond, PhD  
*Hartford Hospital/HealthCare*

5:00 pm – 5:05 pm  
Q&A

5:05 pm – 5:25 pm  
**Psychiatric Comorbidities**

Todd A. Smitherman, PhD, FAHS  
*University of Mississippi*

5:25 pm – 5:45 pm  
**Panel Discussion**

5:45 pm – 6:30 pm  
**John R. Graham Award Lecture**
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Introduction: Paul B. Rizzoli, MD, Clinical Director, John R. Graham Headache Center
Veni, Vidi, Ego conatus… In Memory of our Mentors
Peter J. Goadsby, MD, PhD, FAHS
University of California, Los Angeles

6:30 pm – 7:30 pm  Wine and Cheese Reception

Sunday, June 12, 2022

7:00 am – 9:00 am  Registration Desk
7:00 am – 8:00 am  Continental Breakfast
8:00 am – 10:00 am  PLENARY: TBI/Post Traumatic Headache
Moderator: Alan G. Finkel, MD, FAHS
Chair: Catherine D. Chong, PhD, FAHS

8:00 am – 8:05 am  Introductions
Carlyn Patterson Gentile, MD, PhD
Children’s Hospital of Philadelphia

8:05 am – 8:25 am  Possible Mechanisms in the Origins of Post-Traumatic Headache
K.C. Brennan, MD
University of Utah

8:25 am – 8:30 am  Q&A

8:30 am – 8:50 am  Imaging Migraine and Post-Traumatic Headache: Similarities and Differences
Catherine D. Chong, PhD, FAHS
Mayo Clinic - Arizona

8:50 am – 8:55 am  Q&A

8:55 am – 9:15 am  Epidemiology of Post-Traumatic Headache within the Veterans Health Administration
Jason Sico, MD, MHS
Veterans Health Administration

9:15 am – 9:20 am  Q&A

9:20 am – 9:40 am  Clinical Perspective on PTH
Tad Seifert, MD
Norton Healthcare

9:40 am – 10:00 am  Panel Discussion