



**putting the
pieces together
in headache medicine**



**SCOTTSDALE
HEADACHE SYMPOSIUM®**

JW MARRIOTT CAMELBACK INN, SCOTTSDALE ARIZONA
NOVEMBER 17-20, 2022

2022 Scottsdale Headache Symposium® Preliminary Program Agenda

Thursday, November 17, 2022

6:30 am – 7:00 am

Sunrise Yoga

7:00 am – 8:00 am

Committee and Section Meetings

8:00 am – 11:00 am

**Pre-meeting Courses / Special Interest Section
Symposium/Regional Society**

**Career Development for Headache Medicine Specialists –
Opportunities for Collaboration with the American
Academy of Neurology**

*Moderator: Paul G. Mathew, MD, DNBPAS, FAAN, FAHS
Vice-Chair, AAN Headache & Face Pain Section*

8:00 am - 8:05 am

Welcome & Introduction
Paul G. Mathew, MD

8:05 am - 8:25 am

Headache Medicine as a Field: Where Are We Now?
Noah Rosen, MD, FAHS

8:25 am - 8:40 am

Diversity Leadership
Hope L. O'Brien, MD, MBA, FAHS

8:40 am - 8:55 am

Women Leading in Neurology
Amy Hessler, DO

8:55 am - 9:10 am

Palutucci Advocacy and Leadership Forum
David Watson, MD

9:10 am - 9:25 am

Neurology on the Hill
Charles Flippen, MD

9:25 am - 9:40 am	Transforming Leaders Program Roderick Spears, MD, FAHS
9:40 am - 9:55 am	Emerging Leaders Bert Vargas, MD, FAHS
9:55 am - 10:10 am:	Practice Leadership Brad C. Klein, MD, MBA
10:10 am - 11:00 am:	Panel Discussion (all faculty)
8:00 am – 11:00 am	Using Mobile Health Applications to Expand Access to Behavioral, Complementary, and Integrative Headache Interventions: Advances and Practical Application <i>Moderator: Niushen Zhang, MD, FAHS and Michelle Clementi, PhD</i>
8:00 am – 8:40 am	Smartphone-Based Headache Diaries and Lifestyle Applications Rebecca Wells, MD
8:40 am – 9:20 am	Smartphone-Based Behavioral Headache Therapies Cathleen Turnage, PsyD
9:20 am – 10:00 am	Biofeedback for Migraine Using a Smartphone Application and Sensor Mia Minen, MD, MPH
10:00 am - 10:40 am	Pediatric Considerations for Mobile Health Behavioral and CIM Interventions Emily Law, PhD
10:40 am – 11:00 am	Panel Discussion and Q&A
8:00 am – 12:00 pm	Cadaver Course: The Brainstem Revisited* <i>Moderators: Rashmi Halker Singh, MD, FAHS and Steven Bender, DDS, FAHS</i> <i>*Separate registration required; being held offsite at the Mayo Clinic Arizona</i>
8:00 am	Buses Depart/Paperwork at Mayo
9:00 am – 9:15 am	Anatomy Review

Natalie Langley, PhD

9:15 am – 9:35 am Migraine Pathophysiology Review: The Role of the
Brainstem
William Renthal, MD, PhD, FAHS

9:35 am – 9:55 am Role of CGRP in the Cerebellum
Levi Sowers, PhD

9:55 am – 10:00 am Q&A with Speakers

10:00 am – 11:00 am Station Rotation
Faculty: Natalie Langley, PhD, Tanya Rath, MD, William
Renthal, MD, PhD, FAHS and Levi Sowers, PhD

Vascular Review (Circle of Willis)
Sagittal Cut of the Brainstem/Base of Brain and Anatomy
Identification
Axial Cuts of the Brainstem/Base of Brain and Anatomy
Identification
Neuroradiology Correlation of Brainstem/Base of Brain

8:00 am – 2:00 pm

Pre-Meeting Course: Headache 101

*Moderators: Noah Rosen, MD, FAHS and Carrie Dougherty,
MD, FAHS*

8:00 am – 8:05 am Introduction
Noah Rosen, MD, FAHS and Carrie Dougherty, MD, FAHS

8:05 am – 8:40 am Epidemiology and Pathophysiology of Headache
Amynah Pradhan, PhD

8:40 am – 9:10 am Diagnosis of Migraine
Kathleen Digre, MD, FAHS

9:10 am – 9:50 am Acute Treatment of Migraine
Deborah Friedman, MD, MPH, FAHS

9:50 am – 10:30 am Migraine Prevention
Susan Hutchinson, MD

10:30 am - 11:05 am	Diagnosis and Treatment of TACs Claire Sandoe, MD, MS
11:05 am – 11:20 am	Q&A Panel Discussion
11:20 am – 12:05 pm	Lunch
12:05 pm – 12:40 pm	Pediatric Headache Ana Marissa Lagman-Bartolome, MD, FAHS
12:40 pm – 1:10 pm	Behavioral Strategies Stephen Baskin, PhD
1:10 pm – 1:45 pm	Secondary Headaches Not to Miss Andrea Harriott, MD
1:45 pm – 2:00 pm	Q&A Panel Discussion
11:00 am – 2:00 pm	Committee and Section Meetings
12:00 pm – 4:30 pm	Advance Course: Neuropharmacology of Migraine <i>Moderators: Stephen D. Silberstein, MD and Andrew F. Russo, PhD</i>
12:00 pm - 12:05 pm	Introductions
12:05 pm - 12:45 pm	Basic Pharmacology Stephen D. Silberstein, MD
12:45 pm – 1:25 pm	CGRP Receptors Andrew F. Russo, PhD
1:25 pm – 2:05 pm	Biased Agonism Graham Ladds, PhD
2:05pm – 2:30 pm	Break
2:30 pm – 3:10 pm	Intracellular Trafficking & Endosomal Signaling Dane Jensen, PhD
3:10 pm – 3:50 pm	Second Messengers -- cAMP is Not the Only Path, CGRP vs PACAP

	Sarah Christensen, MD
3:50 pm – 4:30 pm	Discussion and Q&A
2:00 pm – 5:00 pm	Pre-Meeting Course: The Bridge
2:00 pm – 2:20 pm	Welcome/Introduction Annika Ehrlich, NP
2:20 pm – 2:40 pm	Migraine Epidemiology, Risk Factors, and Diagnosis Alicia Duyvejonck, NP
2:40 pm – 3:00 pm	Patho Physiology Laura Xanders, NP
3:00 pm – 3:20 pm	Acute Management Karen Williams, DNP
3:20 pm – 3:40 pm	Prevention Management Karissa Secora, PA
3:40 pm – 4:00 pm	Behavioral to Procedural Management Laurel Short, DNP
4:00 pm – 4:20 pm	Woman and Migraine Management Annika Ehrlich, NP
4:20 pm – 4:40 pm	Pediatric Migraine Management Lara Koral, APRN
4:40 pm – 5:00 pm	Case Discussion Annika Ehrlich, NP
5:00 pm – 6:00 pm	Welcome and Exhibitor Reception
6:00 pm – 7:00 pm	Women in Headache Reception
6:00 pm – 7:00 pm	New Member/Fellow/Trainee Reception
7:00 pm – 8:00 pm	Industry-supported Event
<u>Friday, November 18, 2022</u>	
6:30 am – 7:30 am	Runnin' for Research / Miles for Migraine Fun Run*

**Separate registration required. [Register here!](#)*

6:30 am – 7:00 am	Sunrise Yoga
7:00 am – 8:00 am	Continental Breakfast and Exhibits
8:00 am – 8:15 am	Welcome/Opening Remarks
8:15 am - 10:15 am	Plenary I: What's New in.... <i>Moderators: Todd J. Schwedt, MD, MS, FAHS and Deborah Friedman, MD, MPH, FAHS</i>
8:15 am – 8:30 am	Pathophysiology Andrew C. Charles, MD, FAHS
8:30 am – 8:45 am	Acute Migraine Treatment Rashmi Halker Singh, MD, FAHS
8:45 am – 9:00 am	Migraine Prevention Michael M. Marmura, MD, FAHS, FAAN
9:00 am – 9:15 am	Cluster and TACS Peter J. Goadsby, MD, PhD, FAHS
9:15 am – 9:30 am	Trigeminal Autonomic Cephalalgias/Neuralgia in Children Christina L. Szperka, MD, FAHS
9:30 am – 9:45 am	Integrative Treatments Elizabeth Seng, PhD, FAHS
9:45 am – 10:15 am	Q&A Panel Discussion
10:15 am - 10:30 am	Refreshment Break & Exhibits
10:30 am – 12:30 pm	Plenary II: Beyond Primary Headache <i>Moderators: Elizabeth W. Loder, MD, MPH and Christine Lay, MD, FAHS</i>
10: 30 am – 10:55 am	COVID-19 Matthew S. Robbins, MD, FAHS
10:55 am – 11:20 am	Post-traumatic Stress Disorder Gretchen E. Tietjan, MD

11:20 am – 11:45 am	Ehlers Danlos Syndrome and Cranio-cervical Instability Vincent T. Martin, MD
11:45 am – 12:10 pm	Postural Orthostatic Tachycardia Syndrome (POTS) Christopher Oakley, MD
12:10 pm – 12:30 pm	Q&A Panel Discussion
12:30 pm – 1:45 pm	Lunch/Exhibits (available for purchase)
12:30 pm – 1:45 pm	Committee and Section Meetings
12:30 pm – 1:45 pm	Industry-Supported Event
1:45 pm – 2:15 pm	Frontiers in Headache Research Award Lectures <i>Moderator: Jessica Ailani, MD, FAHS</i>
2:15 pm - 2:45 pm	Plenary III Steven B. Graff-Radford Orofacial Pain and Headache Lectureship <i>Moderator: Amrittej Virk, DMD, BDS and Steven Bender, DDS</i>
2:45 pm - 4:45 pm	Plenary IV: By Popular Demand! Peace Love and Rock and Roll: Back to the Future in Headache Treatment <i>Moderators: Merle Diamond, MD and Rashmi Halker Singh, MD, FAHS</i>
2:45 pm – 3:10 pm	Cannabis Nathaniel Schuster, MD
3:10 pm – 3:35 pm	Hallucinogenics Emmanuelle Schindler, MD, PhD
3:35 pm – 4:00 pm	Medication Overuse Headache Todd Schwedt, MD, MS, FAHS
4:00 pm – 4:25 pm	Treatment of Refractory Cases Stephanie J. Nahas, MD, MEd, FAHS
4:25 pm – 4:45 pm	Q&A Panel Discussion
4:45 pm – 6:00 pm	Exhibits/Committee and Section Meetings/View and Vote for Migraine Moment Short Film Contest

6:00 pm – 6:30 pm Special Interest Section Fair

6:30 pm – 7:00 pm Town Hall

7:00 pm – 8:30 pm Industry-Supported Event

Saturday, November 19, 2022

7:00 am - 8:00 am Continental Breakfast and Exhibits

8:00 am – 10:00 am

Plenary V: They're Not Little Adults: Pediatric Headache

Moderators: Hope O'Brien, MD, MBA, FAHS, Christina L. Szperka, MD, FAHS and Christopher Oakley, MD

8:00 am – 8:20 am Migraine Across Development: Young Child to Young Adult
Chaouki K. Khoury, MD, MS

8:20 am – 8:45 am Current Treatment Guidelines: Acute and Preventive
Serena L. Orr, MD, MS

8:45 am – 9:05 am Cognitive Behavioral Therapy, Technology, and Access:
Using an Evidence-based Treatment
Scott W. Powers, PhD, FAHS

9:05 am – 9:25 am Medication Overuse Headache and Continuous Headache
Amy Gelfand, MD, MAS, FAHS

9:25 am – 9:40 am COVID and Headache in Youth
Christina L. Szperka, MD, FAHS

9:40 am – 10:00 am Moderator Summary/Q&A Panel Discussion

10:00 am – 10:15 am Refreshments and Exhibits

10:15 am – 12:00 pm

Plenary VI: Practice Management

Moderators: Susan Hutchinson, MD and Elizabeth Seng, PhD, FAHS

10:15 am – 10:35 am Prior Authorizations
Raissa Villanueva, MD, MPH

10:35 am – 11:15 am Office Safety – Emergent and Non-Emergent
Deborah Friedman, MD, MPH, FAHS and Jessica Ailani, MD, FAHS

11:15 am – 11:30 am	Who's in the Room with You? Consent and Privacy Brad C. Klein, MD
11:30 am – 11:45 am	Handling Expectations While Maintaining Your Mental Health Randolph W. Evans, MD
11:45 am – 12:00 pm	Moderator Summary/Q&A Panel Discussion
12:00 pm – 12:15 pm	Migraine Moment Short Film Contest: 1st Place Winning Video Viewing
12:15 pm – 12:45 pm	Plenary VII: Panel Discussion: Medication Overuse Headache: Controversies and Approaches to Management <i>Moderator: Christine Lay, MD, FAHS</i> Panelists: Todd J. Schwedt, MD, MS, FAHS, Matthew S. Robbins, MD, FAHS, Andrew Hershey, MD, PhD and Kathleen Digre, MD, FAHS
12:45 pm – 1:15 pm	Women's Health Science Award <i>Moderators: Rashmi Halker Singh, MD, FAHS, Huma Sheikh, MD, and Deena Kuruvilla, MD</i>
1:15 pm – 2:15 pm	Lunch (available for purchase) and Exhibits
1:15 pm – 2:15 pm	Committee and Section Meetings
1:15 pm – 2:15 pm	Industry-Supported Event
2:15 pm - 3:45 pm	Concurrent Sessions
2:15 pm – 3:45 pm	CS1: Skills Training <i>Moderators: Wade Cooper, DO, FAHS and Scott W. Powers, PhD, FAHS</i>
2:15 pm – 2:30 pm	OnabotulinumtoxinA Andrew Blumenfeld, MD
2:30 pm – 2:45 pm	Nerve Blocks, Trigger Point Injection (Safety) Carrie Dougherty, MD, FAHS

2:45 pm – 3:45 pm	Hands-On Training Faculty: Annika Ehrlich, MS, NP, RN, Christina L. Szperka, MD, FAHS, Hope L. O'Brien, MBA, FAHS, Larry Charleston IV, MD, MS, FAHS, Jack D. Schim, MD, Claire Sandoe, MD, MS, Ana Marissa Lagman-Bartolome, MD, Cynthia E. Armand, MD, Andrew Blumenfeld, MD, and Carrie Dougherty, MD, FAHS
2:15 pm – 3:45 pm	CS2: Headache 202: Beyond the Basics for Advanced Clinicians <i>Moderators: Rashmi Halker Singh, MD, FAHS and Jennifer Robblee, MD, MSc</i>
2:15 pm – 2:40 pm	Chronic Migraine Rebecca Burch, MD, FAHS
2:40 pm – 3:10 pm	Managing Headache in Patients with Chronic Pain Meredith Barad, MD and Elizabeth Seng, PhD, FAHS
3:10 pm – 3:30 pm	Differentiating Facial Pain Disorders From TACS Tara Renton, PhD
3:30 pm – 3:45 pm	Q&A
2:15 pm – 4:05 pm	CS3: CSF Disorders Case-Based Discussions <i>Moderators: Stephanie J. Nahas, MD, MSED, FAHS and Jill Rau, MD, PhD, MPsy, FRCPC, FAHS</i>
2:15 pm – 2:45 pm	Introduction to High and Low Pressure Disorders Kathleen Digre, MD, FAHS and Wouter Schievink, MD
2:40 pm – 3:00 pm	“MRI-IIH” Deborah Friedman, MD, MPH, FAHS
3:00 pm – 3:20 pm	Suspect SIH – Let’s Find the Leak Linda G. Leithe, MD
3:20 pm – 3:40 pm	IIH with Loss of Vision Marie Di Nome, MD
3:40 pm – 4:00 pm	Pediatric Case – Is It High or Low Pressure? Chaouki K. Khoury, MD, MS
4:05 pm - 4:30 pm	Refreshments and Exhibits

4:30 pm – 6:00 pm Free Time

6:00 pm – 7:00 pm Industry-Supported Event

7:00 pm – 8:30 pm Wine and Cheese Reception

Sunday, November 20, 2022

7:00 am - 8:00 am Continental Breakfast

7:30 am - 8:30 am

Case Presentations

Moderator: Peter J. Goadsby, MD, PhD, FAHS

Faculty: Marcy Yonker, MD, Amy Gelfand, MD, MAS, FAHS, and Rebecca Wells, MD, MPH, FAHS and Robert P. Cowan, MD, FAHS

8:30 am – 10:00 am

Science

Moderators: Amynah Pradhan, PhD and Todd J. Schwedt, MD, MS, FAHS

8:30 am – 8:50 am

Role of CGRP in the Cerebellum
Levi Sowers, PhD

8:50 am – 9:10 am

Transcriptomic Analysis and Headache Medicine
William Renthal, MD, PhD, FAHS

9:10 am – 9:30 am

Blood Brain Barrier
Tally Largent Milnes, PhD

9:30 am – 9:50 am

Sphingosine-1-Phosphate Receptor as a Therapeutic Target for Migraine
Simon Akerman, PhD

9:50 am – 10:00 am

Q&A

8:30 am – 10:00 am

**Advocacy: A Brief Update and Motivating Your Patients
Advocating on Their Own Behalf**

Moderator: Amaal Starling, MD, MS, FAHS

8:30 am – 8:50 am

Underserved
Jessica Kiarashi, MD

8:50 am – 9:10 am	AMF Update Christine Lay, MD, FAHS
9:10 am – 9:30 am	Patient Carrie Dougherty, MD, FAHS
9:30 am – 9:50 am	ADHA Christopher H. Gottschalk, MD, FAHS
9:50 am – 10:00 am	Q&A
8:45 am – 10:00 am	Journal Club <i>Moderators: Rashmi Halker Singh, MD, FAHS and Sarah Bobker, BA, MD</i>
8:45 am – 9:05 am	Year in Review Amy Gelfand, MD, MAS, FAHS
9:05 am – 9:25 am	Other Highlights in Headache Medicine Literature R. Allan Purdy, MD, FAHS
9:25 am – 9:45 am	Diversity, Equity and Inclusion in the Editorial Process Larry Charleston IV, MD, MS, FAHS
9:45 am – 10:00 am	Q&A
10:00 am	Adjourn