

**The American Headache Society's 2019 Scottsdale Headache Symposium®  
Preliminary Program\***

*\*Schedule subject to change*

<b><u>THURSDAY, NOVEMBER 21, 2019</u></b>	
<b>8:00 am – 11:00 am</b>	<p><b>The Anatomy of Headache and Orofacial Pain: An Interventional Based Cadaver Course*</b></p> <p><i>*Presented at Mayo Clinic</i></p> <p>Moderators: Moderators: Paul G. Mathew, MD, DNBPAS, FAHS; Marcela Romero-Reyes, DDS, PhD, FAHS; Rashmi B. Halker Singh, MD, FAHS</p>
8:00 am – 9:00 am	Arrive at Mayo Clinic and Introduction
9:00 am – 9:20 am	Temporomandibular Disorders: Diagnosis and Management Marcela Romero-Reyes, DDS, PhD, FAHS
9:20 am – 9:40 am	Cranial Neuralgias: Nerve Blocks and Other Interventional Procedures Paul G. Mathew, MD, DNBPAS, FAHS
9:40 am – 10:00 am	Expert Panel Discussion  Marcela Romero-Reyes, D.D.S.; Ph.D., Paul G. Mathew, MD, DNBPAS, FAHS; Antonia Teruel DMD, MS, PhD; Rashmi B. Halker Singh, MD, FAHS
10:00 am – 11:00 am	Cadaver Dissection Session Anatomist/Surgeon from Mayo Clinic School of Medicine
<b>8:00 am – 11:00 am</b>	<b>Pre-meeting Courses/Special Interest Section Symposium</b>
	<b>Pre-Course 1: The Art of Headache Medicine with a Journey Through Art History</b>

	<p>Presented by the Great Lakes Regional Headache Society</p> <p>Moderators: Shivang Joshi, MD, MPH, RPH, FAHS; Deborah Reed, MD, FAHS</p>
8:00 am - 8:20 am	<p>Introduction/Art &amp; History in Headache Medicine Shivang Joshi MD, MPH, RPh, FAHS</p>
8:20 am - 8:50 am	<p>Mind Body Medicine: The Art of Healing (Eastern Art) Trupti Gokani, MD</p>
8:50 am - 9:20 am	<p>Art of Reading: What You Don't Want to Miss on Neuroimaging (Impressionism) Laszlo L. Mechtler, MD</p>
9:20 am - 9:50 am	<p>Art of Neuro-Modulation (Modernism) Wade M. Cooper, DO</p>
9:50 am -10:20 am	<p>Lights, Cameras and Visual Snow (Pointillism) Zubair Ahmed, MD</p>
10:20 am -10:45 am	<p>Alice in Wonderland and Other Episodic Headache Syndromes (Surrealism) Ashhar Ali, DO</p>
10:45 am - 11:00 am	<p>Q&amp;A Panel Discussion</p>
	<p><b>Pre-Course 2: Integrating Advanced Practice Providers and Behavioral Therapists into a Headache Practice</b></p> <p>Moderator: Jessica Ailani, MD, FAHS</p>
8:00 am – 8:20 am	<p>Welcome and Introduction Jessica Ailani, MD, FAHS</p>
8:20 am – 8:50 am	<p>What Components Are Needed to Train an APP to See Headache Patients? Brian Grosberg, MD</p>
8:50 am – 9:20 am	<p>The Dollars and Cents of APPs: Hiring Through Billing Brad Klein, MD</p>
9:20 am – 9:40 am	<p>What Components Are Needed for a Physician to Supervise and Document A Patient Seen by APP? Susan Baggaley, FNP-BC, MSN</p>

9:40 am – 10:00 am	How to Create a Schedule Efficiently Incorporating APPs in a Physician-based Practice? Maureen Moriarty, DNP, ANP-BC, FAHS
10:00 am - 10:30 am	The Team-based Approach; Adding Behavioral Therapy to the Practice Dawn Buse, PhD, FAHS
10:35 am – 11:00 am	Q&A with Faculty Panel
	<b>Pre-course 3: Headache 101</b>  Moderator: Rebecca E. Wells, MD, MPH, FAHS
8:00 am – 8:15 am	Introduction Rebecca E. Wells, MD, MPH, FAHS
8:15 am – 8:35am	Welcome to Headache: History and Diagnosis Alan G. Finkel, MD, FAHS
8:35 am – 8:55 am	Pathophysiology Andrew C. Charles, MD, FAHS
8:55 am – 9:20 am	Acute Treatment Jennifer Robblee, BSc, MD, FAHS
9:20 am – 9:45 am	Prevention Barbara Nye, MD, FAHS
9:45 am – 10:05 am	Chronic Migraine Carrie O. Dougherty, MD, FAHS
10:05 am – 10:25 am	Pediatrics Christine L. Szperka, MD, MSCE, FAHS
10:25 am – 10:45 am	Behavioral Steven M. Baskin, PhD
10:45 am – 11:00 am	Q&A
<b>8:00 am – 11:00 am</b>	<b>NP/PA – The Bridge</b>
8:00 am – 8:05 am	Welcome and Introduction Carol A. Barch, MN, FNP-BC
8:05 am – 8:35am	Diagnosis Headache in Adults and Adolescents Melissa Darsey, PA-C, MPAS

8:35 am – 9:05 am	Clinical Course and Barriers to Care in Adults and Pediatrics with Migraine Headaches Annika Ehrlich, MS, FNP-C, CNRN
9:05 am – 9:35 am	Pathophysiology Maureen Moriarty, DNP, APRN, FAHS
9:35 am – 10:05 am	Strategies for Acute Treatment Valerie Lawler MWH, NP-Adult
10:05 am – 10:35 am	Migraine Preventive Treatment Strategies in Adults and Pediatric Patients Carol A. Barch, MN, FNP-BC
10:35 am – 11:00 am	Q&A
<b>12:00 pm – 5:00 pm</b>	<b>Advanced Course: Sleep and Migraine</b>  Co-Chairs: Andrew F. Russo, PhD; Stephen D. Silberstein, MD, FAHS
12:00 pm – 12:40 pm	Circadian Rhythms and Migraine Timothy Houle, PhD
12:40 pm – 1:20 pm	Sleep Glymphatics, TBI Jeff Illif, PhD
1:20 pm – 1:40 pm	Break
1:40 pm – 2:20 pm	CSD, Sleep, Glymphatics Andrew Strassman, PhD
2:20 pm – 3:00 pm	Sleep/Pain/Inflammation, Models Sleep Deprivation Paul L. Durham, PhD
3:00 pm – 3:40 pm	Sleep Disorders, Headache, Pain Emily Law, PhD
3:40 pm - 4:20 pm	Hypothalamus, Sleep, Migraine Overview Rami Burstein, PhD
4:20 pm – 5:00 pm	Q&A
<b>2:00 pm – 5:00 pm</b>	<b>Pre-Course 4: Neuromodulation for the Treatment of Headache Disorders: Applications, Approvals, and Access</b>

	Presented by the Procedural Headache Medicine Special Interest Section  Moderator: Paul G. Mathew, MD, DNBPAS, FAHS
2:00 pm - 2:05 pm	Introduction
2:05 pm - 2:35 pm	Neuromodulation Therapies for the Treatment of TACs Christopher H. Gottschalk, MD, FAHS
2:35 pm - 3:05 pm	Neuromodulation Therapies for the Treatment of Migraine Umer Najib, MD, FAHS
3:05 pm - 3:25 pm	Future of Neuromodulation in Headache Disorders Michael Oshinsky, PhD
3:25 pm - 3:45 pm	Approval and Commercialization of Neuromodulation Devices: The Shocking Truth Paul G. Mathew, MD, FAHS
3:45 pm - 4:00 pm	Panel Discussion/Q&A
7:30 pm – 8:30 pm	Women in Headache Reception
7:30 pm – 8:30 pm	New Member/Fellow/Trainee Reception
<b><u>FRIDAY, NOVEMBER 22, 2019</u></b>	
6:30 am – 7:30 am	5K Fun Run*  Sponsored by Runnin' for Research and Miles for Migraine  <i>*Separate registration required</i>
7:00 am – 8:00 am	Continental Breakfast and Exhibits
<b>8:00 am – 8:15 am</b>	<b>Welcome/Opening Remarks</b>  Kathleen B. Digre, MD, FAHS, President  Stewart J. Tepper, MD, FAHS, Co-chair, Scottsdale Program Planning Committee  Christine L. Lay, MD, FAHS, Co-chair, Scottsdale Program Planning Committee

<b>8:15 am - 10:20 am</b>	<p><b>Plenary I: Migraine: What's New in Diagnosis, Pathophysiology and Treatment</b></p> <p>Moderator: Kathleen B. Digre, MD, FAHS, President</p> <p>Co-moderator: Rashmi B. Halker Singh, MD, FAHS, Scottsdale Program Planning Committee</p>
8:15 am - 8:35 am	<p>Diagnostic Pearls and Pitfalls</p> <p>Elizabeth W. Loder, MD, MPH, FAHS</p>
8:35 am - 9:05 am	<p>Epidemiology from Population to Patient</p> <p>Dawn C. Buse, PhD, FAHS</p>
9:05 am - 9:30 am	<p>Applied Pathophysiology</p> <p>Peter J. Goadsby, MD, PhD, FAHS</p>
9:30 am - 9:50 am	<p>Acute Migraine</p> <p>Christine L. Lay, MD, FAHS</p>
9:50 am - 10:15 am	<p>Prevention</p> <p>Stephanie J. Nahas, MD, MEd, FAHS</p>
10:15 am - 10:20 am	<p>Q&amp;A</p>
10:20 am - 10:50 am	<p>Refreshment Break &amp; Exhibits</p>
<b>10:50 am - 12:40 pm</b>	<p><b>Plenary II: Trigeminal Autonomic Cephalalgias, Secondary Adult and Pediatric Headache Cases and High and Low Pressure Headaches</b></p> <p>Moderator: R. Allan Purdy, MD, FAHS, Immediate Past President</p> <p>Co-moderator: Christine Lay, MD, FAHS, Scottsdale Program Planning Committee</p>
10:50 am - 11:20 pm	<p>TACs</p> <p>Lawrence C. Newman, MD, FAHS; Stewart J. Tepper, MD, FAHS</p>
11:20 am - 11:50 am	<p>Secondary Cases in Pediatric and Adult Headache</p> <p>Amy Gelfand, MD, FAHS; Matthew S. Robbins, MD, FAHS</p>
11:50 am - 12:30 pm	<p>CSF</p> <p>Kathleen B. Digre, MD, FAHS; Deborah I. Friedman, MD, MPH, FAHS</p>

12:30 pm – 12:40 pm	Q&A
12:45 pm – 2:00 pm	Lunch (available for purchase)
12:45 pm – 1:45 pm	Industry-supported Event  <b>A Holistic Assessment of Patient Needs in Migraine Prevention: A Tale of Two Patients</b> <i>Supported by Alder Pharmaceuticals. Session not certified for CME.</i>
<b>2:20 pm – 3:00 pm</b>	<b>Plenary III</b>  Moderator: Marcela Romero-Reyes, DDS, PhD, FAHS, Chair, TMD, Cervical Spine and Orofacial Pain Special Interest Section  Co-moderator: David W. Dodick, MD, FAHS, Chair, American Migraine Foundation
2:20 pm - 2:30 pm	Introduction
2:30 pm -3:00 pm	Special Plenary: Vestibular Migraine Deborah I. Friedman, MD, MPH, FAHS Shin C. Beh, MD
<b>3:00 pm – 5:00 pm</b>	<b>Plenary IV: Vascular Headache Neurobiology, Stroke, Secondary Vascular Headaches and Stroke</b>  Moderator: Amaal J. Starling, MD, FAHS, Migraine and Vascular Disease Special Interest Section  Co-moderator: Matthew S. Robbins, MD, FAHS, Scottsdale Program Planning Committee
3:00 pm – 3:25 pm	Vascular Neurobiology of Migraine Gretchen E. Tietjen, MD
3:25 pm – 3:50 pm	Migraine and Stroke A. Laine Green, MD
3:50 pm – 4:15 pm	Secondary Vascular Andrea Harriott, MD, PhD
4:15 pm – 4:40 pm	Treatment Considerations Hans Christoph Diener, MD, PhD
4:40 pm – 5:00 pm	Q&A

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  <b>Delving Deeper into the Science of Migraine</b> <i>Supported by Amgen®/Novartis. Session not certified for CME.</i>
<b><u>SATURDAY, NOVEMBER 23, 2019</u></b>	
6:30 am – 8:00 am	Continental Breakfast and Exhibits
<b>7:00 am – 8:00 am</b>	<b>Case Presentations</b> Moderator: R. Allan Purdy, MD, FAHS, Immediate Past President  Co-moderator: A. Laine Green, MD, FAHS, Scottsdale Program Planning Committee  Elizabeth W. Loder, MD, MPH, FAHS; Lawrence C. Newman, MD, FAHS; Martin Rutledge, MB, BCh, BAO; Marcy E. Yonker, MD, FAHS
<b>8:00 am – 9:45 am</b>	<b>Plenary V: Cutting Edge/Emerging Therapies</b> Moderator: Andrew C. Charles, MD, Scottsdale Program Planning Committee  Co-moderator: Stephanie J. Nahas, MD, MEd, FAHS, Scottsdale Program Planning Committee
8:00 am – 8:30 am	Monoclonal Antibodies David W. Dodick, MD, FAHS
8:30 am – 9:00 am	Neuromodulation Amaal J. Starling, MD, FAHS
9:00 am – 9:30 am	Neuropharmacology Stephen D. Silberstein, MD, FAHS
9:30 am – 9:45 am	Q&A
9:45 am – 10:00 am	Refreshments and Exhibits
<b>10:00 pm – 11:15 pm</b>	<b>Plenary VI: Chronic/Refractory Headaches</b>  Moderator: Mia T. Minen, MD, FAHS, Chair, Special Interest Sections



	Co-moderator: A. Laine Green, MD, Scottsdale Program Planning Committee
10:00 am – 10:25 am	Cases and Protocol Jessica Ailani, MD, FAHS; Jack D. Schim, MD, FAHS
10:25 am – 10:45 am	Pathophysiology of Chronic Migraine Andrew C. Charles, MD, FAHS
10:45 am – 11:05 am	Behavioral and Non-pharmacological Approaches to Chronic Migraine Treatment Licia Grazzi, MD
11:05 am – 11:15 am	Q&A
<b>11:15 am – 12:00 pm</b>	<b>Plenary VII: Headache Journalism 2018-2019</b>  Moderator: Elizabeth W. Loder, MD, Past President  Co-moderator: Christine L. Lay, MD, FAHS, Scottsdale Program Planning Committee
11:15 am – 11:30 am	Why Bother with Books? R. Allan Purdy, MD, FAHS
11:30 am – 11:45 am	Top 3 Articles from Headache Thomas N. Ward, MD, FAHS
11:45 am – 12:00 pm	Top 3 Articles Not in the Journal <i>Headache</i> ® Christopher H. Gottschalk, MD, FAHS
<b>12:00 pm – 12:30 pm</b>	<b>Women's Health Science Award</b>  Moderator: Todd J. Schwedt, MD, FAHS, Chair, Awards Committee  Co-moderator: Rashmi B. Halker Singh, MD, FAHS, Chair, Women's Issues Special Interest Section  Migraine, Stroke, and Toxic Stress: Where the Research Needs to Go Gretchen E. Tietjen, MD
<b>12:30 pm – 1:00 pm</b>	<b>Frontiers in Headache Research Awards/Presentations</b>  Moderator: Todd J. Schwedt, MD, FAHS, Chair, Awards Committee

1:00 pm – 2:00 pm	Lunch (available for purchase) and Exhibits
1:00 pm – 2:00 pm	Industry-supported Event  <b>Their Time is Now: For Your Patients with One of Two Debilitating Headache Conditions</b> <i>Supported by Lilly, USA. Session not certified for CME.</i>
<b>2:00 pm - 3:45 pm</b>	<b>Concurrent Sessions</b>
	<b>CS1: Injection Training</b> Moderator: Maureen Moriarty, DNP, APRN, Scottsdale Program Planning Committee
2:00 pm – 2:20 pm	OnabotA Andrew Blumenfeld, MD, FAHS
2:20 pm – 2:40 pm	Nerve Blocks Jessica Ailani, MD, FAHS
2:40 pm – 3:45 pm	Hands-on Demonstration  Demonstrators: Jessica Ailani, MD, FAHS; Andrew Blumenfeld, MD, FAHS; Ana Marissa Lagman-Bartolome, MD; Maureen A. Moriarty, DNP, ANP-BC, FAHS; Marcy E. Yonker, MD, FAHS
	<b>CS2: Science</b>  Moderator: Megan Bennett Irby, PhD, Chair, Methodology, Design and Statistical Special Interest Section  Co-moderator: Stewart J. Tepper, MD, FAHS, Scottsdale Program Planning Committee
2:00 pm – 2:05 pm	Introduction
2:05 pm – 2:25 pm	Placebo Rami Burstein, PhD
2:25 pm – 2:45 pm	Imaging Catherine D. Chong, PhD
2:45 pm – 3:05pm	Opioid Receptors and Headache Amynah Pradhan, PhD, FAHS

3:05 pm – 3:25 pm	Statistical Issues in Scientific Research Dana Turner, PhD
3:25 pm – 3:45 pm	Q&A
	<b>CS3: Traumatic Brain Injury</b>  Moderator: Steven M. Baskin, PhD, Post-traumatic Headache Special Interest Section  Co-moderator: A. Laine Green, MD, Scottsdale Program Planning Committee
2:00 pm – 2:05 pm	Introduction
2:05 pm – 2:25 pm	Sideline Evaluation of Head Injury Amaal J. Starling, MD, FAHS
2:25 pm – 2:45 pm	Symptomatic Management of PTH Sylvia Lucas, MD, PhD, FAHS
2:45 pm – 3:05 pm	Traumatic Brain Injury in Pediatric Patients Juliana VanderPluym, MD, FAHS
3:05 pm – 3:25 pm	TBI in the Military Alan G. Finkel, MD, FAHS
3:25 pm – 3:45 pm	Q&A
3:45 pm – 4:00 pm	Refreshments
<b>4:00 pm - 5:30 pm</b>	<b>Concurrent Sessions</b>
	<b>CS4: Behavioral Treatment and Wellness</b>  Moderator: Elizabeth K. Seng, MD, Chair, Behavioral Issues Special Interest Section  Co-Moderator: Steven M. Baskin, PhD, Post-traumatic Headache Special Interest Section
4:00 pm – 4:05 pm	Introduction
4:05 pm – 4:25 pm	Promoting Wellness Dawn C. Buse, PhD, FAHS
4:25 pm – 4:45 pm	Pediatric Behavioral Treatment Licia Grazzi, MD

4:45 pm – 5:05 pm	Wellness in the Office Rebecca E. Wells, MD, MPH, FAHS
5:05 pm – 5:30 pm	Q&A
	<b>CS5: Women's Health</b>  Moderator: Rebecca Burch, MD, FAHS, Chair, Migraine and Vascular Disease Special Interest Section  Co-moderator: Rashmi B. Halker Singh, MD, FAHS, Scottsdale Program Planning Committee
4:00 pm – 4:05 pm	Introduction
4:05 pm – 4:25 pm	Gender Issues Barbara Nye, MD, FAHS
4:25 pm – 4:45 pm	Hormones and Headache Paru S. David, MD
4:45 pm – 5:05 pm	Pregnancy and Post-partum Headache Katherine Hamilton, MD
5:05 pm – 5:25 pm	Abuse and Headache Gretchen E. Tietjen, MD
5:25 pm – 5:30 pm	Q&A
	<b>CS6: TACs and Other Primary Headaches</b>  Moderator: Shivang Joshi, MD, MPH, Chair, Trigeminal Autonomic Cephalalgias Special Interest Section  Co-moderator: Stephanie Nahas, MD, Scottsdale Program Planning Committee
4:00 pm – 4:05 pm	Introduction
4:05 pm – 4:25 pm	Cluster Headache Update Christopher H. Gottschalk, MD, FAHS
4:25 pm – 4:45 pm	Cranial Neuralgias and SUNCT Claire Sandoe, MD, MSc
4:45 pm – 5:05 pm	Hemicrania Continua Peter J. Goadsby, MD, PhD, FAHS

5:05 pm – 5:30 pm	Q&A
5:30 pm – 6:30 pm	Industry-supported Event  <b>AJOVY Panel Review Symposium</b> <i>Supported by Teva Pharmaceuticals. Session not certified for CME.</i>
7:00 pm – 8:30 pm	Wine and Cheese Reception
<b><u>SUNDAY, NOVEMBER 24, 2019</u></b>	
7:00 am – 8:00 am	Continental Breakfast
<b>8:00 am – 9:00 am</b>	<b>Case Presentations</b>  Moderator: Andrew C. Charles, MD, FAHS, Scottsdale Program Planning Committee  Kathleen B. Digre, MD, FAHS; Morris Levin, MD, FAHS; Sylvia Lucas, MD, PhD, FAHS; Hans Christoph Diener, MD, PhD
<b>9:00 am – 11:30 am</b>	<b>Advocacy</b>  Moderator: Todd J. Schwedt, MD, MSCI, FAHS, Board of Directors
9:00 am – 9:05 am	Introduction
9:05 am – 9:30 am	Legislative Advocacy and Research Robert E. Shapiro, MD, PhD, FAHS
9:30 am – 9:55 am	Incorporating Advocacy in Your Practice Amaal J. Starling, MD, FAHS
9:55 am – 10:20 am	Patient Perspective Rachel Koh
10:20 am – 10:45 am	Partnership for Progress Audrey Craven
10:45 am – 11:10 am	American Migraine Foundation Nim Lalvani
11:10 am – 11:30 am	Q&A
<b>9:00 am – 11:00 am</b>	<b>Injection Training</b>

	<p>Moderator: Paul Mathew, MD, DNBPAS, FAHS, Chair, Procedural Headache Medicine Special Interest Section</p> <p>Co-moderator: Rashmi B. Halker, MD, FAHS, Scottsdale Program Planning Committee</p>
9:00 am – 9:20 am	<p>OnabotA Andrew Blumenfeld, MD</p>
9:20 am – 9:40 am	<p>Nerve Block Rashmi B. Halker Singh, MD, FAHS</p>
9:40 am – 11:00 am	<p>Hands-on Demonstration</p> <p>Demonstrators: Andrew Blumenfeld, MD, FAHS; Rashmi B. Halker Singh, MD, FAHS; Ana Marissa Lagman-Bartolome, MD; Paul Mathew, MD, DNBPAS, FAHS; Maureen A. Moriarty, DNP, ANP-BC, FAHS; Christina L. Szperka, MD, MSCE, FAHS</p>
<b>9:00 am – 11:00 am</b>	<p><b>Pediatric-Adolescent Headache</b></p> <p>Moderator: Amy Gelfand, MD, FAHS, Chair, Pediatric-Adolescent Headache Special Interest Section</p>
9:00 am – 9:05 am	<p>Introduction</p>
9:05 am – 9:30 am	<p>Challenges of the Adolescent Marcy E. Yonker, MD, FAHS</p>
9:30 am – 9:55 am	<p>CHAMP and the Issues of Pediatric Trials Amy Gelfand, MD, FAHS</p>
9:55 am – 10:20 am	<p>Challenging Cases in Pediatrics Paul Winner, DO, FAHS</p>
10:20 am – 10:45 am	<p>Challenges of New Therapies Juliana VanderPluym, MD, FAHS</p>
10:45 am – 11:00 am	<p>Q&amp;A</p>