



# 33rd ANNUAL MEETING & PRECONFERENCES

Preliminary Program

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## Pain as a Public Health Issue

**Loews Sapphire Falls Resort at  
Universal Orlando™ | Orlando, FL**

**PRECONFERENCE SESSIONS: MARCH 15–16, 2017**

**ANNUAL MEETING: MARCH 16–19, 2017**

**EXHIBITS: MARCH 16–18, 2017**

### A MESSAGE FROM AAPM'S PRESIDENT



It is my pleasure as president of the American Academy of Pain Medicine (AAPM) to invite you to attend the AAPM 33rd Annual Meeting & Preconferences, March 15–19, 2017, in Orlando, FL.

The meeting theme—*Pain as a Public Health Issue*—emphasizes the extent to which pain affects our population, with more than 100 million Americans suffering from pain, and the pressing need for pain medicine clinicians to address this major public health burden through evidence-based treatments and practice.

To that end, the 2017 AAPM Annual Meeting Program Committee—chaired by Vitaly Gordin, MD, and Kayode A. Williams, MD MBA—selected presentations from more than 100 session proposals to create the **must-attend educational program of the year for all clinicians treating patients in pain**. AAPM's 33rd Annual Meeting & Preconferences will feature expert faculty from around the country presenting more than 40 hours of pain medicine education.

What makes AAPM different from other organizations is our multidisciplinary nature, with members and meeting attendees representing a wide spectrum of specialties and medical professions. This diversity drives meaningful discussions and creates ample opportunities to network within the pain medicine community. View page 4 for additional details about how you can network with your colleagues during the meeting.

The Loews Sapphire Falls Resort at Universal Orlando™ is the perfect meeting destination. Located just 20 minutes from the Orlando International Airport, the brand-new resort hosts an expansive onsite pool, beautiful guest rooms, and restaurants, making this the perfect meeting to bring your family to. Learn more about Orlando and resort amenities and activities, including exclusive access to Universal Orlando™ theme parks and attractions, on page 5.

Be sure to register and book your hotel room early. Visit [www.painmed.org](http://www.painmed.org) for the latest information about the meeting.

I look forward to seeing you in Orlando in March.

Sincerely,

Daniel B. Carr, MD

President, American Academy of Pain Medicine

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### 2017 AAPM ANNUAL MEETING PROGRAM COMMITTEE

Special thanks to the members of the AAPM Annual Meeting Program Committee who volunteered their time, energy, and expertise in developing the AAPM 33rd Annual Meeting & Preconferences. Visit [www.painmed.org](http://www.painmed.org) for a full list of committee members and abstract reviewers.



Vitaly Gordin, MD  
Co-Chair



Kayode A. Williams, MD MBA  
Co-Chair



James C. Watson, MD  
Scientific Poster Abstract  
Chair

### IMPORTANT DATES

#### November 7, 2016

Registration and housing opens. Register early to save with early-bird and join-and-register discounts. Learn more on page 5.

AAPM has secured a limited number of hotel rooms at the host resort, the Loews Sapphire Falls at Universal Orlando™, at a discounted group rate for meeting attendees.\*

#### January 26, 2017

Early-bird registration deadline.

Save \$100 on registration with the early-bird discount.

#### February 10, 2017

Housing reservation deadline. Secure your space at the host resort by booking early!\* Book your room online at [www.painmed.org/annualmeeting](http://www.painmed.org/annualmeeting) or by calling 877.819.7884.

#### March 6, 2017

Advance registration deadline. Save time and money by registering for the meeting in advance online or over the phone. After the advance registration deadline, only in-person, on-site registration is available and prices increase by \$25.

AAPM nonmembers, March 6 also is your last chance to capitalize on join-and-register pricing. See page 5 to determine whether you qualify for AAPM membership.

\*AAPM recommends that attendees reserve their hotel rooms as early as possible. Space is limited and provided on a first-come, first-served basis. After the February 10, 2017, cutoff date—or once the AAPM room block has been filled—other rates may apply and availability is not ensured.

## Who Should Attend

All medical clinicians treating patients in pain are encouraged to attend the AAPM 33rd Annual Meeting & Preconferences. The program has been designed by a multidisciplinary, multimodal committee of experts for a primary audience of physicians whose scope of practice is targeted at the practice of pain medicine, as well as an additional audience of affiliated nonphysician healthcare professionals, including nurses, nurse practitioners, physician assistants, physical therapists, psychologists, and pharmacists, who are part of the multidisciplinary pain management team.

## Objectives & Desired Outcomes

### Overall Meeting Objectives

- Present recent advancements in research, clinical best practices, patient management, practice management, and the diagnosis and treatment of patients in pain to pain medicine clinicians.
- Provide a forum for pain medicine clinicians to exchange ideas in a multidisciplinary, multimodal environment to address the public health issue of pain and improve participant knowledge, competence, practice, and patient outcomes.

### Learning Objectives

After attending the meeting, participants should be better able to

- assess and treat patients suffering from acute, chronic, and cancer pain through the use of evidence-based, integrative pain management strategies that emphasize patient safety and improve patient outcomes.
- discuss the most up-to-date scientific developments and clinical best practices in the field of pain medicine.
- apply a multidisciplinary team, biopsychosocial approach to treating pain patients.

### Desired Outcomes

- Maintain a knowledgeable and competent workforce of pain medicine and primary care clinicians.
- Improve the safety of acute and chronic pain treatment protocols.
- Decrease the rate of opioid- and pain analgesic-related adverse events.
- Improve functional pain outcomes through the use of patient-centered treatment plans.

### Disclaimer

Meeting schedules and faculty are subject to change and cancellation. If AAPM must cancel a meeting event or session, registrants will receive a full credit or refund, minus a processing fee of \$25. AAPM is not liable for any other loss, cost, or expense, however caused, incurred, or arising from cancellation.

### Americans with Disabilities Act

AAPM wishes to ensure that no individual with a disability is excluded, denied services, segregated, or otherwise treated differently from other individuals because of the absence of auxiliary aids and services. If you require any of the auxiliary aids or services identified in the Americans with Disabilities Act to attend any AAPM program, please contact the AAPM Member Services Team by phone at 847.375.4731 or by e-mail at [info@painmed.org](mailto:info@painmed.org) in advance so special requests may be met.

### Support a Fellows Scholarship

Join the Academy in supporting future thought leaders in the field of pain medicine by donating to the AAPM Fellows Scholarship Program. Your gift enables a worthy Fellow to participate in the Annual Meeting and assists him or her on a path to becoming an established pain specialist.

## Continuing Medical Education Information Physician Accreditation Statement

AAPM is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education (CME) for physicians.

AAPM designates this live activity for a maximum of 35.25 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

- 33rd Annual Meeting ..... up to 17.25 credits
- *Essential Tools for Treating the Patient in Pain*<sup>™</sup> Preconference..... 9 credits
- Opioid and Non-Opioid Medications Management: Filling in the Gaps, Prescribing for the Whole Patient Preconference..... 6.5 credits
- Advanced Clinical Skills for Low Back Pain: A Hands-On Workshop ..... 2.5 credits
- World Academy of Pain Medicine Ultrasonography (WAPMU) Ultrasound/Cadaver Preconference .....9 credits  
*Dannemiller is the accredited provider of record and will provide CME for this WAPMU program.*
- SAFE Opioid Prescribing Preconference..... 3.5 credits  
*pmiCME is the accredited provider of record and will provide CME for this program.*

Attendees cannot receive credit for simultaneous sessions. The greatest number of credits that can be earned by combining the Ultrasound/Cadaver or *Essentials*<sup>™</sup> Preconference, Medications Management Preconference, SAFE Opioid Prescribing Preconference, Low Back Pain Workshop, and AAPM 33rd Annual Meeting is 38.75 CME credits.

### American Academy of Family Physicians (AAFP)

Applications for AAFP CME credit for the Annual Meeting, the *Essentials*<sup>™</sup> Preconference, the Medications Management Preconference, and the Low Back Pain Workshop will be filed with AAFP. Determination of credit is pending.

### Physician Assistants

The American Academy of Physician Assistants (AAPA) accepts *AMA PRA Category 1 Credit*<sup>™</sup> from organizations accredited by the ACCME.

### Nursing Credits

This activity will be submitted to the American Association of Neuroscience Nurses (AANN) for approval to award contact hours. AANN is accredited as an approver of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation. Nursing credit only will be offered for the AAPM 33rd Annual Meeting.

### Not an AAPM Member?

Consider joining the Academy and become part of a distinct multidisciplinary organization treating today's patient in pain. See page 5 for membership details and join-and-register discounted rates.



## ABOUT THE MEETING



## NETWORKING ACTIVITIES

### AAPM 33rd Annual Meeting Receptions

**Welcome Reception: Thursday, March 16, 6–7:30 pm**

**AAPM 33rd Annual Meeting Reception: Friday, March 17, 6–7:30 pm**

Join AAPM leadership, fellow meeting attendees, and industry partners during evening receptions in the Resource Center. Receptions provide an excellent opportunity to socialize and network with colleagues, view more than 150 scientific poster abstracts featuring the latest pain research, and learn about the newest technologies and products to improve your practice and patient care.

### NEW! Meet the Faculty

**Friday, March 17, 10:15–10:45 am, 3–3:30 pm**

**Saturday, March 18, 9:30–10 am**

New in 2017, AAPM is excited to feature Meet the Faculty events during meeting breaks. Plan to attend for the opportunity to get your questions answered by pain medicine experts and to engage in discussion with fellow meeting attendees. Meet the Faculty events will take place in the Resource Center.

### AAPM Shared Interest Groups (SIGs)

Meeting registrants are invited to participate in SIG meetings, offering an opportunity for attendees to connect with a niche community of practitioners who share similar interests. Meeting times and locations will be posted at [www.painmed.org](http://www.painmed.org) when available. SIGs include

- Acute Pain Medicine
- Primary Care
- Interdisciplinary Pain Medicine
- Regenerative Pain Medicine
- Military/Veterans Affairs (VA)
- Resident Fellow Education
- Pain Psychology

### Easily Identify Colleagues with Similar Interests

The AAPM Annual Meeting is the must-attend meeting of the year because it brings together a multimodal, multidisciplinary group of pain medicine clinicians. New this year, badge ribbons will help attendees identify colleagues with similar backgrounds and interests to facilitate networking. Visit the ribbon kiosk at Registration and select ribbons to help you connect with your peers.

### Connect Through Social Media and the AAPM Annual Meeting App

Use the AAPM Annual Meeting mobile app and follow AAPM on Facebook, Twitter, and LinkedIn using #PainMed2017 to connect with other meeting attendees and for the latest 33rd Annual Meeting news and updates.

### Special Event: *Pain Medicine Journal* & National Institutes of Health (NIH): How to Succeed as an Academic Clinical Pain Researcher

**Sunday, March 19, 2017, 7–7:45 am**

Learn how to succeed as a pain researcher by writing compelling research grant proposals and eye-catching manuscripts. Expert pain medicine researchers; the editor of AAPM's journal, *Pain Medicine*; and NIH representatives will present invaluable tips and strategies on how to get your research projects funded and published during this special networking event.

## AAPM Resource Center

The AAPM Resource Center is the place to network with fellow meeting attendees and industry partners in a dynamic and synergistic atmosphere. At the Resource Center, you can

- enjoy complimentary beverages and network with colleagues during meeting breaks (twice daily) and evening receptions.
- continue your education by viewing more than 150 poster presentations.
- visit the AAPM booth to learn more about membership, education products, and the *Pain Medicine* journal.
- meet more than 100 exhibitors presenting the latest information that will benefit your practice and patients and compare relevant products and services in one convenient place.
- relax and recharge in the AAPM Lounge.

Want to exhibit or know a company that should be exhibiting? Go to [www.painmed.org/annualmeeting](http://www.painmed.org/annualmeeting) or e-mail [info@painmed.org](mailto:info@painmed.org).

### Resource Center Schedule

**Thursday, March 16 . . . . . 6–7:30 pm**

**Friday, March 17 . . . . . 10–11 am  
2:30–7:30 pm**

**Saturday, March 18 . . . . . 9–10:15 am**

## REGISTRATION\*

Register online at [www.painmed.org/annualmeeting](http://www.painmed.org/annualmeeting) or complete and return the enclosed registration form by mail or fax. Call 847.375.4731 to register over the phone. Register by January 26, 2017, to take advantage of early-bird pricing. Advance registration is available until March 6, 2017. After this date you must register on-site at the Annual Meeting. Please note that there will be an additional \$25 charge for attendees registering on-site.

### Join-and-Register

AAPM members receive reduced registration rates to the Annual Meeting. Members consistently rank the Annual Meeting as one of the most important benefits of their membership. **Not a member? Join today to take advantage of special join-and-register rates and become part of the premier association for pain.\* Be sure to register by the advance registration deadline, March 6, 2017, to enjoy reduced join-and-register pricing!**

### Registration Cancellation Policy

All cancellations must be submitted in writing. A \$100 processing fee applies to all cancellations. All refunds will be processed after the Annual Meeting. Refunds will not be made on cancellations post-marked after February 16, 2017.

### Membership Categories

**Active Physician Members:** Physicians (MDs or DOs) who have an unrestricted license to practice medicine in the United States or Canada. These physicians spend a significant portion of their professional activities within the field of pain medicine or related disciplines.

**Affiliate Members:** Nonphysician healthcare professionals involved in the direct care of patients with pain or whose principal professional responsibilities support the field of pain management.

**Resident and Trainee Members:** Residents or Fellows enrolled and in good standing in a program approved by either the Accreditation Council for Graduate Medical Education or the American Osteopathic Association at an institution within the United States or Canada.

**Student Members:** Graduate-level students enrolled and in good standing in an accredited program in the United States or Canada, leading to licensure, certification, or registration in a clinical healthcare profession that is involved in the direct care of patients with pain.

### There are three easy ways to join-and-register:

1. Visit [www.painmed.org/membercenter](http://www.painmed.org/membercenter).
2. Call AAPM Member Services at 847.375.4731.
3. Complete the enclosed registration form and membership application forms and submit them by mail (AAPM Annual Meeting, PO Box 3781, Oak Brook, IL 60522) or fax (847.375.6477).

### In addition to reduced-price meeting registration, AAPM members enjoy the following benefits:

- A subscription to *Pain Medicine*, a monthly peer-reviewed indexed journal.
- Reduced member pricing on on-demand education products.
- A subscription to *AAPM e-News*, a biweekly e-newsletter with the most current information on pain medicine.
- Access to an online library of pain medicine resources, position statements, and coding information.
- Access to AAPM's Career Center.

*\*Individuals who are affiliated with a pharmaceutical company; device manufacturer; medical, healthcare education, or communications company; screening lab; or other AAPM sponsor or exhibitor are not eligible for join-and-register rates. Industry attendees must register at the industry rate regardless of membership status.*

## TRAVEL DETAILS

### Orlando, FL

Orlando is one of the world's most popular travel destinations, and it's no surprise why. The city is accessible by all major airports and is home to expansive theme parks and entertainment venues, including Universal Orlando™, the site of AAPM's 2017 Annual Meeting. This is a meeting that your entire family will want to attend.

### Meeting Location

The Loews Sapphire Falls Resort at Universal Orlando™ has been chosen as the headquarters hotel for the AAPM 2017 Annual Meeting.

### Loews Sapphire Falls Resort

6601 Adventure Way  
Orlando, FL 32819  
Tel: 407.503.5000

The Caribbean-inspired Loews Sapphire Falls Resort will transport you to paradise, providing an island escape in the heart of all the fun and excitement Universal Orlando™ has to offer. Opened in the summer of 2016, every comfort has been built into this brand new resort.

**A block of rooms will be held at the Loews Sapphire Falls Resort until February 10, 2017, at a special group rate of \$235 per night (single or double occupancy).** This special rate will apply until the cutoff date or when the room block is filled; at that point, other rates may apply.

**Book your room online at [www.painmed.org/annualmeeting](http://www.painmed.org/annualmeeting) or over the phone by calling 877.819.7884.**



### Exclusive Resort Offers

Loews Sapphire Falls Resort guests enjoy the following Universal Orlando™ exclusive benefits:

- Early admission to The Wizarding World of Harry Potter™ (valid theme park admission required).
- Complimentary shuttle buses, water taxis, and walking paths to Universal Orlando™ theme parks and Universal City Walk™.
- Access to Golf Universal Orlando program.

### Travel

The Loews Sapphire Falls Resort is located approximately 15 miles from the Orlando International Airport (MCO). Visit the Orlando International Airport website, [www.orlandoairports.net](http://www.orlandoairports.net), for additional information.

# SCHEDULE AT A GLANCE

## WEDNESDAY, MARCH 15 | PRECONFERENCE SESSIONS

7 am–Noon	<b>FEE</b> <i>Essential Tools for Treating the Patient in Pain™—Part 1 of 2 (PME)</i> <b>FEE</b> WAPMU Ultrasound/Cadaver Preconference—Part 1 of 2 (001)
Noon–1 pm	Lunch Break (Not Provided)
1–5 pm	<b>FEE</b> <i>Essential Tools for Treating the Patient in Pain™—Part 2 of 2 (PME)</i> <b>FEE</b> WAPMU Ultrasound/Cadaver Preconference—Part 2 of 2 (001)
6–9 pm	<b>FEE</b> Opioid and Non-Opioid Medications Management: Filling in the Gaps, Prescribing for the Whole Patient—Part 1 of 2 (002)

## THURSDAY, MARCH 16 | PRECONFERENCE SESSIONS

8–11:30 am	<b>FEE</b> Opioid and Non-Opioid Medications Management: Filling in the Gaps, Prescribing for the Whole Patient—Part 2 of 2 (002)
11:30 am–Noon	Potential AAPM-Provided Lunch
Noon–1 pm	Potential Satellite Symposium
1:15–4:45 pm	SAFE Opioid Prescribing Program (003) <b>FREE EVENT</b>

## THURSDAY, MARCH 16 | ANNUAL MEETING SESSIONS

5–6 pm	<b>Opening Session and Award Presentations (101)</b> Mobilizing Societies, Healthcare Systems, and Pain Clinicians in Advocating for Quality Patient Care: Lessons Learned from Washington State
6–7:30 pm	<b>Welcome Reception</b> <b>Exhibits &amp; Poster Sessions (Group 1)</b>

## FRIDAY, MARCH 17 | ANNUAL MEETING SESSIONS

6:30–7 am	<b>Potential AAPM-Provided Breakfast</b>
7–8 am	<b>Potential Satellite Symposium</b>
8:15–9:15 am	<b>General Session I and Award Presentations (102)</b> President's Opening Remarks/Philipp M. Lippe Award & Distinguished Service Award Presentations/Keynote Address
9:15–10 am	<b>General Session II and Award Presentations (103)</b> Pain Medicine Fellowship Excellence Awards Presentation/Plenary Research Highlights
10–11 am	<b>NETWORKING BREAK</b> <b>Exhibits &amp; Poster Sessions (Group 1)</b> <b>Meet the Faculty: 10:15–10:45 am</b>
11 am–Noon	<b>CONCURRENT SESSIONS</b> Beyond Acute Opioid Tapering: Medical and Behavioral Associations of Latent Opioid Withdrawal (201) Poster Research Highlights (202) The State of Evidence-Based Stem Cell and Platelet-Rich Plasma (PRP) Therapy for Degenerative Musculoskeletal and Spine Conditions (203)
Noon–12:30 pm	<b>Potential AAPM-Provided Lunch</b>
12:30–1:30 pm	<b>Potential Satellite Symposium</b>
1:45–2:45 pm	<b>CONCURRENT SESSIONS</b> Addressing the Opioid Crisis While Treating Acute Pain: Strategies for Optimal Care (204) Empower Veterans Program (EVP): Innovative Integrated Self-Care Well-Being Training (205) Central Neuropathic Pain Syndromes: Unique Features and Emerging Treatments (206)
2:45–3:45 pm	<b>NETWORKING BREAK</b> <b>Meet the Faculty: 3–3:30 pm</b> <b>CONCURRENT SESSIONS</b>
3:45–6 pm	Practice Management Workshop: Tools to Thrive in an Era of Healthcare Transformation (210)
3:45–4:45 pm	Advocacy for Pain Medicine on Capitol Hill During the Current Opioid Crisis (207) Addressing Safe Prescribing Competencies in Health Professions Curricula (208) Fibromyalgia and Other Functional Pain Syndromes: Pathophysiology, Assessment, and Management (209)
4:45–5 pm	<b>NETWORKING BREAK</b>
5–6 pm	<b>CONCURRENT SESSIONS</b> Opioid Prescribing Guidelines: Practical and Ethical Considerations with Clinical Pearls for PCP and Specialty Pain Management (211) Evaluation of Interdisciplinary Functional Restoration Programs—Peri-Op to Primary Care: Is the Juice Worth the Squeeze? (212) Updates and Controversies in Radiofrequency Denervation and Anticoagulation Therapy for Interventional Pain Medicine (213)
6–7:30 pm	<b>AAPM 33rd Annual Meeting Reception</b> <b>Exhibits &amp; Poster Sessions (Group 2)</b>
7–9:30 pm	<b>FEE</b> <b>Special Evening Session: Advanced Clinical Skills for Low Back Pain: A Hands-On Workshop (004)</b>

**SATURDAY, MARCH 18 | ANNUAL MEETING SESSIONS**

6:30–6:45 am	<b>Potential AAPM-Provided Breakfast</b>
6:45–7:45 am	<b>Potential Satellite Symposium</b>
8–9:15 am	<b>General Session III and Award Presentations (104)</b> Robert G. Addison Award & Patient Advocacy Award Presentations Behavioral and Self-Management Resources for Immediate Implementation: Align Your Practice with the National Pain Strategy
9:15–10:15 am	<b>NETWORKING BREAK</b> <b>Exhibits &amp; Poster Sessions (Group 2)</b> <b>Meet the Faculty: 9:30–10 am</b>
10:15–11:45 am	<b>CONCURRENT SESSIONS</b> Neuropathic Pain: Still Unrecognized and Undertreated: Where Are We in 2017? (301) Complex Regional Pain Syndrome: Proper Diagnosis Leads to Appropriate Treatment Including Ketamine and Neuromodulation: Do Different Subtypes Require Different Treatment Algorithms? (302) Contemporary Strategies for Intrathecal Drug Delivery: Polyanalgesic Consensus Guidelines, Efficacy, Safety, and Cost Effectiveness (303)
11:45 am–12:15 pm	<b>Potential AAPM-Provided Lunch</b>
12:15–1:15 pm	<b>Potential Satellite Symposium</b>
1:30–2:30 pm	<b>CONCURRENT SESSIONS</b> Comprehensive Pain Management in the Department of Defense (DoD): A Public Health Approach to Ease the Pain Burden Among America's Warriors (304) Behavioral Health and Pain Education Interventions: Helping Patients Understand and Change Their Pain (305) Obesity Management in Interventional Pain Practice (306)
2:30–2:45 pm	<b>NETWORKING BREAK</b>
	<b>CONCURRENT SESSIONS</b>
2:45–6 pm	AAPM Pain Psychology Task Force: Behavioral Pain Management Training for Healthcare Professionals (310)
2:45–4:15 pm	A 4-Dimensional Response to the Opioids Crisis: Health Care Policy, Clinical Practice, Community Education, and Law Enforcement (307) American Headache Society: Chronic Migraine Education Program (308) Innovations in Neuromodulation and Evidence-Based Review: How to Apply Them to Your Clinical Practice (309)
4:15–4:30 pm	<b>NETWORKING BREAK</b>
4:30–6 pm	<b>CONCURRENT SESSIONS</b> Preventing Pain Chronification After Amputation and Nerve Injury: Military Significance, Diagnostic Advancements, and Novel Analgesic Pathways (311) Collaborative Health Outcomes Information Registry (CHOIR): Treatment Lessons Learned (312) Managing Challenging Headaches: Evidence-Based Medicine and the Roles of IV Infusions, Nerve Blocks, Neuromodulation, and Behavioral Therapy (313)

**SUNDAY, MARCH 19 | ANNUAL MEETING SESSIONS**

7–7:45 am	<b>Special Event: Pain Medicine Journal and National Institutes of Health (NIH): How to Succeed as an Academic Clinical Pain Researcher</b> This is not a CME program.
8–9:30 am	<b>CONCURRENT SESSIONS</b> Interpreting and Using Laboratory Tests for Pain Management Patients Correctly: Interactive Case Studies (401) Embracing the Porcupine of Change: A Practical Toolkit for Difficult Conversations About Opioids (402) Conundrums in Palliative Medicine: Managing Difficult Symptoms and Managing the Patient with Aberrant Opioid Behavior (403) Optimizing Clinical Practice: Interprofessional Perspectives on Assessing Pain More Effectively (404)
9:30–9:45 am	<b>NETWORKING BREAK</b>
9:45–10:45 am	<b>CONCURRENT SESSIONS</b> Research Update on Controversies in Pain Medicine: A Pearls Session (405) Oncologic Pain Medicine: Cancer Pain Syndromes and Treatment Paradigms (406) Ketamine for Chronic Pain: Panacea or Snake Oil? (407) Pain and the Reward Pathway: Preclinical Studies on the Impact of Pain on Opioid-Seeking Behavior (408)
10:45–11 am	<b>NETWORKING BREAK</b>
11 am–Noon	<b>CONCURRENT SESSIONS</b> Pain Medicine and Physician Payment Reform: Must-Know Facts Regarding MIPS, MACRA, and the Future of Your Reimbursement (409) Safe Opioid Prescribing and Risk Mitigation Practices in Pediatrics (410) Preventing Inpatient Sentinel Events While Controlling Pain (411)



## WAPMU ULTRASOUND/CADAVER PROGRAM (001)\*

### Comprehensive Ultrasound-Guided Procedures for the Pain Practitioner: Cadaver-Based Training of Neurological, Musculoskeletal, and Regenerative Procedures

Back by popular demand, the World Academy of Pain Medicine Ultrasonography (WAPMU) is again collaborating with AAPM to offer an advanced ultrasound/cadaver preconference program. The target audience for this program includes pain medicine, orthopedic, sports medicine, physical medicine and rehabilitation, radiologists, and family medicine specialists interested in expanding and improving their knowledge and techniques of ultrasound-guided pain procedures and the use of regenerative medicine in the healing of musculoskeletal injuries. Attendees will be led by expert faculty during this hands-on cadaver program featuring lower extremity musculoskeletal and nerve ultrasonography, ultrasound and regenerative medicine, and spinal and sympathetic chain ultrasonography procedures.

#### Co-Chairs

Mark Hurdle, MD  
Matthew Pingree, MD

#### Faculty

Stephan Esser, MD  
Michael Gofeld, MD  
Amitabh Gulati, MD  
David Spinner, DO

#### Agenda, Wednesday, March 15

6:45–7 am  
Registration

Noon–1 pm  
Break

7 am–Noon  
Cadaver Laboratory Rotation  
Training

1–5 pm  
Cadaver Laboratory Rotation  
Training



#### LECTURE TOPICS & CADAVER LABORATORY TRAINING ROTATIONS

##### Station 1—Lumbar, Cervical, & Thoracic Spine 2 hours

Attendees will review and practice the following procedures in station 1:

**Neck, Cervical Sympathetic Trunk:** Cervical medial branch, cervical nerve roots, stellate ganglion, suprascapular n. ventral

**Pelvic, Lumbar/Sacral Area:** Caudal, SIJ, piriformis muscle, pudendal nerve, lumbar medial branch, Z-joint

**Head/Thorax:** Greater occipital nerve, intercostal nerves, thoracic facet joint, sphenopalatine ganglion block, TMJ blocks, chemodenervation injections for migraines

##### Station 2—Regenerative Medicine: PRP & Stem Cell 2 hours

Attendees will review and practice the following procedures in station 2:

**PRP and Stem Cell Process:** Sample collection, basic technology of equipment, and demonstration

**Platelet-Rich Plasma:** History, studies, patient candidates, results, what to expect, postoperative instructions and care

**Stem Cell:** History, studies, patient candidates, results, what to expect, postoperative instructions and care

##### Station 3 - Upper Extremity 2 hours

Attendees will review and practice the following procedures in station 3:

**Shoulder:** Suprascapular nerve, AC-joint, subacromial bursa

**Gleno-humeral joint**

**Arm:** Biceps tendon, carpal tunnel

##### Station 4—Lower Extremity 2 hours

Attendees will review and practice the following procedures in station 4:

**Hip Joint:** Trochanteric complex

**Knee Joint:** Saphenous nerve

**Peripheral Nerve:** Ilioinguinal nerve, lateral femoral cutaneous nerve, tibial nerve, and tarsal canal

*\*All attendees must complete a WAPMU-provided online evaluation to receive a certificate of credit. The number of credits awarded will be based on the hours of attendance indicated on the evaluation.*

There is an additional fee to attend this preconference program. Registration is required.

Because of space limitations, this preconference requires both program registration and completion and approval of the qualifying scope of practice (QSOP) form. Download the QSOP form from [www.painmed.org/WAPMU](http://www.painmed.org/WAPMU) and return it via e-mail or fax as directed on the form. Registrants will be notified by e-mail of final QSOP and preconference approval. WAPMU and AAPM will determine eligibility for each registrant, and reserve the right to refuse any registrant. Hotel and air transportation should not be made by registrants until (1) program registration has been submitted and confirmed and (2) the QSOP form has been submitted and approved. WAPMU and AAPM will not reimburse travel and/or lodging expenses in the event your registration for the event is not approved. AAPM and WAPMU neither accredit nor certify physicians in training and do not intend to do so in these workshops.



## ESSENTIAL TOOLS FOR TREATING THE PATIENT IN PAIN™: WHAT EVERY CLINICIAN TREATING PAIN PATIENTS NEEDS TO KNOW (PME)\*

### Co-Chairs

Gagan Mahajan, MD  
Farshad M. Ahadian, MD

Essential Tools for Treating the Patient in Pain™ is AAPM's flagship preconference program. Each year, this program features the most cutting-edge, relevant topics on the fundamentals of pain medicine and practical approaches to the treatment of common pain disorders. Clinically-focused lectures on the assessment, diagnosis, and treatment of patients with various acute, cancer, end-of-life, and chronic pain syndromes enable attendees to make immediate improvements in their practice. Year after year, attendees attest that this course leads to significant improvements to their pain medicine knowledge, practice, and competence.

### Agenda, Wednesday, March 15

#### 7 am–Noon

##### Part 1 of 2

**Difficult Patient, Difficult Drugs, Difficult Doctors: Pain Management Doesn't Have to Be Difficult**

Farshad M. Ahadian, MD

**Psychiatric Evaluation of the Patient with Chronic Pain**

Ravi Prasad, PhD

**Evaluation of the Adult Patient with Head Pain**

James C. Watson, MD

**Physical Exam of the Spine**

Steven P. Stanos, DO

**Physical Exam of the Shoulder and Hip**

Steven P. Stanos, DO

**Opioid-Induced Central Sleep Apnea: Silent Killer**

W. Michael Hooten, MD

#### 1–5 pm

##### Part 2 of 2

**Overview of Injection Therapies for Chronic Pain**

Gagan Mahajan, MD

**Cancer Pain Assessment & Palliative Care**

Perry G. Fine, MD

**Medical Cannabis for Non-Cancer Pain: Current Evidence**

Mark S. Wallace, MD

**Spine Surgery: Who Needs It?**

Kenneth A. Follett, MD

**Recent Advances in Neurostimulation for Chronic Pain**

B. Todd Sitzman, MD

**Neurogenic Claudication Due to Lumbar Spinal Stenosis: Emerging Treatment Options**

Farshad M. Ahadian, MD

AAPM designates this live activity for a maximum of 9.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## OPIOID AND NON-OPIOID MEDICATIONS MANAGEMENT: FILLING IN THE GAPS, PRESCRIBING FOR THE WHOLE PATIENT (002)\*

### Co-Chairs

W. Michael Hooten, MD  
Steven P. Stanos, DO

The pharmacologic management of chronic pain is an important aspect of most if not all clinicians' daily practices. However, strategies aimed at optimizing the use of non-opioid analgesics while mitigating the potential risks associated with opioid use can be difficult to implement. This course will provide timely, useful, practical information about the use of opioid and non-opioid analgesics to treat adults with chronic pain.

### Agenda, Wednesday, March 15

#### 6–9 pm

##### Part 1 of 2

**Opioid Management—Introduction**

W. Michael Hooten, MD

**Opioid Pharmacology**

Robert W. Hurley, MD PhD

**Methadone and Buprenorphine: Atypical Opioids?**

Charles E. Argoff, MD

**Adverse Effects of Opioids**

Halena Gazelka, MD

**Monitoring Long-Term Opioid Therapy: Risk Mitigation Strategies**

Gagan Mahajan, MD

**Integrating CDC Guidelines into Clinical Practice**

Mark S. Wallace, MD

**Opioid Tapering**

David A. Fishbain, MD

### Agenda, Thursday, March 16

#### 8–11:30 am

##### Part 2 of 2

**Anticonvulsants for Neuropathic Pain**

James C. Watson, MD

**Analgesic Antidepressants for Chronic Pain**

Ajay D. Wasan, MSC

**NSAIDs for Acute and Chronic Pain**

Jeffrey Fudin, PharmD FCCP  
FASHP

**Topical Analgesics for Acute and Chronic Pain**

Steven P. Stanos, DO

**Muscles Relaxants for Acute and Chronic Musculoskeletal Pain**

Steven P. Stanos, DO

**Pharmacologic Management of Migraine Headache**

James C. Watson, MD

**Pharmacologic Strategies for Pain-Related Sleep Disruption**

Ajay D. Wasan, MD MSC

AAPM designates this live activity for a maximum of 6.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

\*There is an additional fee to attend both of the preconference programs on this page. Registration is required.

### Bonus On-Demand Learning Opportunity

Special this year, 2017 Medications Management Preconference registrants will receive full access to the on-demand 2016 Medications Management Preconference program in the online AAPM Education Center—providing attendees an extra 10 hours of valuable, CME-eligible content.

## SAFE OPIOID PRESCRIBING: RISK EVALUATION AND MITIGATION STRATEGY FOR EXTENDED-RELEASE AND LONG-ACTING OPIOID ANALGESICS (003)

### Faculty

Charles E. Argoff, MD

Gagan Mahajan, MD

Oscar de Leon-Casasola, MD

Extended release/long-acting (ER/LA) opioids are highly potent drugs that are approved to treat moderate to severe persistent pain in serious and chronic conditions. The misuse and abuse of these drugs have resulted in a serious public health crisis of addiction, overdose, and death.

The Risk Evaluation and Mitigation Strategy (REMS) is part of a multi-agency federal effort to address the growing problem of prescription drug abuse and misuse. REMS introduces new safety measures to reduce risks and improve safe use of ER/LA opioids while continuing to provide access to these medications for patients in pain. This program provides an overview of strategies, assessment, and fundamentals of SAFE opioid prescribing.

This preconference program is free.

### Program Overview, Thursday, March 16

#### 1:15–4:45 pm

These three sessions, made up of six CME modules, comprise a REMS-compliant training program focused on the safe prescribing of ER/LA opioid analgesics.

#### SAFE Opioid Prescribing: ER/LA Opioids—Perspectives on Patient Assessment and Therapy Management

1. Evaluation is Essential for Safe and Effective Pain Management Using ER/LA Opioids
2. Best Practices for How to Start Therapy with ER/LA Opioids, How to Stop, and What to Do in Between

#### SAFE Opioid Prescribing: Goals of Therapy, Monitoring and Patient Education of ER/LA Opioids

3. Evidence-Based Tools for Screening for Patients at Risk and Monitoring for Adherence to Prescribed ER/LA Opioids
4. Talk to Me: Proven Methods to Counsel Your Patients on ER/LA Opioids and Achieve Positive Outcome

#### SAFE Opioid Prescribing: Assessing ER/LA Opioid Products: Similarities and Differences Prescribers Need to Know

5. Everything You Always Wanted to Know About ER/LA Opioids as a Drug Class
6. Getting the Most Clinical Insights from Specific ER/LA Product Information Sources

This educational activity is supported by an independent educational grant from the ER/LA Opioid Analgesic REMS Program Companies. Please see [http://ce.er-la-opioidrems.com/lwgCEUI/remss/pdf/List\\_of\\_RPC\\_Companies.pdf](http://ce.er-la-opioidrems.com/lwgCEUI/remss/pdf/List_of_RPC_Companies.pdf) for a list of the member companies. This activity is intended to be fully compliant with the ER/LA Opioid Analgesic REMS education requirements issued by the US Food & Drug Administration.

The SAFE Opioid Prescribing curriculum is developed by and is the property of Pri-Med, American College of Physicians, and Miller Medical Communications.

pmiCME is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. pmiCME designates this live activity for a maximum of 3.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity. pmiCME is approved as a provider of nurse practitioner continuing education by the American Association of Nurse Practitioners. AANP provider 040308. This program has been approved for 3.5 contact hours of continuing education (which includes 1.76 hours of pharmacology). This activity was planned in accordance with AANP Accreditation Standards and Policies.

This preconference program is **free**. **Advance registration is required.**



### Add Preconferences & Save!

Enhance your learning while in Orlando by adding one or more preconference to your Annual Meeting registration. Physician member attendees **save \$100** when registering for the AAPM 33rd Annual Meeting plus one preconference, and **\$200** when registering for the Annual Meeting plus two preconferences. Affiliate member attendees save **\$50** when adding one preconference and **\$100** when adding two preconferences.

## AAPM 33RD ANNUAL MEETING PROGRAM

### Thursday, March 16

5–6 pm

#### Opening Session and Award Presentations (101)

*Presentation of the Founders Award to R. Norman Harden, MD*

*Presentation of the Presidential Excellence Award for Education to Col. Kevin Galloway, U.S. Army (retired) MHA BSN*



#### Mobilizing Societies, Healthcare Systems, and Pain Clinicians in Advocating for Quality Patient Care: Lessons Learned from Washington State

When the Washington State Healthcare Authority decided to re-examine the evidence and safety of a standard, accepted procedure performed by many pain clinicians—lumbar epidural injections—a grassroots effort led to a successful legal challenge that can be applied to challenges in other states.

*Moderator: Steven P. Stanos, DO*

**Background: 2015–16 Washington State Healthcare Authority Re-Review Decision on Approving Epidurals for Lumbar Radicular Pain and Local Pain Management Crisis After Closure of Large Pain Clinic**

*Steven P. Stanos, DO*

**I Need a Refill: 8,000 Patients Search for a New Pain Home in a Statewide Response to a Real Medical Crisis**

*Brett R. Stacey, MD*

**Multisociety Pain Work Group (MPW): How Societies Work Together to Make a Difference**

*Virtaj Singh, MD*

6–7:30 pm

#### Welcome Reception

Kick off your meeting by networking with AAPM leadership, fellow attendees, and industry partners in the Resource Center. View scientific posters (Group 1) and meet the authors. Beverages and refreshments will be served. Entry is included with meeting registration.

### Friday, March 17

8:15–9:15 am

#### General Session I and Award Presentations (102)



#### 8:15–8:30 am President's Opening Remarks

*Daniel B. Carr, MD*

8:30–8:45 am

*Presentation of the Philipp M. Lippe Award to Rollin M. Gallagher, MD MPH*

*Presentation of the Distinguished Service Award to Sean Mackey, MD PhD*

8:45–9:15 am

#### Keynote Address

*TBA*

9:15–10 am

#### General Session II and Award Presentations (103)

*Presentation of the Pain Medicine Fellowship Excellence Awards*

#### Plenary Research Highlights

Increasing the quality and quantity of scientific pain research is a primary goal of the AAPM Annual Meeting. The Scientific Poster Abstract Committee has selected the highest-ranking 2017 poster submissions for live presentation during this plenary event.

*Moderator: James C. Watson, MD  
Faculty TBA*

10–11 am

#### Networking Break

Visit exhibits, see scientific posters (Group 1), and attend Meet the Faculty events in the Resource Center!

11 am–Noon

#### Concurrent Sessions

#### Beyond Acute Opioid Tapering: Medical and Behavioral Associations of Latent Opioid Withdrawal (201)

The underreported secondary phase of opioid withdrawal has received little attention and is especially important considering that many patients relapse within the first months following opioid cessation. This session will focus on the neurobiological, pharmacological, and psychological considerations during the latent phase of opioid withdrawal with recommendations to maximize long-term success.

*Moderator: Jennifer L. Murphy, PhD*

#### Mental Health Considerations Following Opioid Tapering and Keys for Behavioral Management

*Jennifer L. Murphy, PhD*

#### Neurobiological Mechanisms of Latent Opioid Withdrawal and Pharmacological Treatment Options

*W. Michael Hooten, MD*

11 am–Noon

#### Poster Research Highlights (202)

This scientific session will present additional cutting-edge research from award-winning scientific poster submissions.

*Moderator: James C. Watson, MD  
Faculty TBA*

## 11 am–Noon

### **The State of Evidence-Based Stem Cell and Platelet-Rich Plasma (PRP) Therapy for Degenerative Musculoskeletal and Spine Conditions (203)**

Mesenchymal stem cells (MSCs) and PRP therapy for pain conditions have attracted interest because of evidence regarding their capacity to decrease local inflammatory responses, promote indigenous cell activity, increase matrix productions, and ultimately relieve pain. This session will review the current knowledge regarding and technology for MSCs and PRP therapy, summarize evidence in animal and clinical trials, and discuss future applications in pain medicine.

*Moderator: Wenchun Qu, MD PhD*

### **The State of Evidence-Based Stem Cell and PRP Therapy for Degenerative Musculoskeletal and Spine Conditions**

*Wenchun Qu, MD PhD*

### **Mechanism of Mesenchymal Stem Cells in Management of Painful Degenerative Musculoskeletal and Pain Conditions**

*Jianguo Cheng, MD PhD*

### **Treatment of Degenerative Spine Conditions with Stem Cell and PRP Therapy**

*Gerard A. Malanga, MD*

## Noon–1:45 pm

### **Networking & Lunch Break**

## 1:45–2:45 pm

### **Concurrent Sessions**

### **Addressing the Opioid Crisis While Treating Acute Pain: Strategies for Optimal Care (204)**

Forty-five million Americans undergo surgery annually, resulting in acute pain and obligatory opioid use. This session will present an interdisciplinary approach to perioperative pain management that optimizes nonopioid analgesic treatments while monitoring opioid dose escalations and limiting adverse effects.

*Moderator: Jennifer Hah, MD MS*

### **Risk Stratification for Persistent Post-Surgical Pain and Opioid Use, Misuse, and Overdose**

*Michael L. Kent, MD CDR MC USN*

### **Expanding the Role of the Perioperative Surgical Home: Engaging Patients and Providers to Optimize Acute Pain Management**

*David A. Edwards, MD PhD*

### **Preventing Persistent Post-Surgical Pain and Promoting Opioid Cessation After Discharge**

*Jennifer Hah, MD MS*

## 1:45–2:45 pm

### **Empower Veterans Program (EVP): Innovative Integrated Self-Care Well-Being Training (205)**

The EVP coaches clients with high-impact chronic pain to help them live a fuller life. Intensive, integrated self-care coaching with a psychologist, chaplain or social worker, and physical therapist has shown to clinically improve pain interference, depression and anxiety, and physical well-being. This session will model program sustainability through cost avoidance.

*Moderator: Michael Saenger, MD FACP*

### **Empower Veterans Program (EVP): For a Fuller Life in Spite of Chronic Pain**

*Michael Saenger, MD FACP*

### **Developer/Mentor of EVP Mindful Movement**

*Jennifer Gansen, DPT CPE*

### **Lead Psychologist for Empower Veterans Program Acceptance and Commitment Therapy**

*Mary E. Hammons, PhD*

## 1:45–2:45 pm

### **Central Neuropathic Pain Syndromes: Unique Features and Emerging Treatments (206)**

Central neuropathic pain is extremely challenging to treat. This session will present the unique mechanisms necessary to develop a central neuropathic pain state and to differentiate neuropathic pain from other pain types in a neurologically devastated patient. It also will provide an evidence-based pharmacologic and interventional treatment approach to central neuropathic pain.

*Moderator: James C. Watson, MD*

### **Central Neuropathic Pain: Incidence, Unique Mechanisms, and Clinical Challenges**

*James C. Watson, MD*

### **Central Neuropathic Pain Treatment: Traditional, Interventional, Cannabinoid, and Emerging**

*Paola Sandroni, MD PhD*

## 2:45–3:45 pm

### **Networking Break**

Visit exhibits and attend Meet the Faculty events in the Resource Center!

## 3:45–4:45 pm

### **Concurrent Sessions**

### **Advocacy for Pain Medicine on Capitol Hill During the Current Opioid Crisis (207)**

Pain management advocacy has become extremely difficult in this era of opioid epidemic in the United States. Our leaders on Capitol Hill and the public need to be educated on how multidisciplinary treatment, such as the Department of Veteran's Affairs stepped care model, can prevent opioid overuse while still administering optimal pain care.

*Moderator: Michael S. Leong, MD*

### **Introduction to Pain Medicine Advocacy on Capitol Hill**

*Michael S. Leong, MD*

### **Opioid Abuse and Chronic Pain: Twin Epidemics**

*Mehul J. Desai, MD*

### **The Veterans Affairs (VA) Stepped Care Model for Pain Management**

*Rollin M. Gallagher, MD MPH*

## 3:45–4:45 pm

### **Addressing Safe Prescribing Competencies in Health Professions Curricula (208)**

Explore the gaps in pain education and demonstrate how three U.S. medical schools have addressed safe prescribing with the design of a new curriculum. Each school will share its approach to training at a different point in the continuum of medical education.

*Moderator: Patricia A. Thomas, MD FACP*



**Addressing Safe Prescribing Competencies in Medical Education**

*Patricia A. Thomas, MD FACP*

**Prescription Drug Misuse and Addiction for Practicing Clinicians**

*Theodore V. Parran Jr., MD FACP*

**The O.P.I.A.T.E. Curriculum: Outpatient Principles to Improve Addiction Training and Education**

*Audrey L. Tanksley, MD*

**3:45–4:45 pm**

**Fibromyalgia and Other Functional Pain Syndromes: Pathophysiology, Assessment, and Management (209)**

Functional pain syndromes commonly are seen by primary care and pain medicine practitioners. This session will review common functional pain syndromes and will underline pathophysiologies, diagnostic strategies, and effective interventions, including both pharmacological and nonpharmacological approaches.

*Moderator: Martin Cheatle, PhD*

**Functional Pain Syndromes: Novel Nonpharmacological Interventions—It Is All Above C1**

*Martin Cheatle, PhD*

**Pharmacological Interventions: Balancing Risk and Benefit**

*Michael A. Ashburn, MD MPH MBA*

**Pathophysiology and Assessment**

*Ignacio Badiola, MD*

**3:45–6 pm**

**Extended Session**

**Practice Management Workshop: Tools to Thrive in an Era of Healthcare Transformation (210)**

The increasingly complex world of emerging organized systems of care, population health, and value-based care require new approaches to practice development and management. This extended session will provide attendees with tools that can be applied to develop professionally and personally satisfying careers in pain medicine.

*Moderator: Fred N. Davis, MD*

**Regulatory Changes Affecting Pain Medicine**

*Kevin E. Vorenkamp, MD*

**Challenges and Opportunities in Building a Successful Small Group Independent Practice**

*B. Todd Sitzman, MD*

**Creating a Scalable Practice Culture for Success**

*Fred N. Davis, MD*

**Choosing the Right Practice at Any Stage of Your Career**

*Cyndy Walsh*

**A Systematic Approach Toward Practice Management to Maximize Success**

*Jennifer Britten, CPC*

**4:45–5 pm**

**Networking Break**

**5–6 pm**

**Concurrent Sessions**

**Opioid Prescribing Guidelines: Practical and Ethical Considerations with Clinical Pearls for PCP and Specialty Pain Management (211)**

This session will present information on the potential effects of the Centers for Disease Control and Prevention's and other guidelines on physicians providing opioid management for persons with chronic pain. It also will provide helpful clinical hints to assist with opioid and nonopioid pain management.

*Moderator: James W. Atchison, DO*

**Pharmacologic and Medical Literature Considerations When Prescribing Opioids for Continuous Use in Non-Cancer Pain Management**

*Jeffrey Fudin, PharmD FASHP FCCP*

**How Opioid Prescribing Guidelines May Affect (Help or Hinder) a Primary Care Physician's Ability to Provide Pain Management**

*Bill McCarberg, MD*

**How Opioid Prescribing Guidelines May Affect (Help or Hinder) a Pain Specialist's Ability to Provide Pain Management**

*James W. Atchison, DO*

**Ethical Implications of Recent Opioid Prescribing Guidelines and the Need to Address All Patients Individually**

*Michael E. Schatman, PhD CPE*

**5–6 pm**

**Evaluation of Interdisciplinary Functional Restoration Programs—Peri-Op to Primary Care: Is the Juice Worth the Squeeze? (212)**

This session will highlight emerging efforts to re-establish intensive outpatient functional restoration pain programs in support of civilian, Department of Defense, and Veterans Affairs primary, subspecialty, and perioperative care environments. Topics include successes and difficulties, methodologies to maximize reimbursement, and utilization of technology to tailor patient treatment programs and gauge programmatic effectiveness.

*Moderator: Steven R. Hanling, MD*

**Functional Restoration Pain Programs (FRPP): Clinically Compelling but Financially Foreboding. Can Technology Help?**

*Steven R. Hanling, MD*

**Functional Restoration in Primary Care Setting: Veterans Affairs (VA)**

*Aram Mardian, MD*

**Functional Restoration Program in a Civilian Setting**

*TBA*

**TBA**

*Diane M. Flynn, COL (ret) MC USA MD MPH*

**5-6 pm**

**Updates and Controversies in Radiofrequency Denervation and Anticoagulation Therapy for Interventional Pain Medicine (213)**

This session will provide updates and controversies on topics that are important to interventional pain medicine practitioners, including radiofrequency denervation for knee and hip arthritis, facet joint radiofrequency denervation, and anticoagulation before interventional procedures.

*Moderator: Steven P. Cohen, MD*

**Improving Patient Selection and Optimizing Outcomes for Facet Joint Radiofrequency Denervation**

*Steven P. Cohen, MD*

**Anticoagulation Therapy Before Interventional Procedures: Should We Continue or Hold It? Weighing the Risks and Benefits**

*David A. Provenzano, MD*

**Radiofrequency Denervation for Joint Pain: What Is the Evidence?**

*Michael B. Jacobs, MD MPH*

**6-7:30 pm**

**AAPM 33rd Annual Meeting Reception**

Cap off your day by networking with fellow meeting attendees in the Resource Center. View scientific posters (Group 2) and meet the authors. Cocktails and refreshments will be served. Entry is included with meeting registration.

**7-9:30 pm**

**Special Evening Session: Advanced Clinical Skills for Low Back Pain: A Hands-On Workshop\* (004)**

This interprofessional hands-on workshop will utilize demonstration tables to highlight advances in assessing and treating common forms of low back pain. The session will encompass the anatomy and physiology; mechanistic underpinnings, including neuroscientific, psychological, and biomechanical perspectives; and the initiation of non-pharmacological and pharmacological treatment, focusing on evidence-based recommendations.

*\*There is an additional fee to attend this special evening session. Registration is required.*

*Co-chairs: James W. Atchison, DO; Beth B. Hogans, MD PhD*

**Stations:**

**Physical and Structural Exams and Treatment of Lumbar Spine, Sacroiliac Joint, Pelvic Dysfunction, and Lumbar Spine**

*James W. Atchison, DO; Carlos Placer, MD; Max Shokat, DO; Marisol Arcila, MD*

**Neurological Assessment and Treatment of Neuropathic and Muscular Elements of Low Back Pain**

*Beth B. Hogans, MD PhD*

**Physiatrist (PM&R) Assessment and Treatment of Low Back Pain**

*Marlis Gonzalez-Fernandez, MD PhD*

**Podiatric Diagnosis and Treatment of Stance and Gait Mechanics Contributing to Low Back Pain**

*Stuart Goldman, DPM*

**Saturday, March 18**

**8-9:15 am**

**General Session III and Award Presentations (104)**

*Presentation of the Robert G. Addison Award to the Faculty of Pain Medicine of the Australian and New Zealand College of Anaesthetists (FPMANZCA)*

*Presentation of the Patient Advocacy Award to Judith A. Paice, PhD RN*

**Behavioral and Self-Management Resources for Immediate Implementation: Align Your Practice with the National Pain Strategy**

In this unique session, international experts from the United States and United Kingdom will bring you state-of-the-art behavioral and self-management resources and approaches that are no- or low-cost, scalable, plug-and-play solutions—without hiring new staff!

*Moderator: Beth D. Darnall, PhD*

**Align Your Practice with the National Pain Strategy Without Hiring New Staff: Behavioral Tools for Immediate Implementation**

*Beth D. Darnall, PhD*

**Tools and Resources to Integrate Self-Management into Your Practice Right Now**

*Peter G. Moore; Penney Cowan*

**9:15-10:15 am**

**Networking Break**

Visit exhibits and scientific posters (Group 2) in the Resource Center!

**10:15-11:45 am**

**Concurrent Sessions**

**Neuropathic Pain: Still Unrecognized and Undertreated: Where Are We in 2017? (301)**

Neuropathic pain is underdiagnosed and commonly mistreated, leading to unnecessary suffering. This session reviews appropriate identification and evaluation of a neuropathic pain patient to make the correct diagnosis, as well as current treatment options and shortfalls. Emerging treatments ranging from cannabinoids to mechanism-based interventions will be reviewed.

*Moderator: Brett R. Stacey, MD*

**Neuropathic Pain: Overview of Epidemiology and Impact**

*Brett R. Stacey, MD*

**Neuropathic Pain: Making the Diagnosis**

*Miroslav Backonja, MD*

**Small Fiber Peripheral Neuropathy: New and Often Missed**

*Miroslav Backonja, MD*

**Treatment Options for Neuropathic Pain**

*Charles E. Argoff, MD*

## Rediscovered, New, and Upcoming: From Devices to Cannabinoids for Neuropathic Pain

Mark S. Wallace, MD

### 10:15–11:45 am

#### Complex Regional Pain Syndrome: Proper Diagnosis Leads to Appropriate Treatment Including Ketamine and Neuromodulation: Do Different Subtypes Require Different Treatment Algorithms? (302)

With the publication and acceptance of validated diagnostic criteria for complex regional pain syndrome (CRPS), there is now an appreciation of different subtypes of CRPS, which mandate different treatment emphases. This session will raise awareness of different presentations of CRPS and provide variations in treatment algorithms, including incorporation of ketamine infusions.

Moderator: Joshua P. Prager, MD

#### Validated Diagnostic Criteria for CRPS

R. Norman Harden, MD

#### Behavioral Considerations in the Evaluation of Patients for CRPS Treatment

Marilyn S. Jacobs, PhD

#### Physiology of CRPS and Interventional Approaches to Address the Syndrome

Michael D. Stanton-Hicks, MB BS Dr med

#### Integrating Appropriate Diagnosis and Special Therapies in the Comprehensive Interdisciplinary Functional Rehabilitation Program

Joshua P. Prager, MD

### 10:15–11:45 am

#### Contemporary Strategies for Intrathecal Drug Delivery: Polyanalgesic Consensus Guidelines, Efficacy, Safety, and Cost Effectiveness (303)

This session highlights recent notable changes in management strategies for patients with a targeted drug delivery system. It will review safety, efficacy, and best practices when employing intrathecal therapy, comparing pharmacodynamic risks with oral analgesics, including the risks of respiratory depression, endocrinopathy, hyperalgesia, and addiction. Systemic opioid cessation alongside an appraisal of the economics of utilizing targeted drug delivery in a contemporary pain practice also will be addressed.

Moderator: Robert Bolash, MD

#### Current Comparison of Intrathecal and Oral Opioid and Nonopioid Analgesics: Selected Adverse Effects and Efficacy

Michael S. Leong, MD

#### Polyanalgesic Consensus Guidelines: An Update

Timothy R. Deer, MD

#### Pearls and Pitfalls of Intrathecal Drug Delivery Systems

Nagy A. Mekhail, MD PhD

#### Cost Effectiveness of Targeted Drug Delivery

Robert Bolash, MD

### 11:45 am–1:30 pm

#### Networking & Lunch Break

### 1:30–2:30 pm

#### Concurrent Sessions

#### Comprehensive Pain Management in the Department of Defense (DoD): A Public Health Approach to Ease the Pain Burden Among America's Warriors (304)

This session highlights the achievements of the Army Comprehensive Pain Management Campaign Plan since its 2010 launch. Components include establishing regional Interdisciplinary Pain Management Centers, strengthening the partnership between pain specialists and primary care, and implementing a pain registry and outcomes tracking system.

Moderator: Diane M. Flynn, COL (ret) MC USA MD MPH

#### First Things First: Building Capacity for Interdisciplinary Care

Patrick A. Sherman, DSc MHS PA-C; Steven R. Hanling, MD

#### Strengthening the Partnership Between Specialty Care and Primary Care Through Telementoring

William J. Grief, MD

#### Developing Capability for Outcomes-Guided Therapy

Diane M. Flynn, COL (ret) MC USA MD MPH

### 1:30–2:30 pm

#### Behavioral Health and Pain Education Interventions: Helping Patients Understand and Change Their Pain (305)

This session will provide an overview of two approaches to behavioral intervention for pain, functional limitations, and affective distress: cognitive-behavioral therapy with a special emphasis on relaxation training and mindfulness-based stress reduction. Application of these interventions in various medical settings will be reviewed.

Moderator: Steven P. Stanos, DO

#### Integrating Traditional Behavioral Health into Your Management Plan

Steven P. Stanos, DO

#### Pain Care Is Everyone's Job: Pain Education as a Treatment Intervention

Nora Stern, PT

#### Mindfulness-Based Stress Reduction (MBSR): A Physical Therapist's Perspective

Carolyn McManus, PT

### 1:30–2:30 pm

#### Obesity Management in Interventional Pain Practice (306)

Obese patients frequently present with pain complaints and comorbidities that challenge the scope of practice of any single medical specialty. Although the infrastructure for obesity treatment already exists in the realm of pain medicine, the simultaneous management of obesity and chronic pain requires additional office staff and physician training.

Moderator: Dmitri Souzdalnitski, MD PhD

#### Specifics of Treatment of Chronic Pain in Obese Individuals

Dmitri Souzdalnitski, MD PhD

## Obesity and Chronic Pain: The Aching Fat!

*Samer Narouze, MD PhD*

**2:30–2:45 pm**

### Networking Break

**2:45–4:15 pm**

### Concurrent Sessions

#### A 4-Dimensional Response to the Opioids Crisis: Healthcare Policy, Clinical Practice, Community Education, and Law Enforcement (307)

The opioid epidemic is at the forefront of national healthcare concerns. There is consensus that healthcare organizations and professionals, community organizers, legislators, and law enforcement should work harmoniously in a proactive manner. This session focuses on four areas for intervention and resources allocation to address the crisis.

*Moderator: Rollin M. Gallagher, MD MPH*

#### Opioids Management Education for Clinical Providers and the Community: A Critical Dimension and Task

*Ali S. Mchaourab, MD*

#### Addressing the Opioids Crisis at the State and Community Levels: The Role of Legislators, Providers, and Healthcare Organizations

*Daniel M. Sullivan, MD FACP*

#### The Opioids Crisis and Law Enforcement: A Transformational Role to Fit the Crisis

*Carole S. Rendon, U.S. Attorney, ND OH*

**2:45–4:15 pm**

#### American Headache Society: Chronic Migraine Education Program (308)

The Chronic Migraine Education Program (CMEP), developed by the American Headache Society®, includes new advances and addresses acute and preventive treatment options. The CMEP is designed to provide a comprehensive understanding of migraine with an emphasis on chronic migraine, as well as on how to better diagnose and treat these serious problems.

*Moderator: Richard Lipton, MD*

#### Diagnosing Chronic Migraine and Episodic Migraine

*Richard Lipton, MD*

#### Migraine Pathophysiology

*Matthew S. Robbins, MD*

#### Acute and Preventative Treatment Strategies

*Lawrence C. Newman, MD*

**2:45–4:15 pm**

#### Innovations in Neuromodulation and Evidence-Based Review: How to Apply Them to Your Clinical Practice (309)

Neuromodulation is a rapidly advancing and changing therapy for the treatment of chronic pain. Data that is vital to ensuring proper patient selection and therapeutic utilization of these new therapies is rapidly becoming available, along with new treatment modalities and methods of stimulation.

*Moderator: Timothy R. Deer, MD*

#### Evidence-Based Review and Stimulation of the Dorsal Root Ganglion for the Treatment of Pain

*Timothy R. Deer, MD*

#### Neuromodulation Strategies: Current Evidence

*Jason E. Pope, MD*

#### Frequencies, Waveforms, and Feedback Loop

*Tim J. Lamer, MD*

**2:45–6 pm**

### Extended Session

#### AAPM Pain Psychology Task Force: Behavioral Pain Management Training for Healthcare Professionals (310)

This workshop aligns with the National Pain Strategy's goal for biopsychosocial pain care and is suitable for all healthcare professionals. Participants will (1) learn about the science and critical role of psychology in pain management and (2) acquire skills and resources to enhance patient engagement in active pain management. Case studies, interactive exercises, and practical tip sheets will be included.

*Moderator: Beth D. Darnall, PhD; Co-Introduction: Sean Mackey, MD PhD*

#### What You Don't Know CAN Hurt You: The Science of Pain Psychology

*Beth D. Darnall, PhD*

#### A Shifting Paradigm: From Biomedical to Biopsychosocial Interactions

*Jennifer L. Murphy, PhD*

#### How to Engage Patients in Optimal Pain Care

*Sara A. Davin, PsyD MPH*

#### Effective Strategies for Challenging Clinical Interactions

*Jennifer L. Murphy, PhD*

#### Putting It All Together: Interactive Application of Workshop Material

*Judith Scheman, PhD*

**4:15–4:30 pm**

### Networking Break

**4:30–6 pm**

### Concurrent Sessions

#### Preventing Pain Chronification After Amputation and Nerve Injury: Military Significance, Diagnostic Advancements, and Novel Analgesic Pathways (311)

More than 50% of patients suffer persistent pain after surgical amputation, and research demonstrates an association between the use of regional anesthesia and a reduction in chronic pain. This session explores diagnostic tools available to parse pain subtypes, as well as identification of molecular pathways in chronic pain that will define future therapeutic targets.

*Moderator: Thomas E. Buchheit, MD*

#### Nerve Injury Phenotypes and Targeted Therapies

*Thomas E. Buchheit, MD*

#### Military Significance and the Use of Early Regional Anesthesia

*Chester Buckenmaier, MD*



**The Search for Novel Analgesics**

*Thomas Van de Ven, MD PhD*

**4:30-6 pm**

**Collaborative Health Outcomes Information Registry (CHOIR): Treatment Lessons Learned (312)**

We now have the tools to capture the power of Big Data. CHOIR is one of the most extensive patient care registries to date, specifically for pain medicine providers and their patients. Following up on last year's CHOIR symposium, this session discusses treatment lessons learned from the analysis of such data.

*Moderator: Ajay D. Wasan, MD MSC*

**Overview and Update on CHOIR**

*Sean Mackey, MD PhD*

**Practice Improvement Capabilities Based on the Strength of CHOIR Medical Informatics**

*Ming-Chih Kao, PhD MD*

**Treatment Lessons Learned from CHOIR at the Medical College of Wisconsin**

*Robert W. Hurley, MD PhD*

**Treatment Lessons Learned from CHOIR at the University of Pittsburgh**

*Ajay D. Wasan, MD MSC*

**4:30-6 pm**

**Managing Challenging Headaches: Evidence-Based Medicine and the Roles of IV Infusions, Nerve Blocks, Neuromodulation, and Behavioral Therapy (313)**

Headache situations seen by pain specialists are challenging but common. This session will present an evidence-based treatment algorithm for chronic daily headache and discuss parenteral infusions and interventions that can be used to deal with subacute, severe, intractable exacerbations. It also will discuss emerging noninvasive neuromodulation techniques to treat migraine.

*Moderator: James C. Watson, MD*

**Parenteral Treatments of Intractable Headache Exacerbations**

*James C. Watson, MD*

**Interventional Treatments of Intractable Headache Exacerbations**

*Samer Narouze, MD PhD*

**Classification and Treatment of Chronic Daily Headache**

*Zahid H. Bajwa, MD*

**Emerging Non-Invasive Neuromodulation Techniques for Migraine**

*Robert Black, PhD*

**Sunday, March 19**

**7-7:45 am**

**Special Event: Pain Medicine Journal & National Institutes of Health (NIH): How to Succeed as an Academic Clinical Pain Researcher**

CME not provided.

*Moderator: Sean Mackey, MD PhD*

**The Career of a Clinician Scientist in Pain Research from the Early Stages to Senior Investigator**

*Sean Mackey, MD PhD*

**National Institutes of Health (NIH) Funding Mechanisms for Early Stage Investigators**

*Yu Lin, MD PHD*

**What Editors of Peer-Reviewed Journals Are Looking for in Your Manuscript**

*Rollin M. Gallagher, MD MPH; R. Norman Harden, MD*

**8-9:30 am**

**Concurrent Sessions**

**Interpreting and Using Laboratory Tests for Pain Management Patients Correctly: Interactive Case Studies (401)**

Urine drug testing commonly is incorporated into the management of pain patients. This session will discuss the advantages and limitations of these assays and use interactive case studies to directly apply this knowledge to correctly interpret patient test results.

*Moderator: Paul J. Jannetto, PhD*

**Interactive Clinical Case Studies: Understanding Metabolic Profiles, Drug Impurities, and Adulterated Urine Samples in Pain Management Patients**

*Paul J. Jannetto, PhD*

**Clinical Utility and Limitations of Qualitative and Quantitative Laboratory Testing for Pain Management**

*Loralie Langman, PhD*

**Additional Interactive Pain Management Case Studies: Correctly Interpreting Urine Drug Test Results**

*Robin J. Hamill-Ruth, MD*

**8-9:30 am**

**Embracing the Porcupine of Change: A Practical Toolkit for Difficult Conversations About Opioids (402)**

Front-line providers face conflict daily regarding opioid prescribing. Much of the information available simply describes guidelines rather than how to practically implement them or discuss them with patients who may not be open to change. This session provides key discussion tools and practical tips/scripts for challenging scenarios.

*Moderator: Meredith C. Adams, MD MS*

**Roadmap for Uncomfortable Conversations About Opioids**

*Meredith C. Adams, MD MS*

**Navigating Perception and Managing Expectations in a Changing Prescribing Environment**

*Rebecca C. Anderson, PhD*

## Translating Opioid Guidelines and Policies to Clinical Practice

Robert W. Hurley, MD PhD

## Painful Conversations Made Easier: Tips and Scripts

Jeannie Sperry, PhD

**8–9:30 am**

## Conundrums in Palliative Medicine: Managing Difficult Symptoms and Managing the Patient with Aberrant Opioid Behavior (403)

This session provides a practical guide to caring for patients suffering from chronic pain in the setting of aberrant opioid use disorder and complex medical illness. Management plans for difficult-to-manage symptoms related to life-threatening illnesses and pearls applicable to the practice of primary care, pain, and palliative medicine also will be presented.

Moderator: Halena Gazelka, MD

## Managing Risk: Developing a Monitoring and Treatment Strategy for Patients on Opioids

Halena Gazelka, MD

## Rising to the Challenge: Identifying Aberrant Opioid Use Behaviors in Patients with a Serious Illness

Mihir M. Kamdar, MD

## Delirium, Anxiety, and Depression: A Clear Thinking Approach to Evaluation and Management of End-of-Life Challenges

Jacob J. Strand, MD

## Dyspnea, Nausea, and Constipation: Practical Pearls to Manage These Common End-of-Life Symptoms

April Zehm, MD

**8–9:30 am**

## Optimizing Clinical Practice: Interprofessional Perspectives on Assessing Pain More Effectively (404)

Pain intensity measures are imperfect tools we use for communicating with patients and providers as well as for reporting outcomes. Designed for the pain-interested primary care practitioner and pain specialist, this session will demonstrate innovations in pain assessment to improve patient-provider communication and outcome appraisal in clinical practice.

Moderator: Beth B. Hogans, MD PhD

## Pain Assessment in the Training Environment: Advances in Communicating with Trainees and Other Providers About Pain

Beth B. Hogans, MD PhD

## Pain Assessment in the Clinical Realm: Advances in Communicating with Patients About Pain

Marlis Gonzalez-Fernandez, MD PhD

## What Should Be Measured? Results of a National Survey of Pain Stakeholders

Ravi Prasad, PhD

## Pain Assessment in the Translational Context: Advances in Pain Intensity Measures

Sharon L. Kozachik, PhD RN FAAN

## Pain Assessment in the Preclinical Context: Advances in Pain Intensity Measures

Sharon L. Kozachik, PhD RN FAAN

**9:30–9:45 am**

## Networking Break

**9:45–10:45 am**

## Concurrent Sessions

### Research Update on Controversies in Pain Medicine: A Pearls Session (405)

This session reviews reports on the prevalence of addiction and iatrogenic addiction in the chronic pain population from addiction facilities and the general population. It also will review morphine equivalent daily dosage (MEDD) clinical and research implications, as well as naloxone as a mitigating strategy for opioid-induced respiratory depression.

Moderator: Kayode A. Williams, MD MBA FFARCSI

### Opioid Addiction and Iatrogenic Opioid Addiction

David A. Fishbain, MD

### Morphine Equivalent Daily Dosage (MEDD) and Susceptibility to Opioid-Induced Respiratory Depression (OIRD)/Naloxone Use

Jeffrey Fudin, PharmD FCCP FASHP

### The Myth of Morphine Equivalent Daily Dosage (MEDD): Ethical Implications for Practice and Research

Michael E. Schatman, PhD CPE

**9:45–10:45 am**

### Oncologic Pain Medicine: Cancer Pain Syndromes and Treatment Paradigms (406)

This session will explore newer multidisciplinary approaches for treatments in the cancer pain population treatment paradigms for breast, thoracic, and abdominopelvic tumors, as well as management strategies to address addiction and opioid usage in this population.

Moderator: Amitabh Gulati, MD

### An Optimized Multidisciplinary Approach to Cancer Pain Medicine

Vinay Puttanniah, MD

### Novel Approaches to Breast Cancer–Related Pain Syndromes

Amitabh Gulati, MD

### Paradigm Approaches to Thoracoabdominal Cancer Pain Syndromes

Joseph C. Hung, MD

### Cancer Pain and Addiction: When 1+1 > 2

Dhanalakshmi Koyyalagunta, MD

**9:45–10:45 am**

## **Ketamine for Chronic Pain: Panacea or Snake Oil? (407)**

This session will provide an overview on the use of ketamine in the perioperative period and for chronic refractory pain. It will include basic science data, methodological flaws in the existing studies, and a synthesis of the evidence.

*Moderator: Steven P. Cohen, MD*

## **Ketamine for Chronic Pain: Neuropathic Pain, Fibromyalgia, and Beyond**

*Ajay D. Wasan, MD MSC*

## **Ketamine in the Perioperative Period: Preventive Analgesia and Use in Opioid-Tolerant Patients**

*Aubrey Verdun Jr., MD*

## **Ketamine: Miracle Drug or the Latest Fad?**

*Steven P. Cohen, MD*

**9:45–10:45 am**

## **Pain and the Reward Pathway: Preclinical Studies on the Impact of Pain on Opioid-Seeking Behavior (408)**

This session will highlight the functional relationship between pain, opioid receptor dysregulation, and motivated and affective behavior, providing new insights into the critical neurochemical and neuroanatomical mechanisms that underlie pain-induced changes in opioid reward and comorbid affective disorders. It also will discuss novel opioid-based therapeutic strategies for the treatment of pain.

*Moderator: Jose Moron-Concepcion, PhD*

## **Pain Increases Opioid Intake and Associated Motivated Behavior**

*Jose Moron-Concepcion, PhD*

## **Neuroimmune Regulation of Reward Circuitry During Chronic Pain**

*Catherine Cahill, PhD*

## **Alleviating Opiate Withdrawal by Targeting Microglia**

*Tuan Trang, PhD*

**10:45–11 am**

## **Networking Break**

**11 am–Noon**

## **Concurrent Sessions**

### **Pain Medicine and Physician Payment Reform: Must-Know Facts Regarding MIPS, MACRA, and the Future of Your Reimbursement (409)**

Physician payment reform is happening. It is critical that physicians understand what impact reform will have on their practice. This session will discuss the Merit Based Incentive Payment System (MIPS) and the Medicare Access and Chip Reauthorization Act (MACRA). Challenges will be discussed and implementable strategies and solutions will be presented.

*Moderator: Jason E. Pope, MD*

## **Defining the Acronyms Within the New Proposals: MACRA, APM, and MIPS**

*Jason E. Pope, MD*

## **Navigating Quality Payment Programs: Private Practice**

*David A. Provenzano, MD*

## **Navigating Quality Payment Programs: Academic Practice**

*Steven M. Falowski, MD*

**11 am–Noon**

## **Safe Opioid Prescribing and Risk Mitigation Practices in Pediatrics (410)**

Chronic recurring pain is common in up to 20% of children and adolescents in the United States, a small subset of whom may benefit from opioid therapy. This session will focus on the appropriateness, safety, and monitoring of opioid prescribing in children, as well as opioid risk mitigation strategies in pediatrics.

*Moderator: Lynne Sterni, MD*

## **Safe Prescribing of Opioids in Children: Indications and Assessment of Efficacy**

*Alexandra Szabova, MD*

## **Opioid Risk Mitigation Strategies in Pediatrics: Assessment of the Problem and Reducing Risk in Practice**

*Lynne Sterni, MD*

**11 am–Noon**

## **Preventing Inpatient Sentinel Events While Controlling Pain (411)**

This session describes the experience of Penn State Hershey Medical Center in combating opioid-related sentinel events. The Inpatient Opioid Task Force and Stewardship Program is a joint effort of the departments of anesthesiology, nursing, and pharmacy. It is providing safe pain management to complex inpatients.

*Moderator: Vitaly Gordin, MD*

## **Safe Opioid Use in Patients: Approach to Sentinel Event Alert**

*Vitaly Gordin, MD*

## **Controlling Pain While Avoiding Complications in High-Risk Hospitalized Patients**

*Jennifer E. Hubbell, MSN CRNP FNP-C*

## **Opioid Stewardship Program**

*Tom Vissering, RPh MBA*

**Noon**

## **Meeting Adjournment**

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