

The 19th Annual Pain Management Symposium

FEBRUARY 4 – 8, 2017

Hyatt Regency Grand Cypress Hotel | Orlando, FL

REGISTER TODAY!

ccfcme.org/2017Pain



ABOUT THE PAIN MANAGEMENT SYMPOSIUM

Cleveland Clinic Department of Pain Management is pleased to offer *The 19th Annual Pain Management Symposium*. We invite you to join us in the beautiful setting of the Hyatt Regency Grand Cypress Hotel in Orlando, FL, during the week of February 4-8, 2017. This dynamic 5-day Symposium will focus on in-depth reviews and analyses of recent advances in pain medicine and regional anesthesia/analgesia.

Tremendous changes are affecting the practice of pain management, particularly therapeutic advances and health care reform. This Symposium will promote a better understanding of the pathophysiology of acute and chronic pain, enhance knowledge regarding various chronic neuropathic pain conditions, explore the impact of health care reform on pain medicine practice and critically review novel state-of-the-art interventional and non-interventional techniques in diagnosis and management of chronic pain, cancer pain, and headaches. An internationally renowned faculty will provide insightful assessment and clinical practice evaluation of the topics. Each year our attendees look forward to the Saturday evening reception, which promises to be a fantastic social gathering for attendees, their families, friends, and faculty.

In addition to the didactic program, attendees have opportunities to participate in a variety of educational activities. Each day begins with informal discussions with faculty during the continental breakfasts. On Sunday through Tuesday, there are optional early evening problem-based learning discussions. A new group of educational sessions specifically developed for ARNPs and PAs working in pain practices will debut during this year's meeting.

Exclusive for practicing physicians and pain medicine fellows in training are unique workshops, offered multiple times throughout the week. They include optional afternoon cadaver workshops on various novel interventional pain management techniques. On Saturday and Sunday we offer live ultrasound guided workshops covering upper and lower extremity blocks and truncal procedures.

WHO SHOULD ATTEND

Practitioners and health care professionals who seek to learn the latest developments in pain medicine, including anesthesia providers, interventional pain specialists, physical medicine and rehabilitation specialists, orthopaedic and spine surgeons, neurologists, neurosurgeons, headache specialists, palliative care specialists, primary care physicians, physical therapists, physician assistants, nurse practitioners and residents and fellows in training who are interested in the practice of pain management will benefit from this program.

BY ATTENDING, YOU WILL BE ABLE TO:

- Define the role of DRG stimulation within the spectrum of neuromodulation therapies
- Identify patient selection criteria for neuromodulation therapies
- Develop strategies to provide affordable pain care that addresses the economic impact of health care reform
- Recognize pain conditions and symptoms that would trigger patient referral for surgical treatment
- Summarize the role of rheumatologic conditions in chronic pain development and treatment
- List the technical skills needed to perform interventional pain procedures
- Use multidisciplinary and multimodal pain treatments to treat chronic pain conditions
- Apply CDC guidelines to chronic opioid treatment to improve safety and reduce adverse effects associated with their use



SYMPOSIUM DIRECTOR

Richard Rosenquist, MD

Chair
Department of Pain Management
Anesthesiology Institute
Cleveland Clinic
Cleveland, OH

CLEVELAND CLINIC PLANNING COMMITTEE

Robert Bolash, MD

Department of Pain Management

Shrif Costandi, MD

Coordinator, Symposium Cadaver Workshops
Department of Pain Management

Kathryn Kraus, PA-C, MPAS

Department of Pain Management

Loran Mounir-Soliman, MD

Coordinator, Symposium Ultrasound Workshops
Departments of Pain Management and
General Anesthesiology

Deb McChrystal

Department of Pain Management

Krystina Thompson

Department of Pain Management

GUEST FACULTY

Michael Amster, MD

NorthBay Center for Pain Management
Fairfield, CA

Ramsin Benyamin, MD

Millennium Pain Center
Bloomington, IL

Aaron Calodney, MD

Texas Spine & Joint Hospital
Tyler, TX

John Carrino, MD, MPH

Johns Hopkins University
Baltimore, MD

Daniel Clauw, MD

University of Michigan
Ann Arbor, MI

Timothy R. Deer, MD

Center for Pain Relief
Charleston, WV

Oscar Deleon-Casasola, MD

State University of New York at Buffalo
Buffalo, NY

Daniel Doleys, PhD

The Doleys Clinic
Birmingham, AL

Anita Gupta, DO, PharmD

Drexel University College of Medicine
Philadelphia, PA

Philip Peng, MBBS

University of Toronto
Toronto, Canada

David Provenzano, MD

Pain Diagnostics and Interventional Care
Pittsburgh, PA

James P. Rathmell, MD

Brigham and Women's Hospital
Boston, MA

Amol Soin, MD

The Ohio Pain Clinic
Centerville, OH

Stanley Stead, MD, MBA

University of California, Irvine
Orange, CA

Ricardo Vallejo, MD, PhD

Millennium Pain Center
Bloomington, IL

CLEVELAND CLINIC FACULTY

Benjamin Abraham, MD

Department of Pain Management

Elizabeth Casserly, PharmD, RPh

Pharmacy

Teresa Dews, MD

Department of Pain Management

Lynn Gaddis, RN, MSN, CFNP - BC

Department of Pain Management

Carmen Gota, MD

Department of Rheumatologic and
Immunologic Disease

Ajit Krishnaney, MD

Center for Spine Health

Nagy Mekhail, MD, PhD

Department of Pain Management

Sean Nagel, MD

Center for Neuro-Restoration

Samuel Samuel, MD

Department of Pain Management

SATURDAY, FEBRUARY 4, 2017

- 7:00 am

Registration, Continental Breakfast, and Visit Exhibits

Informal Discussion with Faculty
- 7:50 am

Welcome and Introduction

Richard Rosenquist, MD
- The Fundamentals

Moderator: Robert Bolash, MD
- 8:00 am

Higher Centre and Pain: From Basic Science to Clinical Perspective

Philip Peng, MBBS
- 8:30 am

Mechanism of Action of Spinal Cord Stimulation

Ricardo Vallejo, MD, PhD
- 9:00 am

Mechanistic Approaches to Treating Chronic Pain

Daniel Clauw, MD
- 9:30 am

Neurophysiological Basis for Multimodal Therapy in Postoperative Pain

Oscar Deleon-Casasola, MD

- 10:00 am

Refreshment Break and Visit Exhibits
- 10:30 am

Anatomic Imaging for Pain Evaluation

John Carrino, MD, MPH
- 11:00 am

Anticoagulation and Interventional Pain Procedures

David Provenzano, MD
- 11:30 am

Cannabinoids for Chronic Pain

Daniel Clauw, MD
- 12:00 pm

Panel Discussion/Question and Answer Period
- 12:30 pm

Adjourn
- 6:30 – 8:30 pm
Reception (Families Cordially Invited)
- SUNDAY, FEBRUARY 5, 2017
- 7:30 am

Continental Breakfast and Visit Exhibits

Informal Discussion with Faculty

Rheumatologic Conditions

Moderator: Benjamin Abraham, MD

8:00 am

Autoimmune Disorders and Pain

Carmen Gota, MD

8:20 am

Fibromyalgia – Current Understanding

Daniel Clauw, MD

8:40 am

ANA, RF, ENA: Making Sense of Rheumatologic Alphabet Soup

Carmen Gota, MD

9:00 am

Contemporary Guidelines For Managing Fibromyalgia

Benjamin Abraham, MD

9:20 am

Comprehensive Evaluation of the Fibromyalgia Patient

Robert Bolash, MD

10:00 am

Refreshment Break and Visit Exhibits
- Advanced Technology and New Targets

Moderator: Nagy Mekhail, MD, PhD

10:30 am

DRG Stimulation

Nagy Mekhail, MD, PhD

10:45 am

High Density Stimulation

Aaron Calodney, MD

11:00 am

Peripheral Nerve Stimulation

Timothy R. Deer, MD

11:15 am

Closed Loop Neuromodulation

Nagy Mekhail, MD, PhD

11:30 am

Burst Stimulation

Timothy R. Deer, MD

11:45 am

High Frequency Stimulation

Ricardo Vallejo, MD, PhD

12:00 pm

Panel Discussion/Question and Answer Period

12:30 pm

Adjourn
- | |
|---|
| 6:00 – 7:00 pm
Problem-based Learning Discussions |
| A. Choosing the Best Imaging Study
John Carrino, MD, MPH |
| B. Polypharmacy, Pain, and Drug Interactions: Strategies to Balance Risk and Benefits
Anita Gupta, DO, PharmD, and Elizabeth Casserly, PharmD, RPh |
| C. Cancer Pain Management
Oscar Deleon-Casasola, MD |
-

MONDAY, FEBRUARY 6, 2017

7:30 am Continental Breakfast and Visit Exhibits
Informal Discussion with Faculty

Addressing the National Opioid Epidemic

Moderator: Samuel Samuel, MD

8:00 am Opioid Crisis in America – How Did We Get Here?
Richard Rosenquist, MD

8:20 am Should Opioids Be Used for Chronic Pain? – Pro
Aaron Calodney, MD

8:30 am Should Opioids Be Used for Chronic Pain? – Con
James P. Rathmell, MD

8:40 am CDC and FDA Opioid Guidelines – Blessing or Curse?
Anita Gupta, DO, PharmD

9:00 am Drug – Drug Interactions in Pain Management
Elizabeth Casserly, PharmD, RPh

9:20 am Managing the Difficult Patient Before They Manage You
Daniel Doleys, PhD

9:40 am Beyond Opioids for Cancer Pain
Oscar Deleon-Casasola, MD

10:00 am Refreshment Break and Visit Exhibits

Surgical Approaches to Painful Spine Conditions

Moderator: Richard Rosenquist, MD

10:30 am A Surgeon's Appraisal of Spine Pain Complaints
Sean Nagel, MD

10:50 am Long Term Outcomes from Lumbar Spinal Fusion
Ajit Krishnaney, MD

11:10 am Imaging the Cervical Spine
John Carrino, MD, MPH

11:30 am Surgical Approaches to Cervical Spine Disease
Ajit Krishnaney, MD

11:50 am Psychological Evaluation of the Failed Back Surgery Patient: Could This Have Been Predicted/Prevented Preoperatively?
Daniel Doleys, PhD

12:10 pm Panel Discussion/Question and Answer Period

12:30 pm Adjourn

PA/ARNP Session

2:00 pm Current Opioid Guidelines and Maintenance of the Chronic Pain Patient
Lynn Gaddis, RN, MSN, CFNP - BC

2:30 pm Managing the Flood of Patient Messages
Kathryn Kraus, PA-C, MPAS

3:00 pm Polypharmacy, Pain, and Drug Interactions: Strategies to Balance Risk and Benefits
Anita Gupta, DO, PharmD

3:30 pm Intrathecal Drug Delivery – Avoiding Pitfalls and Recognition and Treatment of Complications
Robert Bolash, MD

4:00 pm Adjourn

6:00 – 7:00 pm Problem-based Learning Discussions

D. Survival Strategies for the Private Practitioner in 2017
David Provenzano, MD

E. Effective Management of Chronic Widespread Pain
Carmen Gota, MD

F. Physician Burnout
Michael Amster, MD

TUESDAY, FEBRUARY 7, 2017

7:30 am Continental Breakfast and Visit Exhibits
Informal Discussion with Faculty

Transitioning From Pain Care to Pain Wellness

Moderator: Teresa Dews, MD

8:00 am Diet and Chronic Pain
Teresa Dews, MD

8:20 am Exercise as Medical Treatment
James P. Rathmell, MD

8:40 am Hormonal Effects of Chronic Pain and Its Treatments
Robert Bolash, MD

9:00 am Complementary and Alternative Treatments
Michael Amster, MD

9:20 am Smoking and Chronic Pain
Benjamin Abraham, MD

9:40 am Physician Heal Thyself – Addressing and Preventing Burnout
Michael Amster, MD

10:00 am Refreshment Break and Visit Exhibits

Innovations in Pain Medicine

Moderator: Shrif Costandi, MD

10:30 am Sodium Nitrite for Peripheral Neuropathy
Amol Soin, MD

10:45 am Intradural Spinal Cord Stimulation
Sean Nagel, MD

11:00 am Future Trends in Determining the Mechanism of Action for SCS
Ramsin Benyamin, MD

11:15 am 5HT Agonist for Neuropathic Pain
Amol Soin, MD

11:30 am PILD for Lumbar Spinal Stenosis
Ramsin Benyamin, MD

11:45 am Options for Failed Back Surgery Syndrome (FBSS)
Nagy Mekhail, MD, PhD

12:00 pm Panel Discussion/Question and Answer Period

12:30 pm Adjourn

PA/ARNP Session

2:00 pm Improving Documentation to Reduce Denials and Preauthorizations
Kathryn Kraus, PA-C, MPAS

2:30 pm Spine Pain – Neurological Evaluation and Differential Diagnosis
Sean Nagel, MD

3:00 pm How to Manage the "Aggressive" Patient
Lynn Gaddis, RN, MSN, CFNP - BC, and Daniel Doleys, PhD

4:00 pm Adjourn

6:00 – 7:00 pm Problem-based Learning Discussions

G. Effective Opioid Weaning Strategies
Robert Bolash, MD, and Elizabeth Casserly, PharmD, RPh

H. Neuromodulation – Optimizing Outcome by Choosing the Correct Technology
James P. Rathmell, MD

I. "Pigs Get Fat, Hogs Get Slaughtered" – How to Avoid Billing Pitfalls
Stanley Stead, MD, MBA

7:30 am	Continental Breakfast and Visit Exhibits <i>Informal Discussion with Faculty</i>	9:30 am	Is Targeted Drug Delivery Economically Viable in 2017? <i>Robert Bolash, MD</i>
Economics of Pain Medicine <i>Moderator: Robert Bolash, MD</i>		10:00 am	Refreshment Break and Visit Exhibits
8:00 am	How Can Your Practice Succeed Under MACRA? <i>Stanley Stead, MD, MBA</i>	10:30 am	Midas Encore RCT <i>Ramsin Benyamin, MD</i>
8:20 am	Transitioning From Fee for Service to Bundled Payments and Population Health <i>Robert Bolash, MD</i>	11:00 am	Cost Effectiveness of Neuro Stimulation <i>Aaron Calodney, MD</i>
8:40 am	Implementing Quality Reporting Under MACRA/MIPS <i>Stanley Stead, MD, MBA</i>	11:30 am	Team-based Healthcare Delivery <i>Lynn Gaddis, RN, MSN, CFNP - BC</i>
9:00 am	Measuring Pain Outcomes – Time for a Change? <i>Teresa Dews, MD</i>	12:00 pm	Panel Discussion/Question and Answer Period
		12:30 pm	Adjourn

Optional Live Ultrasound Guided Workshops

2:00 – 5:00 pm

Fee: \$500 per workshop session

Only available for physician symposium registrants. Space is limited, so early online registration is recommended.

Saturday, Session 1

How to Improve Your Ultrasound Technique, Anatomy of Truncal and Lower Extremity Blocks, and 4 Hands-on Stations: 1) Trunk Blocks (TAP, Intercostal, Rectus Sheath, Iliohypogastric, Ilioinguinal), 2) Lower Extremity Nerve Blocks (Femoral, Obturator, LFCN), 3) Lower Extremity Joint Injections (Hip, Knee), and 4) Ankle Injections (Post-tibial, Plantar Fascia)

Faculty: Shrif Costandi, MD; Loran Mounir-Soliman, MD; Philip Peng, MBBS; and David Provenzano, MD

Sunday, Session 2

Anatomy of Head and Neck Blocks (Stellate Ganglion, Cervical Roots, Brachial Plexus), Anatomy of Shoulder Joint, and 4 Hands-on Stations: 1) Stellate Ganglion Block, Cervical Nerve Root, Brachial Plexus, 2) Shoulder Joint, Suprascapular Nerve, 3) Upper Extremity Peripheral Nerves/ Elbow Injection, and 4) Pudendal Nerve Blocks, Caudal, Piriformis, SI Joint Injection

Faculty: Shrif Costandi, MD; Loran Mounir-Soliman, MD; Philip Peng, MBBS; and David Provenzano, MD

Optional Cadaver Workshops

1:30 – 5:30 pm

Fee: \$700 per workshop session

Only available for physician symposium registrants. Space is limited, so early online registration is recommended. The bus will depart at 12:30 pm and a boxed lunch will be provided. Attendees will rotate to each station.

Sunday, Session 3

Station 1 – SCS Lead Placement

Robert Bolash, MD

Station 2 – Cervical Facet Medial Branch RFA and Atlanto-Axial Joint Injection

Benjamin Abraham, MD

Station 3 – Kyphoplasty/Vertebroplasty

Samuel Samuel, MD

Monday, Session 4

Station 1 – Neurolytic Cancer Blocks (Celiac and Hypogastric Plexus)

Shrif Costandi, MD

Station 2 – Lumbar Facet Medial Branch RFA

Teresa Dews, MD

Station 3 – Discography (Intradiscal Procedures) (Transdiscal Biacuplasty)

Samuel Samuel, MD

Station 4 – Genicular and Hip RFA

Benjamin Abraham, MD

Tuesday, Session 5

Station 1 – Thoracic Facet Medial Branch RFA

Benjamin Abraham, MD

Station 2 – Trigeminal Nerve Blocks and Sphenopalatine Ganglion Blocks

Robert Bolash, MD

Station 3 – Sacral Lateral Branch Cooled and Bipolar RFA for Sacroiliac Pain

Teresa Dews, MD

Station 4 – KIVA for Vertebral Compression Fractures

Shrif Costandi, MD

GENERAL INFORMATION

Location

Hyatt Regency Grand Cypress Hotel
One Grand Cypress Blvd
Orlando, FL 32836
Phone: 407.239.1234

Hotel Accommodations

A limited block of rooms has been reserved at Hyatt Regency Grand Cypress Hotel only until January 11, 2017. To make your reservation, go to www.ccfcmec.org/painhotel17 or contact the hotel at 888.421.1442. Identify yourself as an attendee for the **Cleveland Clinic Pain Management Symposium** for special rates of \$239 single/double plus taxes. The \$25 daily resort fee has been waived.

Parking

Self-parking: \$10/day
Valet parking: \$25/day

Information

For further information about this activity, Faculty Disclosure, and Americans with Disabilities Act, contact the Cleveland Clinic Center for Continuing Education.

Local: 216.444.9990
Website: ccfcmec.org/2017Pain

Accreditation

The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Cleveland Clinic Foundation Center for Continuing Education designates this live activity for a maximum of 38.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Participants claiming CME credit from this activity may submit the credit hours to the American Osteopathic Association for Category 2 credit.

Other Health Care Professionals

A certificate of attendance will be provided to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

Free App for Attendees!

Included with your full registration is a complimentary mobile App available for download on tablets and smartphones, incorporating PowerPoint slides with note-taking and highlighting ability. Take notes at the activity and continue reviewing when you get home.



REGISTER ONLINE AT ccfcmec.org/2017Pain

Fee includes: continental breakfasts, refreshment breaks, faculty PowerPoint presentations in PDF format, available online and via mobile app, and reception

	On or Before January 1	After January 1
Physician	\$900	\$950
Non-physician	\$525	\$575
Resident*/Fellow*	\$475	\$525
CRNA/ PA/CNP	\$700	\$750
Corporate	\$650	\$700
*Letter from program director is required to receive the discounted fee. If letter is not received two weeks prior to the activity, the full physician fee will be charged.		

Group Discount Available

Groups of 3 or more from the same office/institution will receive a \$100 discount off the full registration fee. Registrants must call 216.448.8710 to receive a promotional code for special pricing.

Registration and Cancellation

Preregistrations are accepted until 2:00 pm ET, February 1, 2017. Register on site after this date.

In case of cancellation, email notification is required to process your refund. A full refund will be issued if canceled by January 4, 2017. After January 4, 2017, a \$300 cancellation fee will be deducted from your refund. No refunds will be issued after January 21, 2017.

For questions about registration or cancellation, email us at cmeregistration@ccf.org or call 216.448.8710.

Cleveland Clinic Center for Continuing Education reserves the right to cancel or postpone an activity at our sole discretion. In the unlikely event that this occurs, any registration fee(s) paid will be refunded. Be advised that Cleveland Clinic is not responsible for related costs including airline tickets, hotel costs, or any similar fee penalties incurred as a result of any trip cancellations or changes.

The 19th Annual Pain Management Symposium

FEBRUARY 4 – 8, 2017

Hyatt Regency Grand Cypress Hotel | Orlando, FL



The Cleveland Clinic Foundation
9500 Euclid Avenue, TR204
Cleveland, OH 44195

NON-PROFIT ORG.
U.S. Postage
PAID
Cleveland, OH
Permit No. 1918



REGISTER TODAY! ccfcme.org/2017Pain