The 17th Annual

Pain Management Symposium

FEBRUARY 28 – MARCH 4, 2015
RITZ-CARLTON • SARASOTA, FL

REGISTER TODAY! ccfcme.org/2015Pain
ABOUT THE PAIN MANAGEMENT SYMPOSIUM

The Cleveland Clinic Department of Pain Management is pleased to offer The 17th Annual Pain Management Symposium. We invite you to join us in the beautiful setting of the Ritz-Carlton in Sarasota, Florida, during the week of February 28 – March 4, 2015. 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 have affected the practice of pain management, particularly therapeutic advances. This 5-day Symposium will promote a better understanding of the pathophysiology of acute and chronic pain, enhance knowledge regarding various chronic neuropathic pain conditions, and critically review novel state-of-the-art interventional and noninterventional techniques for diagnosis and management of chronic pain, cancer pain, and headaches. A nationally renowned faculty will provide insightful assessment and clinical practice evaluation of the topics.

In addition to the didactic program, attendees have opportunities to participate in a variety of educational activities. Each day begins with informal discussions with the faculty during the continental breakfasts. On Sunday through Tuesday, there are optional late afternoon problem-based learning discussions. We also invite you to a reception on Saturday evening, which promises to be a fantastic social gathering opportunity for attendees, their families, friends, and faculty.

Exclusive for practicing physicians and pain medicine fellows in training are two unique workshops, offered multiple times throughout the week. On Saturday through Tuesday, there are optional afternoon cadaver workshops on various novel interventional pain management techniques. On Saturday, Sunday, and Monday we offer live ultrasound-guided workshops covering upper, lower extremities and trunk procedures.

WHO SHOULD ATTEND

Practitioners and health care professionals who seek the latest developments in pain medicine, including anesthesia providers, interventional pain specialists, physical medicine and rehabilitation specialists, orthopaedic and spine surgeons, neurologists, headache specialists, palliative care specialists, primary care physicians, physical therapists, physician assistants, and nurses who are interested in the practice of pain management. Due to limited space, all workshops are only offered to practicing physicians or pain medicine fellows in training.

BY ATTENDING, YOU WILL BE ABLE TO:

- Present an in-depth update and analysis of biologic factors, cost efficacy, and addiction potential
- Identify techniques for neuromodulation and neurostimulation including mechanisms of action, cost efficacy, complications, and clinical efficacy
- Describe techniques for evaluating and managing spinal pain
- Demonstrate competencies to perform ultrasound-guided nerve blocks
- Summarize the use of intrathecal therapy, dosing aspects, and quantifying cost
- Review safety, efficacy, and clinical use of therapies for treating pain associated with cancer
- Critically assess innovations in pain management including high-frequency stimulation, burst and adaptive stimulation
- Describe new indications for older drugs and therapies
- Review the pros and cons of controversies in pain medications such as medical marijuana, paresthesia with neurostimulation, pulsed radiofrequency, and radiofrequency ablation
SYMPOSIUM DIRECTOR
Nagy A. Mekhail, MD, PhD
Cleveland Clinic
Cleveland, OH

ORGANIZING COMMITTEE
Robert Bolash, MD
Shrif Costandi, MD
Coordinator, Cadaver Workshops
Loran Mounir-Soliman, MD
Coordinator, Ultrasound Workshops
Deb McChrystal
Nicole Wong

GUEST FACULTY
Aaron Calodney, MD
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Tyler, TX
Timothy R. Deer, MD
Center for Pain Relief
Charleston, WV
Daniel Doleys, PhD
The Doleys Clinic
Birmingham, AL
Leonardo Kapural, MD, PhD
Wake Forest University Health Sciences
Winston-Salem, NC
Elliot Krames, MD
Pacific Pain Treatment Center
San Francisco, CA
Robert M. Levy, MD, PhD
Marcus Neuroscience Institute
Boca Raton, FL
Sharon Merrick, MS, CCS-P
American Society of Anesthesiologists
Washington, DC
Samer Narouze, MD, PhD
Summa Western Reserve Hospital
Cuyahoga Falls, OH
Pamela Palmer, MD, PhD
AcelRx Pharmaceuticals, Inc
Redwood City, CA
Amol Soin, MD
The Ohio Pain Clinic
Centerville, OH
Dmitri Souzdalnitski, MD, PhD
Summa Western Reserve Hospital
Cuyahoga Falls, OH
Peter S. Staats, MD, MBA
Premier Pain Centers
Shrewbury, NJ
Lisa Stearns, MD
Center for Pain and Supportive Care
Phoenix, AZ
Simon Thomson, MD
Basildon and Thurrock University Hospital
Addenbrookes Hospital
Cambridge, United Kingdom
Ricardo Vallejo, MD, PhD
Millennium Pain Center
Bloomington, IL
Maarten Van Kleef, MD, PhD
Maastrict University
Maastrict, Netherlands
Mark Wallace, MD
University of California San Diego
La Jolla, CA
Chris Wells, MD
Pain Matters
Liverpool, United Kingdom
Tony Yaksh, PhD
University of California San Diego
La Jolla, CA

CLEVELAND CLINIC FACULTY
Joseph Abdelfatah, MD
Department of Pain Management
Robert Bolash, MD
Department of Pain Management
Shrif Costandi, MD
Department of Pain Management
Teresa Dews, MD
Department of Pain Management
Ashraf El-Dabh, MD
Regional Obstetrics and Gynecology
Fairview Hospital
Emad Estemalik, MD
Neurological Center for Pain
Wagih Gobrial, MD
Chair, Department of Anesthesiology
Cleveland Clinic Florida
Iain Kalfas, MD
Center for Spine Health
Andre Machado, MD, PhD
Director
Center for Neurological Restoration
Department of Neurosurgery
MaryAnn Mays, MD
Neurological Center for Pain
Loran Mounir-Soliman, MD
Department of Pain Management
Department of General Anesthesia
Richard W. Rosenquist, MD
Chairman
Department of Pain Management
Samuel Samuel, MD
Department of Pain Management
Paul Shin, MD
Department of Pain Management
SATURDAY, FEBRUARY 28, 2015

7:00 am  Registration/Continental Breakfast/Exhibits
         Informal Discussion with Faculty
7:50 am  Welcome/Introduction
         Nagy A. Mekhail, MD, PhD
7:55 am  Opening Remarks
         Richard W. Rosenquist, MD
Presiding: Teresa Dews, MD
8:00 am  Biology of the Transition from Acute to Chronic Pain
         Tony Yaksh, PhD
8:30 am  Pain: Dynamics and Complexity
         Daniel Doleys, PhD
9:00 am  Cost of Pain
         Chris Wells, MD
9:30 am  Pain: Opioids and Addiction
         Daniel Doleys, PhD
10:00 am Refreshment Break/Exhibits
10:30 am Neuromodulation is the Future of Medicine
         Elliot Krames, MD
11:00 am Cost Effectiveness of Neuromodulation
         Simon Thomson, MD
11:30 am Pain and Health Care Reform
         Richard W. Rosenquist, MD
12:00 pm Panel Discussion/Question and Answer Period
12:30 pm Adjourn

6:30 – 8:30 pm Reception (Families Cordially Invited)

SUNDAY, MARCH 1, 2015

7:30 am  Continental Breakfast/Exhibits
         Informal Discussion with Faculty
Presiding: Maarten Van Kleef, MD, PhD
Neurostimulation:
8:00 am  Parethesia Free Stimulation
         Ricardo Vallejo, MD, PhD
8:20 am  Burst Stimulation
         Timothy R. Deer, MD
8:40 am  Adaptive Stimulation
         Aaron Calodney, MD
9:00 am  Targeted Spinal Cord Stimulation
         Timothy R. Deer, MD
9:20 am  Neurostimulation for Diabetic Neuropathy
         Maarten Van Kleef, MD, PhD
9:40 am  Spinal Cord Stimulation Salvage
         Simon Thomson, MD
10:00 am Refreshment Break/Exhibits
10:30 am Imaging Utilization for Spine Disorders
         Iain Kalfas, MD
11:00 am Obesity and Spine Pain
         Samer Narouze, MD, PhD
11:30 am Post Fusion Adjacent Segment Abnormality
         Iain Kalfas, MD
12:00 pm Panel Discussion/Question and Answer Period
12:30 pm Adjourn

6:00 – 7:00 pm Problem-Based Learning Discussion
A. Pain in the Elderly
   Chris Wells, MD
B. ICD-10
   Sharon Merrick, MS, CCS-P
C. Osteoporosis and Vertebral Compression Fractures
   Samuel Samuel, MD

MONDAY, MARCH 2, 2015

7:30 am  Continental Breakfast/Exhibits
         Informal Discussion with Faculty
Presiding: Peter S. Staats, MD
Intrathecal Therapy:
8:00 am  The IT Granuloma: A Phenomenon Reflecting Drug Effects and Distribution
         Tony Yaksh, PhD
8:30 am  IT Pump Longevity and Cost
         Robert Bolash, MD
9:00 am  Opioid Tolerance
         Pamela Palmer, MD, PhD
9:30 am  Challenges and Future of IT Therapy
         Peter S. Staats, MD
10:00 am Refreshment Break/Exhibits
10:30 am IT Therapy for Cancer Pain
         Lisa Stearns, MD
11:00 am Optimizing Pharmacologic Treatment for Cancer Pain
         Mark Wallace, MD
11:30 am PTM: Safety and Efficacy
         Peter S. Staats, MD
12:00 pm Panel Discussion/Question and Answer Period
12:30 pm Adjourn

6:00 – 7:00 pm Problem-Based Learning Discussion
D. Comprehensive Management of Cancer Pain Patients
   Lisa Stearns, MD
E. Documentation and Billing: Between Good Care and Fraud
   Richard W. Rosenquist, MD
F. Clinical Diagnosis of Sacroiliac Joint Pain
   Shrif Costandi, MD
TUESDAY, MARCH 3, 2015

7:30 am  Continental Breakfast/Exhibits
Informal Discussion with Faculty

Presiding: Emad Estemalik, MD

Headache/Facial Pain:

8:00 am  Brain Imaging in Headache
Emad Estemalik, MD

8:20 am  Cluster Headache
MaryAnn Mays, MD

8:40 am  Botox for Migraine
Emad Estemalik, MD

9:00 am  Drug Overuse Headache
MaryAnn Mays, MD

9:20 am  High Cervical Stimulation for Facial Pain
Andre Machado, MD, PhD

9:40 am  Neurostimulation for Headache
Robert M. Levy, MD, PhD

10:00 am Refreshments Break/Exhibits

Innovations in Pain Management:

10:30 am  High Frequency Stimulation:
Outcomes
Leonardo Kapural, MD, PhD

10:45 am  Sodium Nitrite for Neuropathic Pain
Amol Soin, MD

11:00 am  Sufentanil for Acute Pain
Pamela Palmer, MD, PhD

11:15 am  Peripheral Nerve Stimulation for Acute Post-op Pain
Leonardo Kapural, MD, PhD

11:30 am  Electric Nerve Block
Amol Soin, MD

12:00 pm Panel Discussion/Question and Answer Period

12:30 pm Adjourn

6:00 – 7:00 pm Problem-Based Learning Discussion

G. Redefining Fibromyalgia
Chris Wells, MD

H. Local Coverage Determination
Sharon Merrick, MS, CCS-P

I. Pelvic Pain: GYN Perspective
Ashraf El-Dabh, MD

Pelvic Pain: Urologic Perspective
Joseph Abdelmalak, MD

WEDNESDAY, MARCH 4, 2015

7:30 am  Continental Breakfast/Exhibits
Informal Discussion with Faculty

Presiding: Wagih Gobrial, MD

Controversies in Pain Medicine:

8:00 am  Medical Marijuana and Pain
Mark Wallace, MD

8:30 am  Mechanism of Action of Neurostimulation
Elliot Krames, MD

9:00 am  MRI Safe Neurostimulation: Added Value or Added Cost
Aaron Calodney, MD

9:15 am  Epidural Steroids for Spinal Stenosis
Amol Soin, MD

9:30 am  Cervical Transforaminal ESI: Safe and Effective
Shrif Costandi, MD

9:45 am  Cervical Transforaminal ESI: Risky and Should Be Avoided
Teresa Dews, MD

10:00 am Refreshments Break/Exhibits

RFA:

10:30 am  Does the Lesion Size Matter?
Teresa Dews, MD

10:45 am  Does the Temperature Matter?
Shrif Costandi, MD

11:00 am  Pulsed RF: European Experience
Maarten Van Kleef, MD, PhD

11:15 am  Intradiscal Biacuplasty: Long Term Effects
Leonardo Kapural, MD, PhD

11:30 am  Lateral vs Posterior Approach for Cervical Facet RFA
Maarten Van Kleef, MD, PhD

12:00 pm Panel Discussion/Question and Answer Period

12:30 pm Adjourn
**Optional Cadaver Workshops**

1:30 – 5:30 pm  
Fee: $700 Per Workshop Session  
(Physicians only)

Bus will leave at 12:30 pm. A box lunch will be provided. Please sign up on the Symposium registration form. Space is limited, so early registration is recommended. Attendees will rotate to each station.

### Saturday, Session I
1. Sphenopalatine Ganglion Block  
   Samuel Samuel, MD  
2. Lumbar Facets Medial Branch RFA  
   Teresa Deus, MD  
3. Cervical Facets Medial Branch RFA  
   Robert Bolash, MD  
4. Pudendal Nerve/Hypogastric Blocks  
   Joseph Abdelmalak, MD

### Sunday, Session II
1. Thoracic Facet Cooled RFA  
   Shrif Costandi, MD  
2. Transdiscal Biacuplasty  
   Paul Shin, MD  
3. Vertebroplasty  
   Ricardo Vallo, MD, PhD
4. Pudendal Nerve/Hypogastric Blocks  
   Joseph Abdelmalak, MD

### Monday, Session III
1. Cervical Facets Medial Branch RFA  
   Samuel Samuel, MD  
2. Lumbar Facets Medial Branch RFA  
   Paul Shin, MD  
3. Sacral Lateral Branch Cooled RFA for SIJ  
   Teresa Deus, MD  
4. Kyphoplasty  
   Shrif Costandi, MD

### Tuesday, Session IV
1. Atlanto-Axial Joint Blocks  
   Robert Bolash, MD, and  
   Aaron Calodney, MD  
2. Sympathetic Blocks  
   Paul Shin, MD  
3. Trigeminal Nerve Blocks  
   Samuel Samuel, MD  
4. Sacral Lateral Branch Cooled RFA for SIJ  
   Leonardo Kapural, MD, PhD

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**Optional Live Model Workshops**

1:00 – 4:00 pm  
Fee: $500 Per Workshop Session  
(Physicians only)

### Live Ultrasound-Guided Workshops

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**Saturday, Session V**  
Neck and Upper Extremity Blocks (Stellate Ganglion, Cervical Nerve Root, Peripheral Nerves and Joints Injections)  
Loran Mouriri-Soliman, MD; Samer Narouze, MD, PhD; and Dmitri Souzdalnitski, MD, PhD

**Sunday, Session VI**  
Lower Extremity Block (Peripheral Nerves, Joints, Bursa and Tendons Injections)  
Loran Mouriri-Soliman, MD; Samer Narouze, MD, PhD; and Dmitri Souzdalnitski, MD, PhD

**Monday, Session VII**  
Trunk Blocks (TAP, Intercostal Nerves, Paravertebral and Neuraxial Blocks)  
Loran Mouriri-Soliman, MD; Joseph Abdelmalak, MD; and Dmitri Souzdalnitski, MD, PhD

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**TWO WAYS TO REGISTER**

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**ONLINE**  
ccfcme.org/2015pain  
Cleveland Clinic employee fees and registration are available online only.

**BY MAIL**  
The Cleveland Clinic Educational Foundation  
PO Box 931653, Cleveland, OH 44193-1082  
Registration form can be downloaded from the activity website

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**Fees**

Fee includes: Continental breakfasts, refreshment breaks, reception, and faculty presentations online via mobile app or laptop.

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<td>Physician</td>
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*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.

Optional Cadaver Workshops (Physicians Only): $700 per Workshop/Day
Optional Live Model Workshops (Physicians Only): $500 per Workshop/Day

To register "per day," please call CME Registration at 216.448.0777.  
Visit www.ccfcme.org/2015pain for complete registration information.

For registration questions, please send email to cmeregistration@ccf.org or call 216.448.0777.
GENERAL INFORMATION

Location
Ritz-Carlton, Sarasota
1111 Ritz-Carlton Drive
Sarasota, FL 34236
Phone: 941.309.2000
Website: www.ritzcarlton.com

Hotel Accommodations
A block of rooms has been reserved at the Ritz-Carlton, Sarasota for a special rate of $299 (plus tax). To obtain these special rates, you must make your reservations by Tuesday, January 27, 2015.

To make your reservations, go to www.ccfcme.org/painhotel or contact the Hotel Reservations Department at 888.838.3439. Identify yourself as an activity attendee for the CCF Pain Management 2015.

Parking
Valet: Overnight $15 per day and Daily $8 per day.

Climate
The temperature in March averages 76°F (25°C).

Information
For further information about this activity, contact the Cleveland Clinic Center for Continuing Education.

Local: 216.448.0770
Toll Free: 800.238.6750
Website: ccfcme.org/2015pain

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 39.25 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.

The Ohio Board of Nursing will accept at face value the number of contact hours awarded for an educational activity that has been approved for CE by a nationally accredited system of CE approval. Therefore, the 39.25 AMA PRA Category 1 Credits™ will be accepted for nursing credits.

Faculty Disclosure
The Cleveland Clinic Foundation Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Commercial Support requiring resolution of all faculty conflicts of interest. Faculty declaring a relevant commercial interest will be identified in the activity syllabus.

Free app for all attendees!
Access presentations anytime, anywhere
Take notes, draw, or highlight

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