



**Cleveland Clinic**

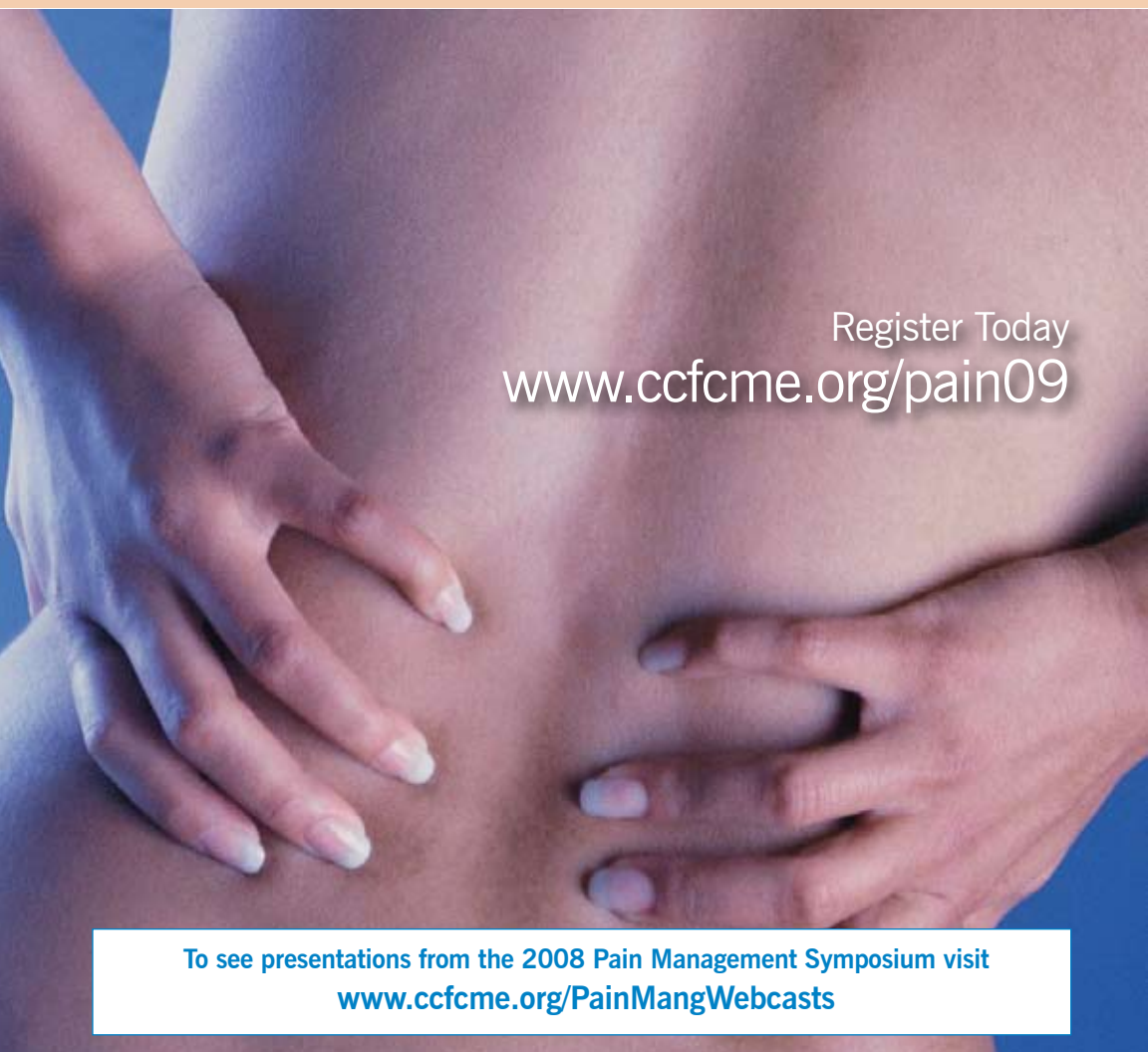
**Department of Pain Management**

The 11th Annual

# Pain Management Symposium

February 28 – March 4, 2009

Hyatt Regency Bonaventure Conference Center & Spa  
Fort Lauderdale, Florida



Register Today

[www.ccfcmc.org/pain09](http://www.ccfcmc.org/pain09)

To see presentations from the 2008 Pain Management Symposium visit  
[www.ccfcmc.org/PainMangWebcasts](http://www.ccfcmc.org/PainMangWebcasts)

## About the Symposium

The Cleveland Clinic Department of Pain Management is pleased to announce “The 11th Annual Pain Management Symposium.” We invite you to escape the cold winter weather during the week of February 28 – March 4, 2009 and join us in the beautiful setting of the Hyatt Regency Bonaventure Conference Center and Spa in Ft. Lauderdale, Florida, to share in a dynamic five-day symposium focused on the advances in pain medicine and regional anesthesia/analgesia.

Tremendous changes have affected the practice of pain management and regional anesthesia, particularly in relation to advances in pharmacologic and intervention aspects. Also, the goal of this symposium is to promote a better understanding of the pathophysiology of acute and chronic pain and to enhance the knowledge regarding various chronic neuropathic pain conditions as well as to critically review the novel state-of-the-art interventional and noninterventional techniques in diagnosis and management of chronic pain, cancer pain, and headache. We have assembled a nationally and internationally renowned faculty to address current topics in acute and chronic pain management and regional anesthesia.

Each day will begin with the opportunity to interact with the faculty in informal discussion during the continental breakfast. On Saturday through Tuesday, we offer an afternoon optional cadaver workshop on various novel interventional pain management techniques. On Saturday, we will offer a live ultrasound guided workshop covering upper and lower extremities, neck, and lumbar spine procedures. On Sunday through Tuesday, we offer optional late afternoon problem-based learning discussions. We also invite you to the Reception on Saturday evening, which promises to be a fantastic social gathering opportunity for attendees, their families, friends, and faculty.

## Target Audience

Practitioners and health care professionals who seek the latest developments in pain medicine, anesthesia providers, interventional pain specialists, orthopaedic and spine surgeons, primary care physicians, physical therapists, physician assistants, and nurses who are interested in the practice of pain management.

## Objectives

As a result of attending the symposium, the participant will be able to do the following:

- Present current information about acute and chronic pain.
- Identify new techniques and technology in interventional pain management.
- Present new information on the management of headache.
- Design a state-of-the-art management plan for acute and chronic pain of spinal origin.
- Describe the genetic bases, pathophysiology, clinical presentation, and treatment of neuropathic pain.
- Identify current information on pain management, long-term opioids use, and addiction.
- Demonstrate current techniques for regional anesthesia/analgesia to prevent chronic pain.
- Evaluate new information on cancer pain management and interspinal drug delivery systems and its implication on patient care.
- Identify the most common complications and describe novel techniques of risk management in pain medicine.
- Provide new information on the management of fibromyalgia and psychogenic pain.
- Create a plan to build and advance a pain practice.



## Symposium Director

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NAGY A. MEKHAIL, MD, PhD  
Professor of Anesthesiology  
Chairman, Department of Pain Management  
Anesthesiology Institute  
Cleveland Clinic

## Symposium Organizing Committee

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SAMER NAROUZE, MD  
WAGIH GOBRIAL, MD  
VIKRAM B. PATEL, MD (*Workshops Coordinator*)  
MELISSA SZAKACS

## Guest Faculty

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SALAHADIN ABDI, MD, PhD  
Professor and Chief  
University of Miami Pain Center  
Department of Anesthesiology  
Miller School of Medicine  
Miami, Florida

GERALD M. ARONOFF, MD, DABPM  
Medical Director  
Carolina Pain Associates  
Adjunct Associate Professor  
Department of Psychiatry  
Duke University Medical Center  
Charlotte, North Carolina

RAMSIN BENYAMIN, MD, DABIPP  
Clinical Assistant Professor  
of Surgery  
College of Medicine, University  
of Illinois  
Bloomington, Illinois

ALLEN W. BURTON, MD  
Professor of Anesthesiology and  
Pain Medicine  
UT MD Anderson Cancer Center  
Houston, Texas

TIMOTHY R. DEER, MD  
President and CEO  
The Center for Pain Relief  
Charleston, West Virginia

SUDHIR A. DIWAN, MD  
Director, Division of Pain Medicine  
New York Presbyterian Hospital  
Weill Cornell Medical College  
New York, New York

DANIEL DOLEYS, PhD  
Director, The Pain and  
Rehabilitation Institute  
Birmingham, Alabama

PHILIP FINCH, MBBS (WA),  
FFARCS, DRCOG, FFMANZCA, FIPP  
Adjunct Professor  
Division of Health Sciences  
Murdoch University  
Western Australia

IRA B. FOX, MD, DABPM, FIPP  
President and Founder  
Anesthesia Pain Care Consultants  
Tamarac, Florida

LEE GRIFFITH, MD  
Ascend Spinecare  
Tyler, Texas

SALIM HAYEK, MD, PhD  
Associate Professor  
Case Western Reserve University  
Chief, Division of Pain Medicine  
University Hospitals  
Cleveland, Ohio

MARC A. HUNTOON, MD  
Consultant in Anesthesiology and  
Pain Medicine  
Mayo Clinic  
Rochester, Minnesota

THOMAS J. KRAUS, DO, MSE  
Pain Management Services, Inc.  
Brookwood Medical Center  
Birmingham, Alabama

MARK LEMA, MD, PhD  
Chairman of Anesthesiology  
Critical Care and Pain Medicine  
Roswell Park Cancer Institute  
University of Buffalo  
Buffalo, New York

ROBERT M. LEVY, MD, PhD  
Professor of Neurological Surgery  
Feinberg School of Medicine  
Northwestern University  
Chicago, Illinois

PATRICK R. MCGOWAN, MBChB,  
DA(UK), FRCA, FIPP  
Clinical Director & Consultant in  
Pain Medicine  
Barnet & Chase Farm Hospitals  
NHS Trust  
London, UK

NILESH PATEL, MD, MBA  
Clinical Professor, Anesthesiology  
Coastal Orthopedics, Pain  
and Rehabilitation  
Bradenton, Florida

VIKRAM B. PATEL, MD, FIPP  
President and Medical Director  
ACMI Pain Care  
Algonquin, Illinois

NARINDER RAWAL, MD, PhD  
Department of Anaesthesiology &  
Intensive Care  
University Hospital  
Orebro, Sweden

ATHINA VADALOUKA, MD, PhD, FIPP  
Associate Professor of Anesthesia  
Pain Relief and Palliative Care  
University of Athens  
Athens, Greece

RICARDO VALLEJO, MD, PhD, FIPP  
Director of Research  
Millennium Pain Center  
Bloomington, Illinois

## Cleveland Clinic Faculty

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DAVID BROWN, MD  
Chairman, Anesthesiology Institute

JIANGUO CHENG, MD, PhD  
Staff, Department of Pain  
Management

WAGIH GOBRIAL, MD  
Chairman, Division of Anesthesiology  
Cleveland Clinic Weston, Florida

ISADOR H. LIEBERMAN, MD, MBA,  
FRCS(C)  
Professor of Surgery  
Chairman, Medical, Interventional  
& Surgical Spine Center  
Cleveland Clinic Florida

ANDRE MACHADO, MD, PhD  
Associate Staff, Center for  
Neurological Restoration  
Department of Neurosurgery

BETH MINZTER, MD  
Staff, Department of Pain  
Management

LORAN MOUNIR SOLIMAN, MD  
Section Head  
Anesthesia for Orthopaedic Surgery  
Department of General  
Anesthesiology

SAMER NAROUZE, MD  
Director, Pain Medicine Fellowship  
Department of Pain Management

LOKESH NINGEGOWDA, MD  
Staff, Department of Pain  
Management

ALI REZAI, MD  
Chairman  
Center for Neurological Restoration  
Department of Neurosurgery

SAMEH YONAN, MD  
Staff, Department of Pain  
Management



# Symposium Daily Agenda

## Saturday, February 28, 2009

7:00 am Registration/Continental Breakfast/Exhibits  
Informal Consultation with Faculty

7:50 am Welcome/Introduction  
*Nagy A. Mekhail, MD, PhD*

Presiding: *Wagih Gobrial, MD*

8:00 am Neuropathic Pain and Genetics  
*Philip Finch, MBBS*

8:30 am Pain Assessment: Traditional and  
Non-traditional  
*Daniel Doleys, PhD*

9:00 am Evaluation and Management of  
Co-morbidities Associated with Chronic Pain  
*Patrick McGowan, MBChB*

9:30 am Psychogenic Pain: Real or Imagined?  
*Daniel Doleys, PhD*

10:00 am Refreshment Break and Exhibits

10:30 am Opioids, Pain, and Addiction  
*Daniel Doleys, PhD*

11:00 am Interspinal Drug Delivery for Cancer and  
Chronic Pain  
*Salim Hayek, MD, PhD*

11:30 am Opioids, Pain, and the Law  
*David Brown, MD*

12:00 pm Panel Discussion/Question and Answer Period

12:30 pm Adjourn

6:30 pm - 8:00 pm Reception

(Families cordially invited)

Courtesy of The Cleveland Clinic Department of Pain Management



## Sunday, March 1, 2009

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

Presiding: *Samer Narouze, MD*

### Evidence-Based Pain Management

8:00 am Epidural Steroid Injections  
*Salahadin Abdi, MD, PhD*

8:30 am Thermal and Pulsed RF Lesions  
*Ricardo Vallejo, MD, PhD*

9:00 am Lumbar Fusion and Disc Arthroplasty  
*Isador H. Lieberman, MD, MBA*

9:30 am Discogenic Low Back Pain  
*Salahadin Abdi, MD, PhD*

10:00 am Refreshment Break and Exhibits

10:30 am Transverse Tripole Stimulation  
*Timothy R. Deer, MD*

11:00 am Deep Brain Stimulation for Chronic Pain  
*Andre Machado, MD, PhD*

11:30 am Long-Term Opiates for Chronic Pain  
*Marc A. Huntoon, MD*

12:00 pm Panel Discussion/Question and Answer Period

12:30 pm Adjourn

### 6:00 – 7:00 pm

#### Problem-Based Learning Discussions

(Please indicate your choice on the registration form)

A) Spinal Canal Stenosis: Pain Management Options  
*Thomas J. Kraus, DO, MSE*

B) Methadone: Old Drug and New Risks  
*Allen W. Burton, MD*

C) How to Advance Your Pain Practice  
*Ira Fox, MD*

### Optional Live Model Workshop

2:00 – 5:00 PM

Fee: \$300

Please sign up on the  
symposium registration form.

Space is limited so early  
registration is recommended.

#### Saturday, February 28, 2009 Session I

##### Live Ultrasound Guided Workshop

This will cover upper & lower  
extremities, neck and lumbar  
spine procedures.

### Optional Cadaver Workshops

1:30 – 5:30 PM

Fee: \$600 per Workshop

Please sign up on the symposium registration form.

Space is limited so early registration is recommended.

Attendees will spend 2 hours at each station.

#### Saturday, February 28, 2009 Session II

1. Head and Neck Blocks; Trigeminal, Atlantoaxial and C2 Blocks
2. Kyphoplasty/Vertebroplasty

#### Sunday, March 1, 2009 Session III

1. RFA of Cervical, Lumbar Facets, and Sacroiliac Joint
2. Intradiscal Procedures: Discography, IDET, Biacuplasty, and Disc Decompression

#### Monday, March 2, 2009 Session IV

1. Sympathetic Blocks; Splanchnic, Celiac, Hypogastric, and Ganglion Impar
2. Kyphoplasty/Vertebroplasty

#### Tuesday, March 3, 2009 Session V

1. RFA of Cervical, Lumbar Facets, and Sacroiliac Joint
2. Intradiscal Procedures: Discography, IDET, Biacuplasty, and Disc Decompression

## Monday, March 2, 2009

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- 7:30 am Continental Breakfast/Exhibits  
Informal Consultation with Faculty
- Presiding: *Nilesh Patel, MD, MBA*
- My Technique Symposium  
Presentation by the Experts**
- 8:00 am Cooled Radiofrequency for the SIJ "Slnergy"  
*Nilesh Patel, MD, MBA*
- 8:15 am Cervical Neuroplasty  
*Ira Fox, MD*
- 8:30 am Functional Discography  
*Nagy A. Mekhail, MD, PhD*
- 8:45 am Ultrasound-Guided Cervical Spine Procedures  
*Samer Narouze, MD*
- 9:00 am Transdiscal Biacuplasty  
*Vikram B. Patel, MD*
- 9:15 am Sacroplasty  
*Ramsin Benyamin, MD*
- 9:30 am Subrachoroid Neuroanalysis  
*Mark Lema, MD, PhD*
- 9:45 am Kyphoplasty  
*Allen W. Burton, MD*
- 10:00 am Refreshment Break and Exhibits
- 10:30 am Cranial and Peripheral Nerve Stimulation  
for Headache  
*Robert M. Levy, MD, PhD*
- 10:45 am Cervical Facets RFA  
*Lee Griffith, MD*
- 11:00 am Ultrasound Guided Peripheral  
Nerve Stimulation  
*Marc A. Huntoon, MD*
- 11:15 am Lumbar Disc Decompression  
*Jianguo Cheng, MD, PhD*
- 11:30 am Ganglion Impar Block  
*Sudhir Diwan, MD*
- 11:45 am Cooled RFA Thoracic Facet MB Ablation  
*Nagy A. Mekhail, MD, PhD*
- 12:00 pm Panel Discussion/Question and Answer Period
- 12:30 pm Adjourn

**6:00 – 7:00 pm  
Problem-Based Learning Discussions**  
*(Please indicate your choice on the registration form)*

- D) Chronic Testicular Pain  
*Patrick McGowan, MBChB*
- E) Functional Trialing for Intrathecal Opioids  
*Thomas J. Kraus, DO, MSE*
- F) Pharmacologic Therapy for Neuropathic Pain  
*Athina Vadalouka, MD, PhD*

## Tuesday, March 3, 2009

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- 7:30 am Continental Breakfast/Exhibits  
Informal Consultation with Faculty
- Presiding: *Jianguo Cheng, MD, PhD*
- Emerging Therapies**
- 8:00 am Topical Agents for Chronic Pain  
*Philip Finch, MBBS*
- 8:30 am Neurotoxins for Chronic Pain  
*Timothy R. Deer, MD*
- 9:00 am Sphenopalatine Ganglion Blocks/  
Stimulation for Headache  
*Samer Narouze, MD  
Ali Rezai, MD*
- 9:30 am Intrathecal Gabapentine for  
Neuropathic Pain  
*Ricardo Vallejo, MD, PhD*
- 10:00 am Refreshment Break and Exhibits
- 10:30 am Botox for Chronic Pain and Headache  
*Salim Hayek, MD, PhD*
- 11:00 am Abuse-resistant Formulations in  
Pain Medicine  
*Gerald M. Aronoff, MD*
- 11:30 am Neurostimulation for Pain and  
Motor Disorders: Where is the Evidence?  
*Ali Rezai, MD*
- 12:00 pm Panel Discussion/Question and Answer Period
- 12:30 pm Adjourn

- 6:00 – 7:00 pm  
Problem-Based Learning Discussions**  
*(Please indicate your choice on the registration form)*
- G) Fibromyalgia: New Approach for an Old Disease  
*Gerald M. Aronoff, MD*
- H) Herpes Zoster and Post Herpetic Neuralgia  
*Mark Lema, MD, PhD*
- I) Neuropathic Pain in Cancer Patients  
*Athina Vadalouka, MD, PhD*

## Wednesday, March 4, 2009

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- 7:30 am Continental Breakfast/Exhibits  
Informal Consultation with Faculty
- Presiding: *Beth Minzter, MD*
- Risk Management**
- 8:00 am Radiation Safety  
*Beth Minzter, MD*
- 8:20 am Infection in Interventional Pain Medicine  
*Sudhir A. Diwan, MD*
- 8:40 am Blunt vs Sharp Needles: Reality or Heresy?  
*Nilesh Patel, MD, MBA*
- 9:00 am Intrathecal Granuloma  
*Robert M. Levy, MD, PhD*
- 9:30 am Complications of Interventional  
Pain Medicine  
*Ramsin Benyamin, MD*
- 10:00 am Refreshment Break and Exhibits
- 10:30 am Strategies to Prevent Chronic Pain  
*Narinder Rawal, MD, PhD*
- 11:00 am Medicolegal Strategies: Prevent or Face  
Lawsuits  
*Nilesh Patel, MD, MBA*
- 11:30 am Future Pain Practice Paradigms  
*Mark Lema, MD, PhD*
- 12:00 pm Panel Discussion/Question and Answer Period
- 12:30 pm Adjourn

# General Information

## Location

Hyatt Regency Bonaventure Conference Center & Spa  
250 Racquet Club Road  
Weston, FL 33326-US  
Tel: (954) 616-1234  
Fax: (954) 384-0653  
[www.bonaventure.hyatt.com](http://www.bonaventure.hyatt.com)

Escape to a remarkable 23-acre retreat at this Weston, Florida hotel. Stay at the newly renovated Hyatt Regency Bonaventure Conference Center and Spa, 20 minutes from the airport. Relax in elegant rooms with handsome marble baths. Pamper yourself at our extraordinary Elizabeth Arden spa. Work out in a state-of-the-art fitness center. Tee off on a championship golf course. Dive into our stunning pool with a cascading waterfall. Allow the attentive, friendly staff to serve you at our restaurant. Walk through serene gardens as swans glide by and Koi dart through the pond. Visit nearby attractions like the Everglades, Sawgrass Mills, and Fort Lauderdale.

## Registration and Cancellation

Pre-registrations are accepted by fax or online until 4:00 pm EST on February 24, 2009. To register after this date, you must do so on-site. In case of cancellation, a full refund will be made if canceled by February 11, 2009. After February 11, 2009, a \$100 cancellation fee will be deducted from your refund. Written notification of your cancellation is required in order to process your refund. **NO REFUNDS WILL BE ISSUED AFTER MARCH 31, 2009.**

## Americans with Disabilities Act

The Cleveland Clinic Foundation Center for Continuing Education fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify UNITECH Communications® at 216-448-0770 at least two weeks prior to the activity.



## Hotel Accommodations

A block of rooms has been reserved at the Hyatt Regency Bonaventure until January 26, 2009. To make your reservations, contact the Hotel Reservations Department at 954-616-1234 or 800-233-1234. Please identify yourself as being with the Cleveland Clinic Pain Management Symposium for a special rate of \$279 single/double plus tax.

## Parking

Valet parking and self-parking is available at the hotel.

- Complimentary self-parking is offered on-site
- Valet parking is \$10 per day
- Parking includes in and out privileges

## Ground Transportation

There is shuttle or taxi cab service, 24 hours a day, 7 days a week to and from either Miami International Airport or Fort Lauderdale International Airport. All arriving guests will find courtesy phones at all baggage claim areas. Advance reservations are recommended for large groups. Fares range from \$20-\$50 each way.

## Information

For further information about this Symposium, contact UNITECH Communications® at 216-448-0770 or Toll Free, 800-238-6750.

Web Address: [www.cfcme.org/pain09](http://www.cfcme.org/pain09)

For questions about registering online, call 216-448-0777.

## Accreditation

The Cleveland Clinic 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 educational activity for a maximum of 23.25 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

An additional 4 *AMA PRA Category 1 Credits™* are designated for each cadaver workshop and 3 *AMA PRA Category 1 Credits™* are designated for the Live Model Workshop.

This activity may be submitted for American Osteopathic Association Continuing Medical Education credit in Category 2.

## 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.

# REGISTRATION FORM

## 11th Annual Pain Management Symposium

February 28 - March 4, 2009

Hyatt Regency Bonaventure Conference Center & Spa | Ft. Lauderdale, Florida

Course # 011592  
Office Use Only

Fee \_\_\_\_\_ Date \_\_\_\_\_  
MOP \_\_\_\_\_ CXL/Fee \_\_\_\_\_

### FEES

Fee includes: *syllabus, continental breakfasts, and refreshment breaks*

Payment must be received prior to admittance to the course. Purchase orders are not accepted.

<input type="checkbox"/> Physician	\$750.00
<input type="checkbox"/> Comprecare Affiliate Member (ID# _____)	\$487.00
<input type="checkbox"/> Cleveland Clinic Alumnus	\$450.00
<input type="checkbox"/> American Society of Regional Anesthesia and Pain Medicine (ASRA) Member	\$675.00
<input type="checkbox"/> CRNA	\$625.00
<input type="checkbox"/> Resident*/Fellow*/Nurses/S-RNA (Student)	\$375.00

\* Letter from program director must be received in our office prior to the symposium to receive this fee.

### REGISTER ONLINE

[www.ccfcmec.org/Pain09](http://www.ccfcmec.org/Pain09)

Once you register online, please do not mail or fax in a registration form

### PLEASE SELECT APPROPRIATE FIELDS

I will attend the Reception Number of People Attending \_\_\_\_\_

#### Problem-Based Learning Discussion Sign-Up

Fee: Complimentary

6:00 – 7:00 pm

Indicate your choice

Sunday  A  B  C  
Monday  D  E  F  
Tuesday  G  H  I

#### Optional Live Model Workshop

Fee: \$300

2:00 – 5:00 pm

I.  Saturday

#### Optional Cadaver Workshop Sign-Up

Fee: \$600 per Workshop/Day

1:30 – 5:30 pm

Indicate your choice

II.  Saturday III.  Sunday  
IV.  Monday V.  Tuesday

### PLEASE PRINT – complete the information below if registering by mail or fax

First Name: \_\_\_\_\_ MI: \_\_\_\_\_

Last Name: \_\_\_\_\_

Degree/Title: \_\_\_\_\_ Specialty: \_\_\_\_\_

Office/Institution: \_\_\_\_\_

Preferred Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Office Phone: \_\_\_\_\_ Office Fax: \_\_\_\_\_

Email Address: \_\_\_\_\_

Registration Fee \$ \_\_\_\_\_

Cadaver Workshop(s) \$ \_\_\_\_\_

Live Model Workshop \$ \_\_\_\_\_

**Total amount enclosed or to be charged \$ \_\_\_\_\_**

### MAIL – make check payable to: The Cleveland Clinic Educational Foundation, or charge to the following account

Visa  MasterCard  American Express  Discover

Card Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

Signature: \_\_\_\_\_ 3 or 4 Digit Verification Number: \_\_\_\_\_

Fax Number: 216-445-9406

Mailing Address: The Cleveland Clinic Educational Foundation • P.O. Box 931653 • Cleveland, OH 44193-1082

Attend our sister course at the same hotel immediately following the 11th Pain Management Symposium

## Palliative Medicine & Supportive Oncology 2009

The 13th Annual International Symposium

March 5-7, 2009

Hyatt Regency Bonaventure Conference Center & Spa | Ft. Lauderdale, Florida

For more information visit [www.ccfcmec.org/pm09](http://www.ccfcmec.org/pm09)





T h e 1 1 t h A n n u a l

# Pain Management Symposium

February 28 – March 4, 2009

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To see presentations from the 2008 Pain Management Symposium visit  
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**Cleveland Clinic**

The Cleveland Clinic Foundation  
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Cleveland, Ohio 44195

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