The Fourth Annual UPMC Pain Management Symposium is an academically focused meeting designed to provide health care professionals with the latest trends, techniques, therapies and interventional procedures in pain research and pain management. The expert faculty will focus on the pain patient as a whole, addressing acute as well as chronic pain. Participation in the symposium will provide the attendee a multifaceted view of managing a patient's pain throughout the adult life span including the end of life process. It will address sensitive ethical and regulatory issues, offer interactive specialty tracks, and scientific poster presentations. The symposium will also provide hands-on for the use of ultrasound for guided peripheral nerve blocks and peripheral nerve block techniques for peritendinous surgical procedure.

An application for contact hours for the Nursing track on Friday has been submitted to the UPMC Provider Unit of the PA State Nurses Association, an accredited approver by the American Nurses Credentialing Center’s Commission on Accreditation.

Determination of credit is pending. To receive contact hours, the participant must attend the entire session and complete the evaluation form and sign-in sheets and return all information before leaving the course.

The University of Pittsburgh School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The University of Pittsburgh School of Medicine designates the chronic care track on Saturday for a maximum of 6.5 AMA PRA Category 1 Credits™. Each physician should only claim credit commensurate with the extent of their participation in the activity. Other healthcare professionals are awarded 0.65 continuing education credits (CEU's) which are equal to 6.5 contact hours. The University of Pittsburgh School of Medicine designates the acute track on Saturday for a maximum of 10.75 AMA PRA Category 1 Credits™. Each physician should only claim credit commensurate with the extent of their participation in the activity. Other healthcare professionals are awarded 1.075 continuing education units (CEU's) which are equal to 10.75 contact hours.

*Participants may not coincidentally claim credit for the Saturday Chronic and Acute Tracks which overlap.

Planning Committee
Cheryl Bernstein, MD
Jacques Chelly, MD, PhD, MBA
Doris Cope, MS, MD
Colleen Dunwoody, MS, RN-BC
Angela Felix, BA
Lois Pizzi, BSN, RN-BC
Euphemia Powell, RN- BC

The conference will be held at the Nemacolin Woodlands, located at 1001 Lafayette Drive, Farmington, PA 15437. A block of rooms has been reserved at the Nemacolin Woodlands if you should require one. The group rate for the Lodge is $159 per night plus applicable taxes. The group rate for the Chateau is $209 per night plus applicable taxes. Please call and mention that you are attending the UPMC Pain Management Symposium in order to secure the reduced symposium rate available until September 17, 2008, or as long as rooms are available.

Participation by all individuals is encouraged. Advance notification of any special needs will help us provide better service. Please notify us of your needs at least two weeks in advance of the program by calling 412-623-4135

Transportation: Ground transportation is available from Pittsburgh International Airport. For information and reservations call: 800-422-2736

Registration Fees

<table>
<thead>
<tr>
<th>Registration Rates</th>
<th>Early Registration Rates</th>
<th>Late Registration Rates (After October 15, 2008)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Friday &amp; Saturday</td>
<td>All three Days</td>
</tr>
<tr>
<td>MD, DO, PhD</td>
<td>$175 $275</td>
<td>$300</td>
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<tr>
<td>CRNA</td>
<td>$100 $150</td>
<td>$150</td>
</tr>
<tr>
<td>RN, Residents &amp; Others</td>
<td>$100 $150</td>
<td>$125</td>
</tr>
<tr>
<td>UPMC Employees</td>
<td>$50 $100</td>
<td>$125</td>
</tr>
</tbody>
</table>

Registration fee includes: * Continuing education credit * Registration and course materials * Breakfast, refreshments and lunch

Who Should Attend
This course is designed for pain and primary care physicians, neurologists, emergency room and rehab physicians, gastroenterologists, physiatrists, surgeons, anesthesiologists, internal medicine and family practice physicians and general practitioners, residents, fellows, pharmacists, CRNAS, CRNP's, PA-C's, nurses and anyone interested in pain management.

Registration Cancellation: All cancellations must be in writing and sent to us via U.S. mail, e-mail or fax. Tuition for cancellations postmarked or date stamped before October 15 will be completely refunded. After October 15, a $35 administrative fee will be assessed. No refunds will be made after October 21.

Conference Contact for Cancellation Requests: Angela Felix, UPMC Shadyside Hospital, 5220 Centre Avenue, Suite M-104, Posner Pain Center, Pittsburgh PA 15232 • Email:Felixa@upmc.edu Phone: (412) 623-4135 • Fax: (412) 623-4188.

Course Directors
Cheryl Bernstein, MD
Jacques E. Chelly, MD, PhD, MBA
Colleen J. Dunwoody, MS, RN-BC

For additional information please contact: Nursing Program: Colleen Dunwoody @412-647-7117
Acute Pain Program: Angela Felix @412-623-4135 and Chronic Pain Program: Mary Felix @412-665-8048
Nursing Track
Friday November 7, 2008

Objectives

At the conclusion of the Nursing Track, participants will be able to:

List three unique aspects of Methadone compared to other opioids
Calculate a Methadone dose from oral morphine
Identify factors unique to pain assessment
Describe how to evaluate pain treatment
Describe the pharmacological treatment of pain
Discuss the effect emotional pain has on physical pain
Recognize sites and benefits of regional analgesia in the post-op patient
Describe the nursing responsibilities of caring for the patient with a peripheral nerve block
Explain the standard required for care of patients receiving opioid and/or sedative medications.
Explain how breach of above standards can affect the patient, family, and the nurse.
Describe the impact of a trial on a nurse
Describe the impact of documentation on the outcome of a trial
Describe rationale for investigation of pain from a genetics perspective
Discuss current pain research from a genetics perspective
Recognize sites and benefits of regional analgesia in the post-op patient
Describe the impact of documentation on the outcome of a trial
Discuss Condition H calls related to pain management.
Describe multimodal pain management techniques.
Explain the difference between neuraxial (epidural) analgesia and peripheral nerve block analgesia.

Program

Registration
Breakfast, Posters & Exhibit

Welcome
Colleen J. Dunwoody MS, RN-BC
Advanced Practice Nurse – Pain Management UPMC Presbyterian Shadyside

Methadone for Chronic Pain Treatment
Melanie Simpson RN-BC, MS, OCN, CHPN
Pain Management Team Coordinator
The University of Kansas Hospital, Kansas City, Kansas

Pain Management for the Adolescent Patient
Carol May RN, MSN, MBA, CHPN
Manager - Supportive Care Program
Children’s Hospital of Pittsburgh of UPMC

Multimodal Analgesia
Lois Pizzi BSN, RN-BC
Inpatient Pain Management Coordinator
UPMC Presbyterian Shadyside

Genetics and Pain
Yvette Perry Conley PhD
Associate Professor – University of Pittsburgh School of Nursing

Condition H
Tiffany Musick MD
UPMC Shadyside
Lois Pizzi RN-BC, BSN
Inpatient Pain Management Coordinator, UPMC Shadyside
Linda DePasquale, BA
Patient Relations Coordinator, UPMC Shadyside

Adjournment
Colleen J. Dunwoody MS, RN-BC

Faculty

Yvette Perry Conley PhD
Associate Professor
University of Pittsburgh School of Nursing

Linda DePasquale, BA
Patient Relations Coordinator
UPMC Presbyterian Shadyside

Colleen J. Dunwoody MS, RN-BC
Advanced Practice Nurse – Pain Management UPMC Presbyterian Shadyside

Carol May, RN, MSN, MBA, CHPN
Manager – Supportive Care Program
Children’s Hospital of Pittsburgh of UPMC

Tiffany Musick, MD
UPMC Presbyterian Shadyside

Lois Pizzi, BSN, RN-BC
Inpatient Pain Management Coordinator
UPMC Presbyterian Shadyside

Linda Reid, MSN, JD
Senior Risk Specialist
UPMC Presbyterian Shadyside

Melanie Simpson RN-BC, MS, OCN, CHPN
Pain Management Team Coordinator
The University of Kansas Hospital, Kansas City, Kansas

The UPMC/Center for Continuing Education in the Health Sciences reserves the right to cancel this program if sufficient registrations are not received. In the case of cancellation, the department will fully refund registration fee. However, other costs incurred by the registrant, such as airline or hotel penalties, are the responsibility of the registrant.
At the conclusion of the Chronic Pain Track, participants will be able to:
- Increase the awareness of pain as a hallmark feature of sickle cell disease.
- Describe the unique clinical challenge associated with the variability and unpredictability of the acute painful episode (painful crisis).
- Discuss specific methods of patient evaluation.

Highlight the undertreatment of pain in sickle cell disease and its consequences.

Present clinical outcomes for acute and frequently recurring acute (chronic) pain employing biopsychosocial assessment, treatment and prevention strategies.

Educate the prescriber as to the types of tactics being used by drug seekers to acquire controlled substances.

Educate the prescriber as to the current prices of pharmaceuticals on the black market.

Educate the prescriber how he/she can prevent falling victim to over-prescribing to drug seeking individuals.

Develop system for differentiating common diagnosis for frequent headaches.

Develop approach to clinical assessment and testing for headache patients.

Understand effective treatment options for controlling frequent headaches.

Discuss Pathophysiology of peripheral neuropathy.

Review new insights into neuropathic pain.

Review how peripheral neuropathy does lead to chronic pain and discuss treatment options for peripheral neuropathy.

Diagnosis and treatment of compression fractures.

Indication for kyphoplasty.

Results and complications of kyphoplasty.

Discuss recent advances in Fibromyalgia.

Review Fibromyalgia pathogenesis.

Discuss recent medical management options for Fibromyalgia.

Indications for spinal cord stimulation for refractory malignant and non-malignant pain.

Indications for spinal cord intrathecal opioids for malignant and non-malignant pain.

Interventional modalities for chronic malignant and non-malignant pain.

Describe common pitfalls in having difficult conversation at the end of life.

Describe a strategy for having difficult conversations at the end of life.

Describe three practical phrases for difficult conversations at the end of life.

**Faculty**

- Cheryl Bernstein, MD
  Assistant Professor of Anesthesiology
  Division of Pain Medicine

- Robert M. Arnold, MD
  Professor Department of Medicine
  Director, Section of Palliative Care and Medical Ethics
  University of Pittsburgh
  School of Medicine

- Zong Fu Chen, MD
  Clinical Assistant Professor of Anesthesiology
  University of Pittsburgh
  School of Medicine
  UPMC Pain Medicine @ Montourville

- Doris K. Cope, MD
  Professor and Vice Chairman of Pain Medicine
  Department of Anesthesiology
  University of Pittsburgh
  School of Medicine
  Director, Interprofessional Program on Pain Research, Education and Health Care
  University of Pittsburgh
  Schools of Health Sciences

- Edward K. Heres, MD
  Clinical Associate Professor of Anesthesiology
  University of Pittsburgh
  School of Medicine
  UPMC Pain Medicine @ Centre Commons

- Dawn A. Marcus, MD
  Associate Professor
  Department of Anesthesiology/CCM
  Coordinator Pain Evaluation & Treatment Institute
  Interdisciplinary Headache Clinic
  Director of Research at the Multidisciplinary Headache Clinic

- Jonathan Moss, MD, PhD
  Professor of Anesthesiology & Critical Care
  The University of Chicago Medical Center

- Vincent J. Silvaggio, MD
  Clinical Instructor Orthopedic Surgery
  Chairman, Department of Orthopedic Surgery, UPMC St. Margaret

**Poster Committee**

- Doris K. Cope, MS, MD
  Deborah Bloomberg
  Academic Administrative Assistant
  University of Pittsburgh Medial Center

**Program**

- Registration
  Breakfast, Posters & Exhibit

- Introduction
  Doris K. Cope, MD
  John P. Williams, MD

- Pain Management in Sickle Cell Disease
  Lennette J. Benjamin, MD

- Current Trends in Pharmaceutical Drug Diversion
  Edward Cartwright

- Break/ Exhibits/ Posters

- Diagnosis and Management of Frequent Headaches
  Dawn A. Marcus, MD

- Neuropathic Pain and Peripheral Neuropathy
  Edgar L. Ross, MD

- Compression Fractures and Kyphoplasty
  Vincent J. Silvaggio, MD

- Lunch/ Exhibits/ Posters

- Update on Treatment of Fibromyalgia Syndrome
  Cheryl D. Bernstein, MD

- Interventional Pain Therapies
  Doris K. Cope MD, Zong Fu Chen MD, Edward K. Heres MD

- Difficult Conversations at the End of Life
  Robert M. Arnold, MD

- Use of Peripheral Opioid Antagonists for Chronic and Palliative Care
  Jonathan Moss, MD, PhD

- Adjournment

**Objectives**

**Chronic Pain Track**

Saturday November 8, 2008

**Guestroom at the Nemacolin Lodge**
At the conclusion of the Acute Perioperative Pain Track, participants will be able to:

**Objectives**

- Discuss the causes, frequency and prevention of chronic pain syndrome following surgery.
- Review the management of pain in the emergency room.
- Review the management of pain in orthopedic trauma patients.
- Point of view of the orthopedic surgeon.
- Point of view of the anesthesiologist.
- Point of view of the nurse.
- Discuss the management of acute perioperative pain in chronic and cancer pain patients.
- Review the management of pain in orthopedic oncology patients.
- Point of view of the orthopedic surgeon.
- Point of view of the anesthesiologist.
- Point of view of the nurse.
- Discuss minimally invasive hip and knee replacement surgery.
- Point of view of the orthopedic surgeon for THR.
- Point of view of the orthopedic surgeon for TKR.
- Point of view of the anesthesiologist for THR/TKR.
- Review billing and reimbursement of regional anesthesia.
- Review ultrasound guided nerve block techniques in adults and children.
- Discuss ultrasound guided peripheral nerve block techniques and indications in adults and children.
- Discuss the causes, frequency and prevention of chronic pain syndrome following surgery.

**Program**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>9:00</td>
<td>Registration</td>
</tr>
<tr>
<td>9:00</td>
<td>Breakfast, Posters &amp; Exhibit</td>
</tr>
<tr>
<td>9:30</td>
<td>Ultrasound Workshop</td>
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<tr>
<td>10:00</td>
<td>Lunch</td>
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<tr>
<td>10:15</td>
<td>Billing and Collection for Regional Anesthesia</td>
</tr>
<tr>
<td>10:45</td>
<td>Pain Management in Orthopedic Trauma Patients</td>
</tr>
<tr>
<td>11:00</td>
<td>Review ultrasound guided peripheral nerve block techniques in adults and children</td>
</tr>
<tr>
<td>11:00</td>
<td>Chronic Pain Following Surgery</td>
</tr>
<tr>
<td>11:30</td>
<td>Adjournment</td>
</tr>
</tbody>
</table>

**Faculty**

- S. Suresh, MD, FAAP
  - Professor of Anesthesiology and Pediatrics
  - Director of Regional Anesthesia and Acute Pain
  - University of Louisville, Louisville, KY
- Dana Mears, MD, PhD
  - Orthopedic Surgeon
  - GPOA, Pittsburgh, PA
- Scott Brancolini, MD
  - Clinical Assistant Professor of Anesthesiology
- Jacques E. Chelly, MD, PhD, MBA
  - Professor of Anesthesiology and Orthopedic Surgery
  - Director of the Division of Acute Interventions, Perioperative Pain and Regional Anesthesia
- Linda Farkas, MD
  - Assistant Professor of Surgery
  - Department of Surgery, Division of Surgical Oncology
- Rebecca M. Hoelsken, BSN, MSN, CRNP
  - UPMC Shadyside Hospital
- Matthew P. Holtzman, MD
  - Surgical Oncology
  - Department of Surgery
- Mark Hudson, MD
  - Associate Professor of Anesthesiology
  - Vice Chair of Clinical Operations
- Lawrence Marr, MD
  - Clinical Assistant Professor of Anesthesiology
- Mario Montoya, MD
  - Clinical Assistant Professor of Anesthesiology
- Milenna Moreno, MD
  - Visiting Instructor
- Anton Y. Plakseychuk, MD, PhD
  - Director UPMC Limb Lengthening and Reconstruction Center
  - Assistant Professor of Orthopaedic Surgery, Department of Orthopaedic Surgery
- Nashaat N. Rizk, MD
  - Clinical Associate Professor of Anesthesiology
- Richard Wadas, MD
  - Chairman, Department of Emergency Medicine
  - UPMC Shadyside Hospital
- John P. Williams, MD
  - Peter and Eva Safar Professor and Chair, Department of Anesthesiology

**GUEST FACULTY**

- Paul E. Bigeleisen, MD, PhD
  - Professor of Anesthesiology
  - University of Rochester
  - Rochester, New York
- Laura Clark, MD
  - Professor of Anesthesiology and Perioperative Medicine
  - Director, Division of Anesthesia
  - University of Louisville, Louisville, KY
- Dana Mears, MD, PhD
  - Orthopedic Surgeon
  - GPOA, Pittsburgh, PA
- Simon C. Mears, MD, PhD
  - Assistant Professor, Board-Certified in Orthopaedic Surgery
  - Chief, Total Joint Arthroplasty and Trauma Medicine
  - Wenz Orthopaedic Unit, Johns Hopkins Bayview Medical Center
  - Baltimore, Maryland
- S. Suresh, MD, FAAP
  - Director of Research
  - Associate Professor of Anesthesiology and Pediatrics
  - Northwestern University's Feinberg School of Medicine
  - Department of Pediatric Anesthesiology
  - Children's Memorial Hospital, Chicago, Illinois