Ninth Annual
UPMC Regional Anesthesia & Ultrasound Guided Techniques Conference:
Update in Acute & Chronic Pain and Liver Transplantation Anesthesiology

April 19~21, 2013
Nemacolin Woodlands, Farmington, PA

For online registration, visit:
https://ccehs.upmc.com/liveFormalCourses.jsf

Course Director
Jacques E. Chelly, MD, PhD, MBA

Co-Course Directors
Raymond M. Planinsic, MD
Cheryl Bernstein, MD
Mihaela Visoiu, MD
Lois J. Pizzi, MSN, RN-BC
Brent A. Dunworth, MSN, CRNA

Sponsored by:
University of Pittsburgh School of Medicine
Department of Anesthesiology
and the
Center for Continuing Education
in the Health Sciences
Objectives
At the conclusion of this course, the participant should be able to:

• Describe current methods of regional anesthetic/analgesic techniques for acute and perioperative pain management
• Describe the effect of surgery, anesthesia, and perioperative care on the immune system and on oncologic and infectious outcomes
• Review complex persistent pain conditions
• Discuss recommendations for an “immune system preserving” approach to intraoperative and postoperative care
• Discuss patient satisfaction in pain management
• Review liver transplantation anesthesiology
• Discuss the mechanisms of hemostasis
• Demonstrate the proper management of monitoring coagulation in the operating room

• Identify how to manage the bleeding patient in the ICU
• Discuss how to set up a pediatric regional anesthetic postoperative service
• Identify multimodal analgesia techniques in the pediatric patient
• Demonstrate how to identify prescription misuse and diversion in the chronic pain office setting
• Review adjuvant medications for chronic pain
• Update in the treatment of addiction
• Identify new frontiers in acute pain billing and documentation
• Achieve improved patient outcomes through the successful adoption of regional anesthesia practice

Target Audience
Pain and primary care physicians, anesthesiologists, neurologists, neurosurgeons, pediatric anesthesiologists, emergency room and rehab physicians, physicists, internal medicine and family practice physicians, residents, fellows, pharmacists, CRNAs, CRNPs, PA-Cs, nurses and other health care professionals interested in regional anesthesia and management of acute and chronic pain.

Special Needs
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.
### Schedule - Friday, April 19

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00 am</td>
<td>Breakfast/Registration/Exhibits</td>
</tr>
<tr>
<td>8:25 am</td>
<td>Welcome &amp; Introduction</td>
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<tr>
<td></td>
<td>Lois J. Pizzi, MSN, RN-BC</td>
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<tr>
<td>8:30 am</td>
<td>LHAS Innovation Award 2012</td>
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<tr>
<td></td>
<td>Jacques E. Chelly, MD, PhD, MBA</td>
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<tr>
<td>9:00 am</td>
<td>Patient Satisfaction in Pain Management</td>
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<td></td>
<td>Shelley Watters, DNP, RN, NE-BC</td>
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<tr>
<td>9:30 am</td>
<td>Time Study for PRN Oral Analgesics &amp; Oral PCA</td>
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<td></td>
<td>Madalyn P. Bates, RPh</td>
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<td></td>
<td>Lois J. Pizzi, MSN, RN-BC</td>
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<tr>
<td>10:30 am</td>
<td>Technology in the PACU</td>
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<td></td>
<td>Jennifer Choura, MSN, RN, CPAN</td>
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<td>Coleen Conboy, RN, BSN, CCRN</td>
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<tr>
<td>11:30 am</td>
<td>Lunch</td>
</tr>
<tr>
<td>12:15 pm</td>
<td>Opioid Related Medication Events</td>
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<tr>
<td></td>
<td>Dennis Schilling, PharmD</td>
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<tr>
<td>1:00 pm</td>
<td>Screening and Care of the Surgical Patient</td>
</tr>
<tr>
<td></td>
<td>Linda Lakdawala, DNP, RN, CPAN</td>
</tr>
<tr>
<td>1:45 pm</td>
<td>Coffee Break with the Exhibitors</td>
</tr>
<tr>
<td>2:00 pm</td>
<td>Pain Management Research</td>
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<tr>
<td></td>
<td>Lois J. Pizzi, MSN, RN-BC</td>
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<td></td>
<td>Katie Vulakovich</td>
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<tr>
<td>3:00 pm</td>
<td>Discussion and Evaluations</td>
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<tr>
<td>3:15 pm</td>
<td>Friday Adjournment</td>
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</tbody>
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### Schedule - Saturday, April 20

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>7:30 am</td>
<td>Breakfast/Registration/Exhibits</td>
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<tr>
<td>8:00 am</td>
<td>Oncogenics of Surgery &amp; the Perioperative State</td>
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<td>Bruce Ben-David, MD</td>
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<tr>
<td>8:45 am</td>
<td>Unraveling Complex Persistent Pain Conditions</td>
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<td>William Moxner, DDS, PhD</td>
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<td>9:30 am</td>
<td>Genetic Factor of Perioperative Pain in Total Knee Replacement</td>
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<td>Inna Belfer, MD, PhD</td>
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<td>10:00 am</td>
<td>Health Care Reform, Anesthesiology and You</td>
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<td>John P. Williams, MD</td>
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<tr>
<td>10:30 am</td>
<td>Coffee Break with the Exhibitors</td>
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<tr>
<td>10:45 am</td>
<td>Psychosocial Factors of Perioperative Pain</td>
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<td>Ajay D. Wason, MD, MSc</td>
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<td>11:30 am</td>
<td>Roundtable Discussion:</td>
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<td>Staffing an AIPPS Service</td>
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<td>Joseph Marino, MD</td>
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<td>Bryan Matusic, DO</td>
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<td>Emerson Conrad, MD</td>
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<td>Charles Luke, MD</td>
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<td>Rita Merman, MD</td>
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<td></td>
<td>Beverly Pearce-Smith, MD</td>
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<tr>
<td>12:30 pm</td>
<td>Lunch</td>
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<tr>
<td>2:00 pm</td>
<td>Saturday Afternoon Breakout Sessions A–E Begin</td>
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<td>(see pages 5, 6 and 7)</td>
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</tbody>
</table>

### Saturday Afternoon Breakout Sessions

Breakout Sessions A through D run concurrently on Saturday from 2:00 pm to 5:30 pm. Breakout Session E runs on Saturday from 2:00 pm to 6:30 pm. Attendees are limited to one session or as space allows.

#### Breakout Session A

**Regional Anesthesia and Acute Pain**  
Chairperson: Jacques E. Chelly, MD, PhD, MBA

- 2:00 pm | New Frontiers in Acute Pain Billing and Documentation  
  Mark E. Hudson, MD, MBA

- 2:45 pm | Compliance Billing for Blocks  
  Phyllis Baska, CPC

- 3:15 pm | 3-dimensional Imaging for Nerve Blocks  
  Ralf E. Gebhard, MD

- 4:00 pm | Coffee Break with the Exhibitors

- 4:15 pm | Update in Treatment of Addiction  
  Frank Kunkel, MD

- 5:15 pm | Q&A and Closing Remarks  
  Jacques E. Chelly, MD, PhD, MBA

- 5:30 pm | Session Adjournment

#### Breakout Session B

**Hemostasis and Hemothrapy**  
Chairperson: Raymond M. Planinsic, MD

- 2:00 pm | Opening Remarks  
  Raymond M. Planinsic, MD

- 2:05 pm | Mechanisms of Hemostasis  
  Kenichi Tanaka, MD

- 2:40 pm | Monitoring Coagulation in the Operating Room  
  Raymond M. Planinsic, MD

- 3:20 pm | New Hemostatic Agents  
  Kenichi Tanaka, MD

- 4:00 pm | Coffee Break with the Exhibitors

- 4:15 pm | Bloodless Surgery: Is this a Reality?  
  Jonathan Waters, MD

- 4:55 pm | Managing the Bleeding Patient in the ICU  
  Ali Al-Khafaji, MD

- 5:20 pm | Q&A and Closing Remarks  
  Raymond M. Planinsic, MD

- 5:30 pm | Session Adjournment
**Saturday Afternoon Breakout Sessions**

Breakout Sessions A through D run concurrently on Saturday from 2:00 pm to 5:30 pm.

Breakout Session E runs on Saturday from 2:00 pm to 6:30 pm.

Attendees are limited to one session or as space allows.

### Breakout Session C

**Chronic Pain**

*Chairperson: Cheryl Bernstein, MD*

- **2:00 pm** Opening Remarks  
  Cheryl Bernstein, MD

- **2:05 pm** Prescription Misuse and Diversion in the Office  
  Neil A. Capretto, DO, FASAM

- **3:00 pm** Discography and Intradiscal Procedures  
  Vikram B. Patel, MD, FIPP, DABIPP

- **3:35 pm** Spinal Cord Stimulation – An Update  
  Edward K. Heres, MD

- **4:00 pm** Coffee Break with the Exhibitors

- **4:15 pm** What is a Pain Fellowship?  
  Scott Brancolini, MD, MPH

- **4:45 pm** Adjuvant Medications for Chronic Pain  
  Nasaat Rizk, MD

- **5:15 pm** Q&A and Closing Remarks  
  Cheryl Bernstein, MD

- **5:30 pm** Session Adjournment

### Breakout Session D

**Pediatric Anesthesia**

*Chairperson: Mihaela Visoiu, MD*

- **2:00 pm** How to Set Up a Pediatric Regional Anesthesia Postoperative Service  
  Karen Boretsky, MD

- **2:45 pm** Epidemiology and Outcome of Pediatric Regional Anesthesia  
  Mihaela Visoiu, MD

- **3:30 pm** Pediatric Pain Medicine: Multimodal Therapy  
  Franklyn Cladis, MD

- **4:00 pm** Coffee Break with the Exhibitors

- **4:15 pm** Pediatric Regional Anesthesia at CHOP  
  Harshad Gurnaney, MD, MPH

- **5:15 pm** Q&A and Closing Remarks  
  Mihaela Visoiu, MD

- **5:30 pm** Session Adjournment

### Breakout Session E

**General**

*Chairperson: Brent A. Dunworth, MSN, CRNA*

- **2:00 pm** One Lung Ventilation Strategies  
  Marc A. Wicker, MSN, CRNA

- **3:00 pm** Health Care Reform: Consensus Model, Accountable Care Organizations, and Inter-professionalism  
  Brent A. Dunworth, MSN, CRNA  
  Jason R. Bauer, MSN, CRNA

- **4:00 pm** Coffee Break with the Exhibitors

- **4:15 pm** Pharmacogenomics  
  Brian D. Berry Jr., MS, CRNA

- **5:15 pm** Nurse Anesthesia Education: Past, Present, and Future  
  John M. O’Donnell, DrPH, CRNA

- **6:15 pm** Q&A and Closing Remarks

### Schedule - Sunday, April 21

- **8:30 am** Breakfast/Registration/Exhibits
- **9:00 am** Welcome & Introduction
- **10:00 am** Theoretical Consideration for Ultrasound Guided Techniques  
  Paul Biegelisen, MD, PhD

**Ultrasound Workshop**

- **11:30 am** Coffee Break with the Exhibitors

**Hands on Ultrasound Workshop with Live Models**

- **11:45 am** Ultrasound Workshop (continued)

- **1:00 pm** Conference Adjournment

*Schedule is subject to change.*
Course Director
Jacques E. Chelly, MD, PhD, MBA
Professor of Anesthesiology (with Tenure) and Orthopedic Surgery
Vice Chair of Clinical Research
Director, Regional and Orthopedic Fellowships
Director, Division of Acute Interventional Perioperative Pain and Regional Anesthesia
Department of Anesthesiology
University of Pittsburgh Medical Center
Director, Acute Interventional Perioperative Pain
UPMC Presbyterian-Shadyside Hospitals

Co-Course Directors*
Raymond M. Planinsic, MD
Professor of Anesthesiology
Director of Transplantation Anesthesiology
Director of Transplantation Anesthesiology Fellowship

Cheryl Bernstein, MD
Associate Professor of Anesthesiology and Neurology

Mihaela Visoiu, MD
Assistant Professor of Anesthesiology

Lois J. Pizzi, MSN, RN-BC
Clinical Nurse Specialist - Pain Management
UPMC Shadyside Hospital

Brent A. Dunworth, MSN, CRNA
Senior Director, Nurse Anesthesia

Conference Manager
Angela Felix, BS
Project Coordinator
UPMC Department of Anesthesiology

Guest Faculty
Paul Bigeleisen MD, PhD
Professor of Anesthesiology
University of Maryland Medical Center
Baltimore, MD

Karen R. Boretosky, MD
Director, Perioperative Regional Anesthesia Service
Department of Anesthesiology Perioperative and Pain Medicine
Boston Children’s Hospital
Boston, MA

Neil A. Capretto, DO, FASAM
Medical Director
Gateway Rehabilitation Center
Pittsburgh, PA

Jean Daniel Eloy, MD, BS
UMDNJ – New Jersey Medical School
Department of Anesthesiology
Newark, NJ

Ralf E. Gebhard, MD
Professor of Anesthesiology
Director, Division of Regional Anesthesia and Acute Perioperative Pain Management
University of Miami-Miller School of Medicine
Miami, FL

Harshad Gurnaney, MBBS, MPH
Assistant Professor, Division of General Anesthesia
Department of Anesthesiology and Critical Care
Children’s Hospital of Philadelphia
Philadelphia, PA

Joseph Marino, MD
Chief of Anesthesiology, Franklin Hospital
Director of Regional Anesthesia
North Shore – Long Island Jewish Health System
Associate Professor, Pharmacology Faculty
Hofstra Medical School
Manhasset, NY

Bryan Matusic, DO
Anesthesiologist
Weirton Medical Center
Weirton, WV

Vikram B. Patel, MD, FIPP, DABIPP
President and Medical Director
ACMI Pain Care, LLC
Algonquin, IL

Ajay D. Wasan, MD, MSc
Assistant Professor, Harvard Medical School
Brigham and Women’s Hospital, Pain Management Center
Chestnut Hill, MA

Local Faculty*
Ali H. Al-Khafaji, MD, PhD
Associate Professor, Critical Care Medicine

Phyllis Baska, CPC
Physician Educator

Madalyn Bates, RPh
Pharmacy Manager for Information Systems and Automation

Jason R. Bauer, MSN, CRNA
Nurse Anesthetist

Inna Belfer, MD, PhD
Associate Professor of Anesthesiology and Human Genetics
University of Pittsburgh/UPMC

Bruce Ben-David, MD
Clinical Professor of Anesthesiology

Brian D. Berry Jr., MS, CRNA
Nurse Anesthetist

Scott Brancolini, MD, MPH
Assistant Professor

Jennifer Choura, MSN, RN, CPAN
Unit Director, Post Anesthesia Care Unit
UPMC Shadyside

Franklyn P. Cladis, MD
Associate Professor of Anesthesiology
Program Director, Pediatric Anesthesiology Fellowship
Children’s Hospital of Pittsburgh of UPMC

Coleen M. Conboy, RN, BSN, CCRN
Level 3 Staff Nurse

Emerson Conrad, MD
Clinical Assistant Professor

Edward K. Heres, MD
Clinical Associate Professor

Mark E. Hudson, MD, MBA
Vice Chair, Clinical Operations
UPP Anesthesiology

Frank A. Kunkel, MD
Clinical Anesthesiologist

Linda Lakdawala, DNP, RN, CPAN
Advanced Practice Nurse
UPMC Shadyside Patient Care Education

Charles Luke, MD
Clinical Assistant Professor

Rita B. Merman, MD
Associate Professor of Anesthesiology
The University of Pittsburgh, as an educational institution and as an employer, values equality of opportunity, human dignity, and racial/ethnic and cultural diversity. Accordingly, as fully explained in Policy 07-01-03, the University prohibits and will not engage in discrimination or harassment on the basis of race, color, religion, national origin, ancestry, sex, age, marital status, familial status, sexual orientation, gender identity and expression, genetic information, disability, or status as a veteran. The University also prohibits and will not engage in retaliation against any person who makes a claim of discrimination or harassment or who provides information in such an investigation. Further, the University will continue to take affirmative steps to support and advance these values consistent with the University’s mission. This policy applies to admissions, employment, and access to and treatment in University programs and activities*.

* All local course faculty members reside in the metropolitan Pittsburgh, Pennsylvania area and have an appointment at the University of Pittsburgh School of Medicine unless otherwise specified.

Faculty for this activity have been required to disclose all relationships with any proprietary entity producing health care goods or services.

Registration Information
Early registrations are due by March 15, 2013. After March 15, 2013, late registrations will be accepted until April 12, 2013 at an additional fee and we cannot guarantee space in the program or any program inclusions for those registrations received after this date.

Online Registration Closes April 12, 2013. On-site registration will be available after this date.

Registering online is the quickest and easiest way to reserve your space at CCEHS conferences.

- Visit our online registration site at https://ccehs.upmc.com/liveFormalCourses.jsf
- Click the Registration button and enter all the requested information (including an email address) and follow the prompts to submit your registration after entering your payment information.
- If you register online, you will receive an immediate e-mail confirmation message. Print the automatic electronic registration confirmation email sent to the email address you provided us when you registered. If you do not receive this confirmation, please contact us at (412) 647-8232.

Registration fees include:
- Continuing education credit
- Registration and course materials
- Breakfast and lunch buffets; coffee breaks

For additional information, contact:
Angela Felix, BS, Conference Manager
Aiken Medical Building
532 S. Aiken Avenue, Suite 407
Pittsburgh, PA 15232
Phone: (412) 623-4135 • Fax: (412) 623-4188
Email: felixa@upmc.edu

Registration Fees

<table>
<thead>
<tr>
<th>Early fee - Before March 15, 2013</th>
<th>Late fee - After March 15, 2013</th>
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<tbody>
<tr>
<td>UPMC RN (Friday only) $30</td>
<td>UPMC RN (Friday only) $30</td>
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<tr>
<td>Non-UPMC RN (Friday only) $50</td>
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<tr>
<td>MD, DO, PhD (Sunday only) $500</td>
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<td>MD, DO, PhD (Saturday &amp; Sunday) $550</td>
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<td>Non-UPMC MD, DO, PhD (Sat. &amp; Sunday) $700</td>
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<tr>
<td>UPMC Residents, Fellows (Sat. &amp; Sunday) $100</td>
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<tr>
<td>CRNA (Saturday &amp; Sunday) $200</td>
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<td>Non-UPMC CRNA (Saturday &amp; Sunday) $250</td>
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* This is a commitment made by the University and is in accordance with federal, state, and/or local laws and regulations. For information on University equal opportunity and affirmative action programs, please contact: University of Pittsburgh; Office of Affirmative Action, Diversity, and Inclusion; Carol W. Mohamed, Director (and Title IX, 504 and ADA Coordinator); 412 Bellefield Hall; 315 South Bellefield Avenue; Pittsburgh, PA 15260; 412-648-7860. For complete details on the University’s Nondiscrimination Policy, please refer to Policy 07-01-03. For information on how to file a complaint under this policy, please refer to Procedure 07-01-03.