

3rd Annual Ultrasound-Guided Regional Anesthesia Cadaver Course



Saturday and Sunday, June 8-9, 2013

The Julien F. Biebuyck Faculty and Alumni Library, Room C2860

Biomedical Research Building

Penn State Milton S. Hershey Medical Center

Hershey, Pennsylvania

A continuing education service of Penn State College of Medicine

Department of Anesthesiology

Purpose

This program is designed to enable participants to: review the anatomy of the peripheral nerves, ergonomics, and physics with reference to the use of ultrasound; establish clinical skills and attitudes appropriate for basic ultrasound-guided peripheral nerve



blocks; and acquire hands-on experience with cadavers/phantoms and volunteers in laboratory settings.

Audience

Anesthesia residents and fellows with an interest in regional anesthesia as well as practicing anesthesiologists will benefit from the content.

Objectives

Upon completion, participants should be able to:

- Differentiate the ultrasound images of vessels, peripheral nerves, tendons, and nerve plexus and discuss methods to improve decrement of the ultrasound image quality to achieve the best benefit from the technique.
- List the benefits of using real time, ultrasound guidance for regional anesthesia administration.
- Demonstrate proficient and appropriate use of ultrasound scanning in identifying specific targets such as anatomy of the needle, nerve structure, or surrounding vital organs pertinent to peripheral nerve block
- Acquire hands-on nerve scanning skills and hand-eye coordination and needling skills.
- Handle ultrasound equipment while performing needle placement, identify, and differentiate anatomic structures imaged with ultrasound on both living and anatomical models.

Accommodations

Accommodations are the responsibility of the participant. A list of lodging in the Hershey area is available online at pennstatehershey.org/web/guest/patientcare/patientvisitorinformation/lodging

Fees

The fees for this conference are \$750 per person for anesthesiologists and \$250 per person for anesthesia residents* and fellows*. These fees include instruction, handouts, breaks, and lunch.

You may pay for your registration by check, request to bill employer, or VISA, MasterCard or American Express (AMEX).

*To qualify for the training discount: Please include a letter from your director verifying your status.

Registration

Register online, by fax, or by mail. Registrations will be confirmed in writing upon receipt of payment, authorization to bill, or a credit card guarantee. If you do not receive a confirmation within two weeks, phone 717-534-6483 to confirm your registration. Walk-ins and late registrations can be accepted only if space is available.

Cancellation Policy

Cancellations received after May 27, 2013, will be assessed a \$25 processing fee per conference day. No refunds will be made for cancellations that are received after June 2, 2013. Substitutes are accepted at any time.

Please provide a cell phone number so we can reach you in the event of last-minute change or cancellation. The University reserves the right to cancel or postpone any course or activity because of insufficient enrollment or other unforeseen circumstances.

If a program is canceled or postponed, the University will refund registration fees, but cannot be held responsible for any related costs, charges, or expenses, including cancellation/change charges assessed by airlines or travel agencies. Preregistered participants will be notified if a program is filled or canceled.

Credit

Penn State College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Penn State College of Medicine designates this live activity for a maximum of 13.5 AMA PRA Category 1 Credit(s)TM. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

It is our policy to ensure balance, independence, objectivity and scientific rigor in all of our sponsored educational programs. Faculty and course directors have disclosed relevant financial relationships with commercial companies and Penn State has a process in place to resolve any conflict of interest. Complete faculty disclosure will be provided to program participants at the beginning of the activity.

Access

Penn State encourages persons with disabilities to participate in its programs and activities. If you anticipate needing any type of special accommodation or have questions about the physical access provided, please contact the Department of Anesthesiology at least one week in advance of your participation.

Registration

Please complete course registration online: pennstatehershey.org/ce

Or mail your payment information to:

Registrar

Penn State Hershey Continuing Education G220

P.O. Box 851

Hershey, PA 17033-0851

Phone: 717-531-6483 Fax to: 717-531-5604

Ultrasound Guided Regional Anesthesia Cadaver Course * June 8 - 9, 2013

Register online, by fax, or by mail. If you do not receive a confirmation from Penn Sate within two weeks, call our office to confirm. Walk-ins and late registrations are accepted only if space is available. Please provide both daytime and evening phone numbers so we can contact you should last-minute changes occur.

Name (First Name, M.I., Last Name	e) Degree((s)/Credentials
Email (Print legibly. Used for conf	irmation/registration status/pro	gram materials)
Home Address		
City	State	Zip
Daytime Phone	Evening Phone	Fax Number
Specialty/Position	Special Needs	(dietary, access, etc.)
Hospital or Organization Street Address (HMC/COM employed)	yees - provide dept. name/mail	code)
City	State	Zip
The fees for the conference are (chee Anesthesiologist, \$750 per person Anesthesia resident* and anesthes *Include verification of status. Indicate method of payment: Check enclosed payable to Penn S Bill my sponsoring organization. HMC/COM employee - bill depar Cost center/budget #: Charge my VISA MasterCa	tate Attach authorization letter. tment budget.	
Account Number		Expiration Date

Cardholder's Signature

Program

Saturday, June 8, 2013

8:00 a.m.	Final registration and refreshments
8:15	Introduction/Organization/Paperwork
8:30	Lecture: Introduction to Ultrasound and Basic Physics
9:15	Lecture: Sonoanatomy of the Upper Limb
10:00	Break
10:15	Volunteer Scanning Practice of Needling Cadaver Station
12:30 p.m.	Lunch
1:00	Lecture: Sonoanatomy of the Lower Limb
2:00	Volunteer Scanning Practice of Needling Cadaver Station
4:30	Questions and Answers/Discussions





Program

Sunday, June 9, 2013

8:00 a.m.	Breakfast
8:30	Lecture: Neuroaxial Sonoanatomy
9:15	Lecture: Sonoanatomy of Thorax and Abdomen
10:00	Break
10:15	Demonstration: Neuroaxial Structures and Sonoanatomy Related to Thorax and Abdomen in Volunteers
11:15	Volunteer Scanning Practice of Needling Cadaver Station
12:30 p.m.	Program Evaluation/Adjournment
12:30-2:30	OPTIONAL Cadaver Dissection



Confirmed Guest Faculty

Kevin Armstrong, MD, FRCP(C)

Associate Professor
City Wide Director of the Acute Pain Service & Regional Anesthesia
Chair: Academic Affairs Committee
Department of Anesthesiology & Perioperative Medicine
University of Western Ontario

Shalini Dhir, FRCPC

Associate Professor

Department of Anesthesia & Perioperative Medicine
Schulich School of Medicine
University of Western Ontario

J. Eric Greensmith, MD, PhD, FCCP

Chief Anesthetist Department of Anesthesia Lancaster Regional Medical Center

Jiabin (JB) Liu, MD, PhD

Assistant Professor, Anesthesiology & Critical Care Perelman School of Medicine University of Pennsylvania

Paul G. McHardy, MD, FRCPC

Staff Anesthesiologist
Fellowship Coordinator
Department of Anaesthesia
Sunnybrook Health Sciences Centre
University of Toronto

Luminita M. Tureanu, MD, FRCPC

Assistant Professor, Anesthesiology Feinberg School of Medicine Northwestern University

Academic Coordinators

Sanjib Adhikary, MD

Associate Professor, Anesthesiology
Director, Regional Anesthesia & Acute Pain Medicine
Penn State Milton S. Hershey Medical Center
Penn State College of Medicine

Patrick M. McQuillan, MD

Professor, Anesthesiology and Pediatrics Vice Chair for Clinical Affairs Penn State Milton S. Hershey Medical Center Penn State College of Medicine



2012 Faculty

Experience Hershey, Pennsylvania



There is plenty of fun to have, when you visit Hershey. At Hersheypark you can enjoy over 100 rides and attractions on 110 acres. The Boardwalk offers the best of vacations: a day at the seashore and a visit to a theme park with nine water attractions. Discover 12 roller coasters including the all-new tallest, fastest and longest Skyrush, as well as more than 20 rides for younger kids. Also games, shops, food, and award-winning live entertainment, daily.



Take a free tour ride explaining chocolate making; be apart of Hershey's Factory Works Experience, an interactive chocolate factory; or try a 3D show with the Hershey's characters.



Experience Hershey, Pennsylvania

The Hershey Story, located in the heart of Chocolate Town; this excellent museum guides visitors on an inspirational journey through Milton S. Hershey's lifetime.









There are also historical towns nearby, such as Lancaster, Harrisburg, and Gettysburg. Hershey's proximity to Pennsylvania Dutch Country is perfect for antiquing day trips.



You may also experience the adventure of an Odyssey Course, paintball, fly-fishing, or other exciting experiences at Hershey Outfitters. To learn more, visit: hersheypa.com/things_to_do/fun_attractions.php

Department of Anesthesiology - H187 PO Box 850 Hershey, PA 17033-0850

Phone: 717-531-6597 Fax: 717-531-7790

www.pennstatehershey.org/anesthesia



Return Service Requested





For More Information or to Register Online

Call: 717-531-6483

email: ContinuingEducation@hmc.psu.edu

Web: pennstatehershey.org/ce or visit pennstatehershey.org/anesthesia

Administrative Contact Linda Sanger Penn State College of Medicine Department of Anesthesia 717-531-4264 lsanger@hmc.psu.edu