



University Health Network

Toronto General Hospital Toronto Western Hospital Princess Margaret Hospital

Advanced Workshops for Ultrasound Guided Nerve Blocks

- **January 11-13, 2008**
- **June 20-22, 2008**

Each presentation will include 25% of the time devoted to Question and Answer. This is a 3-day intensive ultrasound workshop offered to anesthesiologists who have prior experience with ultrasound-guided nerve blocks. At the end of this ADVANCED course, participants would have acquired a thorough knowledge of imaging and block techniques of the following nerve structures. They are:

- Saphenous nerve
- Obturator nerve
- Fascia iliaca
- Lateral femoral cutaneous nerve
- Ilioinguinal & iliohypogastric nerves
- Transverse abdominis plane
- Sciatic nerve in the gluteal, subgluteal and proximal thigh regions
- Lumbar neuraxial space (adult)
- Psoas compartment
- Continuous catheter technique

This course has a number of distinguishing features.

Day 1

- Didactic lectures on the above topics
- Extended question and answer periods

Day 2

- Supervised hands on scanning on live models for more than 4.5 hours
- Opportunity to use a variety of ultrasound machines (GE, Philips, SonoSite and Zonare)
- Thorough review of sonoanatomy
- Video demonstration of nerve block procedures
- Practical tips and tricks for ultrasound guided blocks
- Knowledge evaluation with immediate feedback

Day 3

- Practical scanning examination with immediate feedback
- Further hands on scanning practice and individual feedback

Early registration is encouraged. Each workshop will be limited to a maximum of 36 registrants. This course will be taught by University of Toronto faculty at the Toronto Western Hospital located at 399 Bathurst Street, Toronto, Ontario, Canada.



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Learning Objectives

At the conclusion of this continuing medical education activity, the participant should be better able to:

- Understand the principles of ultrasound imaging of smaller nerves and nerves in deeper locations
- Describe nerve block techniques for the lumbar plexus and its branches in the lower limb and trunk, the sciatic nerve in 3 deep locations and the neuraxial space
- Recognize ultrasonographic images of nerves in the above mentioned regions
- Perform the technique of ultrasound guided nerve blocks
- Acquire hands on nerve scanning skills

Friday, Day 1

- 11:45 Registration & Welcome – **Main Auditorium, West Wing 2**
12:30 Lumbar Plexus (Psoas Compartment, Lateral Femoral Cutaneous Nerve, Saphenous Nerve, Obturator Nerve)
13:10 Ilioinguinal & Iliohypogastric), Transverse Abdominis Plane Block
13:30 Sciatic Nerve (Gluteal, Subgluteal And Anterior Thigh Approaches)
14:00 Question & Answer
14:15 Coffee Break
14:45 Neuraxial Space
15:15 Outcome Data & Literature Review
15:35 Continuous Catheter Techniques & Video Demonstration
16:15 Question & Answer, Evaluation
16:45 Adjournment

Saturday, Day 2

- 08:00 Breakfast & Lecture – **Main Auditorium – West Wing 2**
Brief Review of Day 1 Program
Scanning Live Demonstration
09:40 Hands on Scanning – **McLaughlin or Main Pavilion 2**
11:10 Coffee Break
11:30 Hands on Scanning
13:00 Lunch
14:00 Hands on Scanning
15:30 Coffee Break
15:50 Knowledge Evaluation & Feedback
17:00 Adjournment & Evaluation

Hand on Scanning Stations (6 registrants per station)

- Station # 1: Branches of the Lumbar Plexus and Transverse Abdominis Plane Block
Station # 2: Sciatic Nerve (Gluteal, Subgluteal, and Thigh)
Station # 3: Neuraxial Space and Psoas Compartment

Sunday, Day 3



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08:00 - 15:00 - **McLaughlin or Main Pavilion 2**

Practical Examination (6 people assigned per hour) 3 stations
Extra Individual Scanning and Feedback