

**University of Toronto**  
University Health Network



**BASIC**  
**January 15-17**  
**November 5-7**  
**2010**

**ADVANCED**  
**December 3-4**  
**2010**

Toronto Western Hospital

**Ultrasound Workshops 2010**



## **Introductory Workshops for Ultrasound Guided Nerve Blocks**

- **January 15-17, 2010**
- **November 5-7, 2010**

This is a 3-day intensive ultrasound workshop offered to anesthesiologists who wish to learn the BASIC skills of ultrasound guided nerve blocks. At the end of this introductory course, participants would have acquired a thorough knowledge of the imaging and needling techniques for nerve blocks in the following regions of the body:

- Interscalene
- Supraclavicular
- Infraclavicular
- Axillary
- Elbow to wrist
- Femoral
- Popliteal
- Ankle

Each presentation will include 25% of the time devoted to Question and Answer. This course has a number of distinguishing features.

### Day 1

- Didactic lectures on 8 basic nerve block procedures
- 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)
- Hit-the-target practice on phantoms
- Thorough review of sonoanatomy in 8 body locations
- 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
- Practical hit-the-target 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 48 registrants. This course will be taught by University of Toronto faculty at the Toronto Western Hospital located at 399 Bathurst Street, Toronto, Ontario, Canada.

## Learning Objectives

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

- Understand the basic principles of ultrasound imaging for regional anesthesia
- Describe basic nerve block techniques in the interscalene, supraclavicular, infraclavicular axillary, femoral, popliteal and peripheral regions
- Recognize ultrasonographic images of nerves in the above mentioned regions
- Perform the technique of ultrasound guided nerve blocks
- Acquire hands on nerve scanning skills
- Acquire hand eye coordination and needling skills

### Friday, Day 1

11:30 Registration & Welcome – **Main Auditorium – West Wing 2**

12:00 Pre Course Knowledge Assessment

12:30 Fundamental Ultrasound Principles & Machine Functionality

12:50 Ultrasound Scanning & Nerve Block Techniques

13:10 Brachial Plexus: Interscalene & Supraclavicular Regions

13:30 Brachial Plexus: Infraclavicular & Axillary Regions

13:50 Brachial Plexus: Peripheral Nerves

14:10 Question & Answer

14:25 Coffee Break

14:55 Femoral Nerve: Inguinal Region

15:15 Sciatic Nerve: Popliteal Region

15:35 Sciatic Nerve: Ankle Region

15:55 Outcome Data Review

16:15 Question & Answer, Evaluation

16:45 Adjournment

## **Saturday, Day 2**

08:00 Breakfast & Lecture, Brief Review of Day 1 Program, Scanning Live Demonstration

09:40 Coffee Break

10:00 Hands on Scanning and Phantom Practice

11:30 Hands on Scanning and Phantom Practice

13:00 Lunch

14:00 Hands on Scanning and Phantom Practice

15:30 Coffee Break

15:50 Knowledge Evaluation & Feedback

17:00 Adjournment and Evaluation

### **Hands on Scanning Stations**

- Upper Limb Above the Clavicle
- Upper Limb Below the Clavicle
- Lower Limb
- Phantom Hit the Target Practice

## **Sunday, Day 3 (08:00 - 15:00)**

Practical Examination (8 people assigned per hour)

Extra Individual Scanning and Feedback

Extra Phantom Practice

Phantom Hit the Target Practice