



Interventional Pain and Neuromodulation Procedures Workshop for Trainee Physicians

Sunday, October 27th to Tuesday October 29th 2024
Dalhousie University, Halifax, Nova Scotia

Venue: Bethune Surgical Skills Lab (B04), Halifax, NS.

Course Director: Dr. Lutz Weise

Course Coordinator: Dr. Danielle Alvares



Please contact Danielle.Alvares@uhn.ca for more details about registration.
Registration deadline and the last day for refunds is September 30th, 2024.



Day 1 - Sunday, October 27, 2024

0830 - 0900 - Registration / Welcome Address

0900 - 1030 - Lecture Block 1

0900 - 0930 Cervical and lumbar facet nerve supply: Intra-articular injections, innervation blocks and RF ablation. Philip Chan, MD

0930 - 1000 Lumbar sympathetic plexus, superior hypogastric plexus, ganglion impar blocks. Ian Beauprie, MD

1000 - 1030 Lumbar and sacral epidural, transforaminal & nerve root blocks. Philip Chan, MD

1030 - 1045 - Coffee Break

1045 - 1215 - Lecture Block 2

1045 - 1115 Ultrasound for cervical, lumbar, and sacral spine procedures. Anuj Bhatia, MD

1115 - 1145 Ultrasound for peripheral nerve blocks (suprascapular nerve, ilioinguinal and iliohypogastric nerves, intercostal nerves, pudendal nerve, & stellate ganglion). Manikandan Rajarathinam, MD

1145 - 1215 Ultrasound for major joint injections. Abeer Alomari, MD

1215 - 1300 - Lunch

1030 - 1215 - Lecture Block 3

1300 - 1330 Spinal Cord Stimulation for pain: conventional and new modes (HF, DTM, Layered Waveforms, Burst). Keith MacDougall, MD

1330 - 1400 Dorsal root ganglion and nerve root stimulation. Antonios El-Helou, MD

1400 - 1430 Sacral nerve stimulation (SNS) for overactive bladder, bowel incontinence and pelvic pain. Ashley Cox, MD

1430 - 1445 - Coffee Break

1445 - 1615 - Lecture Block 4

1445 - 1515 Tips on radiation safety and ultrasound scanning for neuromodulation and pain procedures. Manikandan Rajarathinam, MD

1515 - 1545 Novel indications for spinal cord stimulation (spinal cord injury, autonomic dysfunction, spasticity). Lutz Weise, MD

1545 - 1615 Complications of interventional pain procedures. Ian Beauprie, MD

1615 - 1630 - Evaluation and Feedback



Day 2 - Monday, October 28, 2024

0800 - 0850 - Morning Lectures

0800 - 0825 Diagnostic imaging of the spine for pain procedures and neuromodulation.
Anuj Bhatia, MD

0825 - 0850 Intrathecal therapy for cancer pain. Shane Brogan, MD

0850 - 0900 - Housekeeping

0900 - 1215 - Morning Demonstrations and Practice

1. Facet Joint - Lumbar & SI-Joint procedures. M. Rajarathinam & I. Beauprie
2. Cervical Facet Joint & Nerve root procedures. A. Bhatia
3. Transforaminal, Epidural & Sympathetic Plexus procedures. P. Chan
4. Ultrasound Guided Joint Injections. A. Alomari

0900 - 0945 Rotation One

0945 - 1030 Rotation Two

***1030 - 1045* Coffee Break**

1045 - 1130 Rotation Three

1130 - 1215 Rotation Four

1215 - 1300 - Lunch

1300 - 1615 - Afternoon Demonstrations and Practice

1. Intrathecal Catheter & Pump Procedures. S. Brogan
2. SCS - Thoracic, Percutaneous Trials and Permanent Procedures. K. MacDougall
3. SCS Surgical Techniques. A. El-Helou
4. Ultrasound-Guided Peripheral Nerve Blocks. A. Alomari & M. Rajarathinam

1300 - 1345 Rotation One

1345 - 1430 Rotation Two

***1430 - 1445* Coffee Break**

1445 - 1530 Rotation Three

1530 - 1615 Rotation Four

1615 - 1630 - Evaluation and Feedback

1730 - Complimentary Course Dinner - all Faculty and Attendees are invited



Day 3 - Tuesday, October 29, 2024

0800 – 0840 – Morning Lecture

0800 – 0840 Technical aspects of MIS, Open Surgical Paddle and Neuromonitoring.
Lutz Weise, PhD

0900 – 1215 – Morning Demonstrations and Practice

1. DRG and Nerve root Stimulation Procedures. A. El-Helou
2. Sacral Nerve Stimulation Procedures. A. Cox
3. Minimally Invasive Surgical SCS. L. Weise
4. Ultrasound-Guided Spine Procedures. A. Bhatia & M. Rajarathinam

0900 – 0945 Rotation One

0945 – 1030 Rotation Two

1030 – 1045 Coffee Break

1045 – 1130 Rotation Three

1130 – 1215 Rotation Four

1215 – 1300 – Lunch

1300 – 1630 – Afternoon Demonstrations and Practice

1. Spine Procedures (Lumbar sympathetic Plexus, Vertebroplasty). P. Chan
2. SCS Cervical Procedures. K. MacDougall
3. Open Surgical SCS Procedures. L. Weise
4. Ultrasound-Guided Stellate Ganglion & Intercostal Nerve Blocks. A. Alomari & M. Rajarathinam

1300 – 1345 Rotation One

1345 – 1430 Rotation Two

1430 – 1445 Coffee Break

1445 – 1530 Rotation Three

1530 – 1615 Rotation Four

1615 – 1630 – Farewell, Feedback and Certificates

FACULTY

A. Alomari, University of Toronto, Toronto

A. Bhatia, University of Toronto, Toronto

P. Chan, McMaster University, Hamilton

A. El-Helou, University of Sherbrooke, Sherbrooke

M. Rajarathinam Western University, London

I. Beauprie, Dalhousie University, Halifax

S. Brogan, University of Utah, Salt Lake City

A. Cox, Dalhousie University, Halifax

K. MacDougall, Western University, London

L. Weise, Dalhousie University, Halifax

Additional Details

Anticipated attendees

Fellows and residents in Pain Medicine, Neurosurgery, and other allied specialties are invited to attend. The course will be restricted to **20 participants**.

Course Fee:

\$ 500 that includes lectures, PDFs of the presentations, workshops, and a complimentary course dinner on Monday, October 28th, 2024.

Venue:

Victoria General Hospital,
Bethune Building, Bethune Surgical Skills Lab (B04),
5820 University Ave. Halifax NS

List of Accommodations

Lord Nelson Hotel

1-800-565-2020

1515 South Park Street, Halifax NS, B3J 2L2

The Lord Nelson Hotel is located within walking distance to the Victoria General Hospital and Dalhousie University.

Other nearby hotels include:

The Westin Nova Scotian

(902) 421-1000

1181 Hollis Street, Halifax NS, B3H 2P6

Atlantica Hotel Halifax

(902) 423-1161

1980 Robie Street, Halifax NS, B3H 3G5