Mobilization of the Nervous System

Neuro Orthopaedic Institute

September 18 & 19, 2010 Pittsburg, KS

NOI's classic lecture and practical course, now in its 20th edition, and updated every 6 months, continues to be extremely popular worldwide.

We use modern pain sciences to provide a clinically relevant understanding of the physical health issues of the entire nervous system. This means consideration of the molecular and homuncular targets of our therapy. We integrate this knowledge using a clinical reasoning framework and advanced manual assessment and management options. Skilled reasoning is evidence based medicine at its best.

Neurodynamics is a new science. This course offers a fresh understanding and management strategies for common syndromes such as plantar fasciitis, tennis elbow, nerve root disorders, carpal tunnel syndromes and spinal pain. Innovative management tools involve conservative decompression of nerves, various neural mobilising techniques and the new patient education techniques which emerge from neurodynamics and pain sciences.

Course notes have been written by **David Butler** with input from many members of the international faculty and in response to feedback from course participants.

This course is approved for CEUs by most state PT Associations.

COURSE AIMS & COURSE PROGRAM

- → To gain new and updated knowledge of neurodynamics and pathobiology of the nervous system related to manual examination
- → To gain safe and effective handling skills in the examination and interpretation of physical dysfunction of the nervous system
- → To utilise these skills in novel, active, passive and education based management
- → To integrate manual handling skills with pain sciences and clinical reasoning practices
- → To professionally refresh course participants.

Day 1

7:45 – 8:00	Registration
8:00 – 8:15	Introduction
8:15 – 9:15	Clinical Reasoning & Pain Science
9:15 – 9:30	Examining the Nervous System
9:30 – 10:00	Lab: Nerve Palpation of the LE
10:00 – 10:15	Break
10:15 – 10:45	Lab: Nerve Palpation of the UE
10:45 – 12:00	Neuroanatomy & Neurodynamics
12:00 – 1:00	Lunch
1:00 – 1:15	Introduction to Neurodynamic tests
1:15 – 2:00	Straight Leg Raise and variations
2:00 – 2:45	Slump
2:45 – 3:00	Break
3:00 – 3:30	Pain
3:30 – 4:15	Nociceptive Pain Mechanisms
4:15 – 5:00	Upper Limb Neurodynamic Test 1: Median Nerve

Day 2

8:00 – 8:45	Peripheral Neuropathic Pain Mechanisms
8:45 – 10:15	Lab: ULNT 2a: Median Nerve Lab: ULNT 2b: Radial Nerve
10:15 – 10:30	Break
10:30 – 11:30	Central Pain Mechanisms
11:30 – 11:45	Precautions and Contraindications
11:45 – 12:15	Analysis of Neurodynamic Tests
12:15 – 1:00	Lunch
1:00 – 1:30	Prone Knee Bend: Femoral Nerve
1:30 – 2:00	Lab: ULNT 3: Ulnar Nerve
2:00 – 2:30	Output Mechanisms
2:30 – 3:00	Thoracic Spine and the Sympathetic Nervous System
3:00 – 3:15	Break
3:15 – 4:30	Management Principles
4:30 - 5:00	Conclusion, questions and Summary

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The Neuro Orthopaedic Institute is an independent, international group of physiotherapists dedicated to quality education and resource distribution.

Course registration form

Course **Mobilization of the Nervous System** (Level 1 course)
September 18 & 19 (Sat-Sun)
Instructor Adriaan Louw, PT, M.App.Sc (physio), GCRM, CSMT
Venue Via Christi Therapy Center 1 Med Center Circle, Suite B; Pittsburg, KS 66762; PH 620.232.0178
Registration Colleen Louw/ISPI (NOI agent in the US)
Toll free 866-235-4289, fax 515-733-2744, email info@ispinstitute.com

Your details

Title (Mr/Ms/Dr): First Name: Middle initial:

Surname:

Professional Designation:

Organisation:

Email:

Work phone: Work Fax:

Home phone: Home Fax:

Billing Address:

City/Suburb: State/Province:

Zip/Postal code: Country:

Payment by check: Check for **$425** USD to be made out to:

***International Spine and Pain Institute**, PO Box 232, Story City, IA, 50248*

Payment by credit card: Please charge $**425** to my ☐ Visa ☐ MasterCard ☐ Discover

Card no. __ __ __ __ /__ __ __ __ / __ __ __ __ / __ __ __ __ Exp. __ __ / __ __

Last 3-digit sec code (back of card) __ __ __

Cardholders' name: _____ Signature: _____

Participant Cancellation: If written notification of cancellation is received to ISPI prior to the course start date, the participant may receive a letter of credit for the full amount , substitute someone in their place, or transfer to another course within 12 months of the cancellation without penalty. No monies will be refunded for cancellations. If the participant registered using a letter of credit, or if the participant has been transferred from another course, and the participant cancels, no amount can be transferred from another course, and no other letter of credit will be issued. All credits are forfeited. No money or credit will be issued for "no shows" at the course, nor for cancellation any time after the course start date.

Institute Cancellation: Full tuition refunds will be issued to the participant, or another letter of credit will be issued to participant. If course is interrupted while in progress by an "act of God" or circumstances beyond control, no refunds will be issued. International Spine and Pain Institute, NOI/Australia, nor the Host Facility are responsible for any reimbursement of expense incurred by participant, including airline tickets.

Queries: Should you require any further information or assistance with this form please contact Adriaan or Colleen Louw (ISPI) at 515-733-2699 or email *colleen@ISPInstitute.com*

A formal confirmation will be sent to you when your registration has been received.