



Neuro Orthopaedic Institute *presents*



Clinical Applications: Upper limb, thorax, neck

This course has a strong problem solving and 'hands on' focus and draws knowledge from the NOI international faculty. The science of neurodynamics is updated in relation to upper and lower limb disorders. Neural mobilization techniques and neural interface techniques such as motor control strategies are taught. Skilled handling of upper body neural structures is taught via clinical syndromes such as carpal tunnel syndrome, tennis elbow and thoracic neural disorders including physical disorders of the sympathetic trunk. Cervical nerve root disorders are a particular focus of the course.

Prerequisite 'Mobilization of the Nervous System' (Level 1 NOI course)

Complementary course 'Clinical Applications: Lower limb and lumbar spine' *Skilled handling of lower limb nerves and roots is taught via common clinical syndromes such as nerve root disorders, plantar fasciitis, patello femoral problems, lumbar nerve root problems and recalcitrant groin pain.*

Follow on course 'The Sensitive Nervous System' (Level 3 NOI course)

CEUs This course is approved for CEUs by most state PT Associations in USA. *All NOI courses include patient education as an evidence-based treatment tool, and are supported by quality workbooks, graphics and post course web involvement.*

GOAL STATEMENT (AIMS)

The aim of the clinical applications course is to enhance the clinician's ability to manage common peripheral neurogenic disorders through appropriate techniques incorporating patient education, manual therapy, therapeutic exercise, and home programs. Course content will be based on best evidence from the basic sciences and clinical trials. Clinical reasoning strategies and case studies will be presented to enable participants to apply course content to the management of an individual patient.

LEARNING OBJECTIVES

Upon completion of this course, the participant should be able to:

1. Describe the pattern of subjective and physical examination features thought to be indicative of a peripheral neurogenic disorder.
2. Discuss the neurophysiological pain mechanisms responsible for the clinical manifestations of a peripheral neurogenic disorder, and be able to express these mechanisms in language appropriate for patient education.
3. Describe the normal interrelationship between the physiology and biomechanics of the nervous system and its associated connective tissues, and discuss how alterations in this interrelationship contribute to the development and maintenance of peripheral neurogenic disorders.
4. Demonstrate the various examination techniques presented in this course for the detection of peripheral neurogenic disorders (eg. Neurodynamic tests, palpation, examination of relevant neural container tissues).
5. Demonstrate the various techniques presented in this course for the management of peripheral neurogenic disorders (eg. patient education, neural tissue gliding techniques, selected techniques to address relevant impairments in the neural container tissues).
6. Integrate the concepts and skills from the aforementioned objectives into a clinical reasoning framework that permits an individualized approach to the examination and management of each patient presenting with a peripheral neurogenic disorder.
7. Apply this clinical reasoning framework and individualized approach to patient case examples presented during the course.

December 5-6, 2009, Chicago, IL, USA

with Bob Johnson, PT, MS, OCS and John Tomberlin PT, OCS, CSCS, FAAOMPT

Cost \$400.00 pp.

Registration is open to registered Physical Therapist, Occupational Therapist, and Physicians (MD or DO).

TO REGISTER OR FOR MORE INFO

ONLINE: submit via email: heatheraori@gmail.com

PHONE: 630-321-0055

FAX: Please fax registration forms to 630-321-0088

Full name:

Name: _____

Address: _____

Daytime: _____

Phone: _____

Fax: _____

Email: _____

Payment by check 'OMPT'

Amount \$ _____ Check No.: _____

Post to: 908 N. Elm Street suite 109 Hinsdale, IL 60521

Payment by credit card

Amount \$ _____ MC VISA Amex

Card# _ _ _ _ - _ _ _ _ - _ _ _ _ - _ _ _ _

Expiration Date: _ _ - _ _ _

Cardholders 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.

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COURSE PROGRAM

Day 1 - 8.00am to 4.30pm

8:00 – 8:15 Introduction and welcome
8:15 - 10:00 Clinical reasoning and neuropathology in the upper quadrant
10:00 - 10:15 Break
10:15 - 11:15 Nerve palpation and the neural container
11:15 - 12:00 Treatment principles in neurodynamics
12:00 - 1:00 Lunch
1:00 - 2:30 Clinical Application: The cervical spine
2:30 - 3:30 Clinical Application: The thorax and rib cage
3:30 - 3:45 Break
3:45 - 4:30 Clinical Application: Posture, muscle control and the shoulder complex
4:30 Class ends

COURSE PROGRAM

Day 2 - 8.00am to 4.45pm

8:00 – 8:15 Questions and review
8:15 – 9:45 Clinical Application: The shoulder joint
9:45 – 10:00 Break
10:00 – 11:00 Clinical Application: The elbow joint
11:00 – 12:00 Precautions and contraindications
12:00 – 1:00 Lunch
1:00 – 2:00 Clinical Application: The wrist and hand
2:00 – 2:45 Education: Explaining nerve injuries to patients
2:45 – 3:00 Break
3:00 – 3:30 Case studies
3:30 – 4:30 Introduction to central pain states: The whiplash patient
4:30 – 4:45 Questions, review and comments
All course programs may change slightly.

NOI INTERNATIONAL FACULTY

NOI faculty members are hand selected via a thorough protocol and undergo progressive peer and expert training. All faculty members travel widely to meet their teaching commitments, have postgraduate manual therapy educations, and are members of national associations and of the International Association for the Study of Pain (IASP).

Neuro Orthopaedic Institute Australasia is an independent, international group of physiotherapists dedicated to quality education and resource distribution. Visit our award winning website www.noigroup.com for course descriptions and worldwide schedules, books, reviews, products and discussions.
19 North Street, Adelaide, South Australia 5000 **E** info@noigroup.com **T** 61 (0)8 8211 6388 **F** 61 (0)8 8211 8909

COURSE HOSTING

You, or your organization, can coordinate and host a NOI course in either an open or inhouse format. For more information, email info@noigroup.com or in USA, contact our NOI agents (see below).