



Neuro Orthopaedic Institute presents



Clinical Applications: Lower Limb & Lumbar Spine

With a strong problem solving and 'hands on' focus this course updates the science of neurodynamics in relation to upper body disorders. 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.

Participants are instructed in therapeutic education and therapy via active and passive movement strategies.

COURSE 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.

COURSE 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).

DAY ONE: 8.15am - 4.30pm

Clinical Reasoning/Review of
 Neurodynamic Principle (case study)
 Neurogenic Screening
 Neurodynamic Treatment Principles /
 Guidelines
 Femoral Nerve Syndromes
 Obturator Nerve
 Differential Diagnosis: Groin Pain

DAY TWO: 8.30am - 4.15pm

Review
 Sciatic Nerve & Branches
 Neurobiology Education Lab
 Lumbar Radiculopathy
 Clinical Management/ Overview of
 Central Pain Patient
 Questions / Wrap -up

Pre-requisites: *Mobilisation of the Nervous System* (Level 1 NOI course)

Complementary course:

Clinical Applications: Upper limb, thorax and neck

Skilled handling of upper body neural structures is taught via clinical syndromes such as carpal tunnel syndrome, tennis elbow, and thoracic neural disorders of the sympathetic trunk. Particular focus is given to cervical nerve root disorders.

CEUs:

. *This course is open to:* PT's, OT's, MD's and DO's.

April 18 & 19, 2009 Rapid City South Dakota

with Bob Johnson, PT, MS, OCS and John Tomberlin PT, OCS, CSCS, FAAOMPT **COST \$400.00 USD 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

Local Course Host:

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.