



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 approved for CEUs by the IPTA. **This course is open to:** PT's, OT's, MD's and DO's.

May 2-3, 2009 Chicago, IL

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

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: _____