

NOI courses instructed by Bob Johnson, Chicago Illinois 2011

Mobilisation of the Nervous System

The MOTNS course offers a comprehensive introduction to the diagnosis and management of physical dysfunction of the nervous system, all within a clinical reasoning and pain sciences framework. There is plenty of practical work, some very up to date neurobiology and clinicians should be able to rapidly merge the material into all existing manual therapy frameworks.

Explain Pain

This two day seminar is based on David Butler and Lorimer Moseley's book *Explain Pain*. Bob Johnson will help you understand how the pain system works when there are injured tissues and nerves, and what happens in the brain in relation to pain experiences. You will also hear about the impact of stress in relation to pain. The seminar is delivered in a way in which any professional working with patients or clients in pain can utilize.

Neurodynamics and the Neuromatrix

This lecture, practical and interactive course is all about neurons. It explores how movements of the nervous system, activation of brain representations of the movements plus targeted therapeutic neuroscience education can provide a potent therapy for many persistent pain states. The course creates assessment and management strategies based on advanced neurodynamics and neuroscience education.

Clinical Applications: Upper limb, thorax and neck

This course has a strong problem solving, hands-on focus and draws on knowledge from the NOI international faculty. The science of neurodynamics is updated in relation to upper limb disorders. Neural mobilization techniques and neural interface techniques such as motor control strategies are taught. You will also learn skilled handling of upper body neural structures 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. MOTNS prerequisite.

Clinical Applications: Lower limb and lumbar spine

With the same structure as the CA Upper body course the CA Lower body course focuses on lower 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. MOTNS prerequisite.

January 15-16

February 5-6

March 26-27

April 9-10

September 17-18

October 1-2

November 12-13

December 2-3

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Neurodynamics and the Neuromatrix



David Butler has an international reputation for innovative clinical thinking, translation of basic science findings into real world applications, and being able to communicate both like no-one else. He is author of several books, including *Mobilisation of the Nervous System*, *The Sensitive Nervous System* and *Explain Pain*. He has developed and implemented pain science curricula for undergraduate and post-graduate programs, has taught over five thousand clinicians in 25 countries and is also a regular keynote speaker at clinical conferences internationally.



Bob Johnson PT, MS, OCS is co-owner and clinical director of Achieve Orthopedic Rehab Institute in Chicago, Illinois. His seven outpatient offices focus on manual therapy and exercise interventions for acute and chronic pain of the spine and extremities. He has been practicing since 1979 and currently directs an APTA credentialed Orthopedic PT residency program in addition to treating patients and teaching a 10 month long-term manual therapy seminar in Chicago. Bob has been a 'nerve-head' for a really long time and has taught with David Butler and the NOI team since 1999.

What is noi?

Neuro Orthopaedic Institute (NOI) has been in operation for 20 years, with instructors working on all continents with multidisciplinary audiences. NOI faculties exist in the United States, Canada, Australia, United Kingdom, German speaking Europe, Italy, Spain, Scandinavia, and more recently, Chile and India. Organizing over 100 seminars a year throughout the world, NOI's faculty members are active in many conferences, university programs and other postgraduate education sessions. The company reinvests in education and around 10% of educational fees go towards clinically based research.