2016 MAPS Symposium Pre-conference #1: Michael Shacklock
“Clinical Neurodynamics - Upper Quarter Manual Therapy Course”

Lab-intensive, hands-on instruction from the Internationally-acclaimed founder of the Neurodynamic Approach

Instructor: Michael Shacklock, DipPhysio, MAppSc, FACP
Dates: Wednesday April 27 and Thursday April 28, 2016
Course Hours: DAY 1: 8:00AM-5:00PM; DAY 2: 8:00AM-5:00PM
Contact Hours: 15 direct contact hours (1.5 CEUs)
Max Participants: 30...strictly limited seating
Prices: Seats “EXCLUSIVELY” for 2016 Symposium Registrants until 1/31/16
• Symposium Registrants: $495 through 1/31/16, then $595 thereafter
• Non-Symposium Participants: registrations open on 2/1/16 - $675/pp

Don’t miss Michael Shacklock’s last U.S. course in 2016!

Think you understand Neurodynamics?...maybe not...the concept has been significantly revised and improved by its founder, Michael Shacklock

This course is taught in Australia and around the world at select universities, elite sports centers and hospitals, this practical, lab intensive 2-day, hands-on course reorganizes the old physiotherapy concept of neural tension into a revised, improved process of neurodynamics, incorporating Michael Shacklock's NEW and highly acclaimed original groundbreaking research. Mr. Shacklock, the originator of the concept of neurodynamics in physiotherapy, has now definitively linked neurodynamics to the musculoskeletal system based upon his international, best-selling textbook, “Clinical Neurodynamics.” These concepts are further supported by his current peer-reviewed research into the specific movement of nerves.

The concept of neurodynamics is clearly and methodically presented in this course, offering the clinician new techniques for diagnosis and treatment of musculoskeletal problems with a neural component. The Shacklock concept helps the therapist select and perform new diagnostic and treatment techniques, without provoking symptoms, and progresses from the highly restricted patient through to the elite level athlete. These concepts are illustrated throughout the course with practical demonstrations and real-time imaging videos of neural movement techniques, collected exclusively by Michael Shacklock and the Neurodynamic Solutions (NDS) faculty. This lab/practical course offers neurodynamic solutions for the therapist in musculoskeletal practice...solutions you can immediately use on Monday morning! The course addresses disorders of the Upper Quarter as well as specific disorders including: Cervical radiculopathy and cervico-brachalgia, lateral elbow pain, and carpel tunnel syndrome.
Course Objectives: At the conclusion of the course, participant learners will improve and/or develop:

- Manual physiotherapy skills, specifically the ability to feel abnormalities in movement related to the nervous system in the upper quarter.
- Abilities in diagnosis and interpretation of upper quarter neurodynamic testing and musculoskeletal relationships.
- A repertoire of diagnosis and treatment techniques for the clinician
- Safety in relation to clinical neurodynamics
- Apply clinical neurodynamics in the context of the evidence based research.

Course Requirements:
- Open to PTs, Physicians, D.O.s ONLY
- Lab clothes required

Course Features include:
- Lab/practical sessions with demonstrations and directly supervised practicing of techniques
- New neural testing and treatment techniques
- New systematic diagnosis and treatment approaches
- Integration of neural techniques with the musculoskeletal system
- Systematic progressions from low to high levels of performance
- Scientific support with evidence-based research and real-time videos of nerve movement.

Course Schedule/Contents:

**DAY 1 (Wed): 8:00AM-5:00PM**
- The concept of neurodynamics
- Neurodynamic sequencing
- Effect of bilateral neurodynamic testing on neurodynamics
- Neuropathodynamics – expanding the boundaries and classification of different dysfunctions
- Neurodynamic testing – MNT1, MNT2, RNT, UNT and sensitization
- Planning the physical examination – how not to provoke pain but still treat the neurodynamic component.
- How to sensitize the examination and treatment for hidden neurodynamic problems, level 1,2 and type 3a, 3b, 3c examinations.

**DAY 2 (Thur): 8:00AM-5:00PM**
- Diagnosis of neurodynamic tests – differentiating neural tissue from neuromusculoskeletal tissues, establishing what is normal and abnormal.
- Classification and diagnosis of specific dysfunctions – sliding dysfunction, tension dysfunction, pathophysiological dysfunction, mechanosensitivity dysfunction, mechanical interface dysfunctions, hyperactivity protective muscle dysfunction, innervated tissue dysfunctions.
- Method of treatment – system of technique progression, hypersensitivity problems, hidden neural component and sensitized examination.
- Treatment progressions – cervical nerve root foraminal opening and closing dysfunctions, neural tension dysfunction, combined neural tension and reduced closing dysfunctions (level/type 3c), treatment combinations, lateral elbow pain, carpal tunnel syndrome. Neural tension dysfunction, specific neural sliding dysfunctions.
Course Instructor Biography:
MICHAEL SHACKLOCK, DipPhysio, MAAppSc, FACP

Michael received his physiotherapy degree at the Auckland School of Physiotherapy, New Zealand, in 1980. He worked in public hospitals in the medical, surgical, pediatrics, orthopedics, intensive-care and burns areas around New Zealand before being employed in private practices, treating spinal and sports injuries in Nelson and Auckland. In 1985 he moved to Adelaide, Australia, practicing at the Royal Adelaide Hospital and private practices around Adelaide. He then completed his Masters of Applied Science (Manipulative Physiotherapy) at the University of South Australia in 1993 and earned the prestigious honor of Fellowship in the Australian College of Physiotherapists (FACP) for his monograph and international best seller textbook, *Clinical Neurodynamics*, Elsevier, Oxford, 2005. Fellowship in the Australian College of Physiotherapy is extremely rigorous and highly selective, and Michael is one of only sixty three musculoskeletal physiotherapists worldwide to earn this honor. In addition to his neurodynamics book, Michael has published two other books, *Moving in on Pain* (Elsevier) and *Biomechanics of the Nervous System;* Breig Revisited. In addition, he also authored, co-authored and mentored numerous research projects and articles, commentaries and clinical papers in international peer reviewed journals and is a reviewer for, and is on the International Advisory Board of, Manual Therapy journal, United Kingdom. His special interests are neurodynamics, pain and musculoskeletal function. He continues to give invited presentations and workshops at conferences, elite sporting and sports medicine facilities, universities, hospitals and seminar hosts around the world. Michael is an active clinician, with more than 30 years experience treating patients, and is recognized as an international leader in the diagnosis and treatment of musculoskeletal disorders with a neural aspect. Michael currently practices physiotherapy in Cumberland Park in South Australia.

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NDS Neurodynamic Solutions
26 Erskine Street
Goodwood 5034
AUSTRALIA
References:


The clinical application of central pain mechanisms in manual therapy.

Central pain mechanisms: A new horizon in manual therapy.

Positive Upper Limb Tension Test in a Case of Surgically Proven Neuropathy: Analysis and Validity.