

Clinical Neurodynamics: A New System of Musculoskeletal Treatment - Lower Quarter

Course Instructor: Michael Shacklock (Dip.Physio., M.App.Sc.)

Dates: 23-24 April 2008

Approved Continuing Education Hours: To be announced

Level: Basic

Based on Michael Shacklock's innovative and internationally acclaimed best selling text, the Neurodynamic Solutions courses have been running for over five years and are offered globally, in the USA, Canada, UK, Scandinavia and Nordic regions, Middle East, Europe, India, South America and Australia. These practical hands-on courses take the therapist from the old concepts of neural tension to a new concept of neurodynamics. Shacklock's neurodynamic concept is presented clearly and methodically and offers 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 which are illustrated with practical demonstrations and real-time imaging videos of neural movement techniques, collected exclusively by Michael Shacklock and the NDS Neurodynamic Solutions faculty.

Upon completion of this course, you will be able to:

- Perform neurodynamic (formerly neural tension) testing
- Make a diagnosis of Neurodynamic dysfunction in patients
- Plan and select appropriate treatment
- Perform the appropriate manual therapy treatment for neurodynamic disorders of the lower quarter

Course Instructor: Michael Shacklock (Dip.Physio., M.App.Sc.)

Director and Founder of Neurodynamic Solutions (NDS), Michael Shacklock established the organization to disseminate and develop improved knowledge of neurodynamics in clinical practice. In addition to his work at NDS, Michael is Clinician and Director, City Physiotherapy and Sports Injury Clinic, Adelaide Australia. He is also an Adjunct Clinical Faculty member of the Division of Physical Therapy, in the School of Health Professions, College of Health and Human Sciences, at Georgia State University, Atlanta, Georgia.

Michael graduated in 1980 from the Auckland Technical Institute (now Auckland University of Technology), and received a Master of Applied Science from the University of South Australia 1993, writing his dissertation on Neurodynamic Sequencing.

Michael has given numerous keynote and other invited presentations at international conferences around the world. He is on the International Advisory Board for journal for Manual Therapy and Reviewer for several journals and has written several books and published articles.

Pre-Course Readings

Shacklock M 2005, *Clinical Neurodynamics: A New System of Musculoskeletal Treatment*, Elsevier, Oxford

Course Schedule:

Day 1 (9:00 to 5:00)	
9.00-10.30	Concept of Neurodynamics
10.30-10.50	Morning Tea
10.50-12.30	Nerve Palpation Techniques - Sciatic, Tibial, Peroneal, Sural
12.30-1.30	LUNCH
1.30-2.30	Neurodynamic Tests - Straight Leg Raise, Tibial, Peroneal, Sural Nerve
2.30-2.50	Afternoon Tea
2.50-4.00	Neurodynamic Tests - Slump, Prone Knee Bend, Structural Differentiation, Normal Responses
4.00-4.30	Diagnosis with Neurodynamic Tests
4.30-5.00	Planning the Physical Examination and Treatment
Day 2 (9:00 to 5:00)	
9.00-10.30	Diagnostic Categories - Opening, Closing, Sliding, Tension, Pathophysiological
10.30-10.50	Morning Tea
10.50-12.30	Treatment - Lower Back Pain and Radiculopathy
12.30-1.30	LUNCH
1.30-2.30	- Hip/Pelvis, Piriformis Syndrome, Sciatic Nerve with Hamstring Injury
2.30-2.50	Afternoon Tea
2.50-5.00	- Knee Pain, Heel and Foot Pain (Tarsal Tunnel Syndrome)
5.00	CLOSE

Special Notes to Participants:

No recording is permitted on the course- visual, audio or any other type.

Please come prepared and dressed properly for a practical session

Availability:

This course is available to licensed physical therapists only.

Enrollment is limited to 25 participants.

Registration Fees: 500 USD (Course Only)

250 USD (Conference Delegates)

Course Locations: Ladies Club/ AlWasl Hospital