



Neurodynamics and the Neuromatrix

October 20 - 21, 2012 Chicago, IL

This is a NOI LEVEL 2 – TWO DAY COURSE

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.

You will learn about clinical utilization of the neuromatrix paradigm, immune links to pain, some modern stress sciences, biologically based graded exposure, homuncular refreshment techniques and virtual body exercises. You will learn how to talk about “pain in the head” in a therapeutic way.

Updated active and passive neurodynamic techniques focusing on the upper limbs, thorax, spinal cord and nerve root will be taught and their place in both peripheral and central sensitization will be emphasized. Lots of practical’s, lots of interaction, cutting edge neuroscience . . . and you will have fun learning!

COURSE AIMS

- Introduce the neuromatrix paradigm and update the pain mechanisms paradigm
- Review and update the neurodynamic tests for the upper body
- Place the neurodynamic tests in a framework of peripheral and central sensitivity
- Provide the basis of therapeutic neuroscience education
- Teach biologically based graded exposure
- Link educational strategies with neurodynamics

COURSE PROGRAM

Day 1: 8:00am – 4:30pm

- Registration 7.30 - 8.00
- Modern Paradigms for Rehabilitation
- Neurodynamics and Modern Neuroscience
- Basic and Advanced Neurodynamic Techniques
- Median, Radial, Ulnar and Musculocutaneous Nerves and Representations
- Peripheral Sensitivity – Central Sensitivity

Day 2: 8:00am – 3:30pm

- Protective Systems and their Perturbations
- Long Sit Slump, Thorax and SMP
- Explain Pain Basics and Examples
- Neurodynamics and Central Sensitization



Robert Johnson is the Owner / Clinical Director of Achieve Orthopedic Rehabilitation in Chicago, IL. He is a Board Certified Orthopedic Clinical Specialist, American Physical Therapy Association. He is very active in post-professional education of physical therapists locally, nationally and internationally. Robert’s clinical interests include spinal dysfunction, acute and chronic neuropathic pain syndromes and manual therapy.

Location: Chicago, IL

COST: \$425.00 USD

TO REGISTER OR FOR MORE INFO

ONLINE: submit via email: matthew@achieveortho.com

PHONE: 312.642.3963

FAX: 312.642.3966

PLEASE PRINT CLEARLY

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REGISTRATION IS OPEN TO: Physical Therapists (PTA & PTA), Occupational Therapists, and Physicians (MD or DO) - appropriate qualifications and experience are applicable, check with your course host. CEU’s are approved for physical therapists only. NOI courses include patient education as an evidence-based treatment tool, and are supported by quality workbooks, graphics and post course web involvement.

Participant Cancellation: If written notification of cancellation is received to AORI 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.