

Neuro Orthopaedic Institute (NOI) Australasia has a core philosophy to provide progressive, current material, always challenge existing management protocols, promote professional reinvestment, and to ensure that course participants benefit from the most recent research and clinical thinking in an educationally sound and fun way. Noigroup Publications has grown from the demand for resources to support our education system and emerging research. Current NOI research directions are in internet education, public health literacy education, graded motor imagery and neurodynamics.

Graded Motor Imagery

A two-day course with Robert Johnson

Graded Motor Imagery (GMI) – a sequence of left right discrimination strategies, explicit motor imagery and mirror therapy is presented in a very interactive lecture and practical course. GMI can be used for problems where therapy has been difficult or ineffective in the past, such as phantom limb pain, complex regional pain syndrome and pain from brachial plexus tears to more common problems such as nerve entrapment, osteoarthritis and persistent back pain.

This course will help you understand the basic neuroimmune sciences underpinning the neuroplastic changes which are the main targets of GMI. The relationship of pain to other homeostatic and response systems such as the immune and endocrine systems, cognitions and language will be introduced as this knowledge is regarded as essential for optimal treatment using GMI.

Using GMI can be hard work. We want to make sure that you can apply the techniques using best current clinical reasoning, identify groups who may benefit from GMI and integrate it into an overall rehabilitation model. There's lots of neuroscience, plenty of practical time, probable challenges to your current clinical thinking and a bit of fun!

Course Instructor



Robert Johnson (PT MS OCS) is co-owner and clinical director of Achieve Orthopedic Rehab Institute in Chicago, Illinois. His seven out-patient offices focus on manual therapy and exercise interventions for acute/chronic pain of the spine and extremities. Bob has been practicing since 1979 and currently directs an APTA credentialed Orthopedic physical therapy residency program in addition to treating patients and teaching a ten month long-term manual therapy seminar in Chicago. He is a former faculty member of Northwestern University Medical School and past Chair of the Orthopedic Specialty Council, American Board of Physical Therapy Specialties. Bob is also a current adjunct faculty member for the University of Southern California Spine Fellowship program. Robert has been a 'nerve-head' for a really long time, and has taught with David Butler and the NOI team since 1999.

Course Program *(course programs may have regional variations)*

START / FINISH 8.30am – 4.30pm

Lecture 1 – Introduction, definitions and history of GMI

Lecture 2 – Neuroscience basics: The neuromatrix paradigm, mirror neurons, neuroplasticity

Lecture 3 – Graded exposure principles and application to GMI

Lecture 4 – Laterality reconstruction: theory, principles and techniques

Lecture 5 – Motor Imagery: theory, principles and techniques

Lecture 6 – Mirror therapy: theory, principles and techniques

Lecture 7 – Neuroscience education as GMI ally – what do you tell them?

Lecture 8 – The clinical reality – Science to the clinic

At the end of the seminar, participants should be able to:

- Understand, describe and discuss the basic sciences behind GMI
- Be aware of, and interpret previous, current and ongoing research behind GMI
- Apply GMI skills to an overall rehabilitation programme and be able to reason tailored treatments
- Identify the kinds of patient where GMI could be appropriate
- Apply and analyse practical knowledge and skills of GMI therapy including implicit and explicit motor imagery and mirror therapy

Vancouver BC, Canada | 17-18 June 2017

Venue | The Vancouver Club, 915 West Hastings St
Vancouver, BC V6C 1C6

Dress and conduct code applies

Cost | CAD\$500 per registrant – cost includes GST, workbook, morning coffee and pastries

Host | Kathleen Leachman | kleachmanrmt@gmail.com

This course is open to Physical Therapists and Occupational Therapists, and other health professionals involved in pain management.

Registration | Further information

Final day for registration is June 10th, no refunds after May 17th. Places are strictly limited and only secure on payment.

Contact the course host, or lodge your formal enquiry via www.noigroup.com/courses

Payment from Canada | cheque or e-transfer to Kathleen Leachman kleachmanrmt@gmail.com
409-1150 E.29th St North Vancouver, BC V7K 3E2

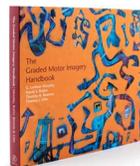
Payment from US | bank draft or PayPal in CAD\$ to the course host as above. Please DO NOT send a check drawn on a US bank account.

Course requirements

Participants are required to bring a laptop, iPad or Android device preloaded with a Noigroup Recognise™ App of their choice (6 body part options) – available for iOS or Android, phone or tablet from www.noigroup.com. The new Recognise™ Apps contain advanced toolsets for the first two stages of Graded Motor Imagery, has many new clinician features and streamlines patient use and treatment. iPad or Android device with internet connection.

Prerequisites | Resources

Attendance at an *Explain Pain* course is strongly recommended, as would as would pre-reading *The Graded Motor Imagery Handbook* and study of the information and resources provided at www.gradedmotorimagery.com



The Graded Motor Imagery Handbook |

A handbook arising from the last fifteen years of neuroscience, clinical trials and clinical reasoning science is here for both clinicians and pain sufferers. GMI offers a novel three stage synaptic

exercise process for neuropathic pain involving left/right discrimination, imagined movements and mirror therapy. With patience, persistence and often lots of hard work, GMI gives new hope for treatment outcomes. *Noigroup 2012*

course registration form one form per registrant

GMI two-day course presented by Robert Johnson

Date: Saturday and Sunday, 17-18 June 2017
Time: Saturday 8:30am to 5pm (Registration 8:30 - 9am) | Sunday 9am to 4:30pm
Venue: The Vancouver Club, 915 West Hastings St
Vancouver, BC V6C 1C6
Cost: \$500 (inc. GST) Includes workbook, coffee and pastries
No refunds after May 17th | Last day to register June 10th
Host: Kathleen Leachman | E kleachmanrmt@gmail.co | T 604 980 9425

To register for this course, please complete the form and follow instructions for payment.

Date _____

Title (Mr/Ms/Dr): _____ First Name _____ Last name _____

Professional designation _____

Organisation _____

Email _____

Phone (work hours) _____ (after hours) _____

payment

No refunds after May 17th | Last day to register June 10th

CANADIAN RESIDENTS

Paypal or bank draft to course host:
Kathleen Leachman
kleachmanrmt@gmail.com
409-1150 E. 29th St. North Vancouver,
BC, Canada V7K 3E2

US PARTICIPANTS

US participants must pay in Canadian
currency.
Paypal or bank draft to course host:
Kathleen Leachman
kleachmanrmt@gmail.com

Terms and conditions

- No refunds after 17 May 2017 | Last day to register 10 June 2016
- Registrant cancellation: up to and including 17 May – course organiser will refund the course fee less a \$50.00 administration fee. After 17 May – no refund, however, your registration may be transferred to a colleague, in which case they will need to submit a registration form so we have their contact details.
- In the event of having to cancel the course due to unforeseen circumstances notification will be sent as soon as possible via your contact details provided and registrants will receive a full refund of the course fee.
- Course places are secured once payment has been successfully processed.