



noi

Healthy notions of self through neuroscience knowledge

NOI's core philosophy is to create and provide evidence-based multimedia resources and courses for the treatment of pain. NOI reinvests directly into ongoing research in pain literacy education, graded motor imagery and neurodynamics.

Pain, Plasticity & Rehabilitation

Altered outputs of the damaged nervous system:
the forgotten problem of pain in neurological rehabilitation

A two-day course presented by Brendon Haslam & David Butler
Adelaide SA, Australia | 14-15 May 2016

This lecture, practical and interactive course devised by Brendon Haslam and David Butler, is about developing management strategies for the neurological patient with pain. It will help you to understand how the pain system works, the notion of pain as an output, and how this fits with neurological diagnoses/conditions. The relationship of pain to other homeostatic and response systems such as the immune and endocrine systems, cognitions and language will be introduced.

We know from research that neurological populations (such as Stroke, Spinal Cord Injury, Parkinson's Disease and Multiple Sclerosis) experience higher incidences of chronic pain than that of the neurologically intact population. The addition of pain compounds the already disabling effects of the neurological condition, causing greater functional difficulties in task performance. Despite this, clinical guidelines remain consistently vague with regards to recommendations as to how to address this significant problem, and it is too often neglected in patient care.

This course will cover assessment and management strategies for this population, utilising strategies such as graded motor imagery, sensory retraining, and neuroscience education. You will learn how to utilise these strategies to influence pain and other outputs as appropriate, develop ideas of progression, and, importantly, learn how these fit within the rehabilitation model utilised in neurological rehabilitation, in both the acute and long-term setting.

Course aims

1. To introduce the concept of pain as one of many output systems that may be perturbed in neurological patients.
2. To expand the clinical framework of neurological rehabilitation to incorporate pain rehabilitation, via the paradigms of neuromatrix and pain mechanisms.
3. To reconceptualise pain in terms of modern neuroscience and philosophy.
4. To introduce an array of established and novel treatment strategies targeting the neurological patient with pain, based on clinical reasoning and evidence from clinical trials and neurobiology.
5. To introduce the role of education in effective pain treatment, based on current research.

Course Programme – Day 1

- Pain in the Neurological Population: incidence, classification and impact
- Biopsychosocialism and use of paradigms
- Nociceptive, Neuropathic and Neuroplastic Pain: What does it all mean?
- Pain and the damaged nervous system: central pain mechanisms
- Sensory profiling and retraining
- The output and homeostatic pain mechanisms

Course Programme – Day 2

- Environment enrichment and spatial perception
- Graded Motor Imagery: 'Sliding under the radar'
- Peripheral sensitisation
- Therapeutic Neuroscience Education: 'Taking the threat out of pain'

Prerequisites / Enhancing your course outcomes: while there are no formal pre-requisites for this course, clinical experience in treating neurological patients would certainly be advantageous. Pre-reading recommended: *Explain Pain Second Edn*, Butler & Moseley, Noigroup Publications (2003), ISBN 978-0-9750910-0-5.



Brendon Haslam

Brendon has been working in combined neurological and pain rehabilitation since 1997, during this time completing his Masters in Neurological Physiotherapy (2000) at the University of Melbourne. Since 2002 Brendon has been teaching post graduates and has furthered his training in numerous treatment approaches including Bobath and Proprioceptive Neuromuscular Facilitation. Brendon's particular interest is in developing treatment approaches for the neurological patient with pain and he is currently undertaking his PhD exploring treatment of pain in the stroke patient.

David Butler

As director of NOI, David 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. David is author and co-author of several books, including *Mobilisation of the Nervous System*, *The Sensitive Nervous System*, *Explain Pain*, *The Explain Pain Handbook* and *The Graded Motor Imagery Handbook*. He has developed and implemented pain science curricula for undergraduate and post-graduate programmes, has taught over five thousand clinicians in 25 countries and is also a regular keynote speaker at international clinical conferences.

Date Saturday May 14, 8.30am – 5pm
Registration 8.30 – 9.00am
Sunday May 15, 9am – 4.30pm

Venue Rockford Hotel, 164 Hindley Street

Cost \$750* [INCL. GST] per registrant

Host Fran Ammirato, fran@noigroup.com
Telephone Tue-Fri (08) 8211 6388

To enquire or register please contact the course host directly, or lodge an enquiry via www.noigroup.com/courses

The PPR course is open to health professionals working with neurological patients with a desire to manage associated pain states.

**Cost includes catering, workbook and two Recognise™ online licences – in order to maximise this opportunity we recommended you bring to the course a laptop, iPad or Android device (internet connection available).*



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course registration form one form per registrant

[PPR-ADL]

Pain, Plasticity & Rehabilitation | Adelaide SA | 14-15 May 2016 | Haslam & Butler

When: Saturday 14th 8:30am to 5pm (Registration 8:30 to 9am) | Sunday 15th 9am to 4:30pm

Venue: Rockford Hotel Adelaide, 164 Hindley Street, Adelaide, South Australia

Cost: \$750 (GST inclusive). Cost includes catering and workbook

Enquiries: Fran Ammirato – courses@noigroup.com or telephone (08) 8211 6388 Tuesday to Friday.

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

Date _____

Title _____ Name _____

Professional designation _____

Organisation _____

Email _____

Phone (work hours) _____ (after hours) _____

Address _____

_____ Postcode _____

Food allergies _____

payment

CHEQUE

Make payable to
'Neuro Orthopaedic Institute'
Post with registration form to:
Noigroup
19 North Street
Adelaide SA 5000

CREDIT CARD

Fax this form including credit card payment details to (08) 8211 8909

Amount Paid \$ _____

Name on card _____

Card no. _ _ _ _ - _ _ _ - _ _ _ - _ _ _ _

Expiry _ _ / _ _ CVC _ _ _ Signature _____

terms and conditions

NOI COURSES AUSTRALIA

- Registrant cancellation: Up to 21 days prior to the start of the course – NOI will refund the course fee less a \$50.00 administration fee. Eight to twenty days prior to the start of the course – NOI will refund 50% of your total cost. Within 7 days of the start of the course – 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 NOI 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.
- Please note the NOI office is open Tuesday to Friday.