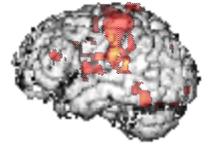


Stroke Rehab: From No-Tech to Go-tech Special Satellite WORKSHOP



Sensory Rehabilitation following Stroke: Neuroscience Foundations, New Evidence and Application to Clinical Practice. *Presenter: Prof Leanne Carey*



Overview

Loss of body sensations is common post-stroke with negative impact on exploration of the environment, hand function and activity participation. In this workshop Dr Carey will present an evidence based approach to sensory rehabilitation (<http://youtu.be/G9V3I30pn68>). The nature of loss, neuroimaging outcomes, and impact on function will be reviewed. New quantitative sensory measures will be presented and neuroscience foundations of recovery discussed. Approaches to sensory retraining will be critically appraised. A novel, evidence-based approach to sensory discrimination training that is founded on neuroscience and perceptual learning will be presented with evidence from a randomised controlled trial. Application of principles of training to occupation-based, client-centred tasks and preliminary evidence of effectiveness of this approach will also be presented. Participants will have an opportunity to apply the assessment and training approaches in the context of clinical case scenarios.

By attending this workshop you will:

- Appreciate the nature of sensory loss following stroke and its functional impact
- Critically evaluate current assessment methods and be aware of new standardized assessments.
- Critically evaluate methods of treating sensory loss relative to current principles of neuroscience.
- Apply newly researched sensory retraining methods to a range of sensory stimuli and tasks.
- Apply evidence-based principles of sensory retraining in the context of functional activities.
- Adopt an evidence-based approach to assessment and rehabilitation of sensory loss following stroke

Leanne Carey

BAppSc(OT), PhD, FAOTA, FOTARA

Professor Leanne Carey is founding head of the Neurorehabilitation and Recovery research group at the Florey Institute of Neuroscience and Mental Health, Melbourne, Australia and is a Professor of Occupational Therapy at La Trobe University. Her research program focuses on development of approaches to rehabilitation that are founded on theories of neuroplasticity and learning, and empirically tested for clinical and neuroanatomical outcomes using functional neuroimaging techniques. More recent research includes the impact of depression and cognition on stroke recovery and optimal targeting of rehabilitation post-stroke through novel brain imaging and biomarkers.

Date: 1st and 2nd of February 2018; immediately following Stroke Rehab: from No-tech to Go-tech Conference

Venue: The University of Canterbury, Christchurch. Details to follow on completion of registration

Times: 9.00 am till 5pm (registration 9.00am on the 1st)

To register: This workshop is provided as a Combined Conference offering in conjunction with the Stroke Rehab:

From No-tech to Go-Tech Conference. Register online at <http://www.science.canterbury.ac.nz/stroke-rehab/>

Or contact: strokerehabconference@canterbury.ac.nz

