



Presents

Rehabilitation of the Neurological Upper Limb- 3 days

Course Objectives: This three day course has been developed to promote understanding of the principles of normal function of the upper limb and the disruption to its functional use as a result of brain injury or neuro-medical conditions. This course is designed to: increase confidence in the assessment of and handling of the upper limb, learn principles of biomechanical management and how to use different approaches to encourage movement and function whilst embracing technological advancements in clinical practice.

Day 1 (9:15 Registration & start)

- Development of the upper limb as a tool
- Review of anatomy of the upper limb- joints, bones, scapula, shoulder girdle, rotator cuff and upper muscles of arm
- Motor control theory
- Somatosensory system
- Primary and secondary impairments of the upper limb following brain injury
- Subluxation
- Pain
- Tone- hypo, hyper and spasticity and splinting rationale.

Day 2 (9.15 start)

- Critical review of different neuro-rehabilitation approaches
- Principles of assessment – how to carry out an Ax of the UL
- Practical assessment session with neuro clients
- Evaluating assessment session outcomes and identifying impairments from the practical session and treatment options
- Treatment principles

Day 3 (9.00 start)

- Stages of recovery.
- How to promote neuroplasticity in upper limb rehab
- Embracing technology – FES, robotics, Apps and VRT linking to Upper limb rehab
- Sensory rehabilitation
- Practical sessions following up from day 2 to trial treatment techniques
- GRASP program and assessment tools
- Case studies
- 4.00 Evaluation and close

All Therapeutic solutions courses come with an extensive resource manual. **Enquires and registration please** see www.therapeuticsolutions.co.nz or contact Sarah Mather on 03 337 2092, 0212 641 367 sarah@therapeuticsolutions.co.nz Alternatively fill in the enrolment form overleaf and email back.