



Presents

## **Rehabilitation of the Neurological Upper Limb**

**Course Objectives:** This 2 day course has been developed to promote the 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.

### **Day1**

- 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
- Splinting

### **Day 2**

- Critical review of different neuro-rehabilitation approaches
- Principles of assessment – how to carry out an Ax of the UL
- Practical assessment session with clients
- Development of problem list from clients
- Treatment principles
- Stages of recovery
- Case studies
- Neuroplasticity & rehabilitation

This course comes with an extensive resource manual.