



Category: Clinical Application of Technology, Upper Limb

Workshop Title: How Advancing Technologies Complement Clinical Practice in Specialist Residential Rehabilitation; An Exploration of Practical Application and Protocol Development

Workshop Organizer(s): Lucy Wright

In person Speaker(s):

- Lucy Wright
- Lucy Greensmith
- Kostas Falidas
- Colette Shaw
- Toria Chan

Workshop Time: 13:45 - 15:15

Attendee Engagement:

Hands on time with technology, discussion rounds and break out groups

Abstract:

With access to a range of advancing technologies STEPS has been able to test and develop usage protocols for a variety of these and make recommendations based on the evidence from different client groups eg: Polytrauma including Traumatic Brain Injury, Spinal Cord Injury and traumatic amputation.

This workshop will be an opportunity to discuss the factors considered when developing a protocol, explore the protocols already being used and their suitability at varying stages of rehabilitation. Considering other treatments taking place and how the technology (and protocol) can be used in combination with conventional therapies in a clinical setting.

The workshop will be divided into small groups in which a variety of technology, including exoskeletons (lower and upper limb), myoelectric controlled bionic hand and VR technology can be experienced. Experts from some of the technology providers (including Fourier, Mindmaze and Ossur) will be available to join the discussion groups. Protocols being used at STEPS and any data/evidence already collected will be presented and discussion around these will be encouraged.

To finish, a whole group interactive discussion will take place exploring how these different protocols can be used in combination with a client's ongoing therapy program to achieve the optimal outcome for each client.