

2<sup>nd</sup> International Conference on

# Neurological Disorders and Stroke

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## Using advanced technology to maximize patient outcomes in stroke rehabilitation

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In recent years there has been a huge increase in the number of advanced technologies in the market aiming to maximize patient outcomes in neurological rehabilitation. Scientific evidence as well as public demand is also increasing. This presentation will look at the existing evidence on the use of technology in stroke rehabilitation and how this can be integrated into practice to maximize intensity and recovery. It will also use clinical examples and experience to illustrate how these devices can be integrated into the rehabilitation pathway. Examples used will include various devices such as the Erigo, Lokomat, Armeo, Indego Exoskelton and various upper and lower limb FES devices.

### Biography

Tamsin Reed qualified as a Physiotherapist at Nottingham University in 2001. Following a few years working in the public sector and deciding to specialize in Neurological Rehabilitation, she started working at the Wellington Hospital in London, on the Neurological Rehabilitation Unit. She completed a Masters in Neurological Rehabilitation and developed a keen interest in the use of Functional electrical stimulation and robotics in Neurological Rehabilitation. She has presented on this topic at the ISPRM in Berlin and in Qatar and had posters accepted at various other international conferences. She is chair of the WFNR special interest group on the "Use of Advanced Technologies in Neurological Rehabilitation".

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