

Scientific/Educational Workshop

Workshop information

Workshop responsible:

Paul Taylor

Workshop title :

Future Directions for Functional Electrical Stimulation and Foot Drop

Workshop goals :

The workshop will aim to achieve a number of different goals under the following headings:

1. Summarise the latest and key evidence including biomechanical data
2. Identify gaps in the evidence
3. Encourage dialogue which may lead to development of novel solutions and potential future collaborations

Abstract :

Functional electrical stimulation (FES) of the peroneal nerve has become a standard treatment for the correction of dropped foot following stroke, multiple sclerosis (MS) and other neurological conditions. However questions still remain regarding its effectiveness in comparison with other orthotic interventions and the best clinical pathway for its provision. In recent years there has been a significant increase in work in this area with several large clinical trials and case series being published. This workshop will review the latest evidence for the technique including biomechanical studies that explore the effect on gait. Gaps in the evidence will be identified and a consensus drawn on the most likely directions for future research. This workshop aims to provide researchers from different backgrounds to come together and develop novel solutions with the potential to develop future collaborations.

The workshop, hosted by the International FES Society United Kingdom and Ireland chapter will be delivered through a series of expert lectures, masterclass in clinical practice and debate. We aim for a lively discourse, presenting the state of the art of gait assistance and training using FES for people with neurological conditions and providing a vision of how the field can be progressed in to the future.

Confirmed Speakers:

Paul Taylor
Ian Swain
Christine Singleton
Tamsyn Street
Sarah Joiner