Upper Limb FES Training Course

OML | Leading FES Rehabilitation

This course is intended to enable participants to assess and treat patients for Functional Electrical Stimulation (FES) applied to the upper limb. The course includes a 2-month loan of a Microstim 2V2 device.

Who is this course aimed at?

Clinicians wanting to:

- Add FES upper limb treatment to their practice
- Have the ability to assess patients and refer to a FES treatment Centre
- To learn more about FES as part of neuro rehabilitation

Course Duration

- Face to face: 1 day
- Online: Approximately 8 hours of study – to be completed within 2 months of starting the course, with additional support via email and a live webinar

Why OML FES devices:

- Accuracy of electrode placement – more precision with the ability to target nerves to treat more complex cases
- Flexibility of muscle group treatment – aids gait retraining and muscle conditioning
- Discreet fitting – no limitation on clothing which can be worn
- Supported by extensive clinical research and guidelines

Course outcomes:

- Understand the physiological basis for using FES in the upper limb
- Be familiar with the anatomy of the upper limb and motor point location
- Appreciate the effects of using FES in upper limb treatments
- Learn how to select patients for upper limb FES treatment, along with the contraindications and safety precautions for using FES
- Know the range of electrode positions used in upper limb treatments
- Be familiar with the available stimulation parameters and modes in the Microstim 2V2 stimulator
- Practise in setting up the Microstim 2V2 on a patient*
- Be able to set up and use the Microstim 2V2 stimulator for a variety of exercise and treatment applications at the hand, wrist, elbow, shoulder and shoulder girdle
- Possess an overview of the clinical research evidence for using FES in upper limb treatments
- Have a knowledge of outcome measures used to assess the effect of FES in the upper limb
- Gain the knowledge of clinical pathways and protocols

*Not applicable for online course

Our trainers

Our courses are written and presented by experienced FES (Functional Electrical Stimulation) clinicians and FES researchers who are working in FES clinics. The course brings together over 30 years of direct patient experience.

OML's clinical experience ranges from adults to children across a variety of conditions using FES to aid walking, improve upper limb function and strengthen muscles by exercising with the FES device.

The team is led by Paul Taylor, co-founder of OML and its Clinical Director. He is a Biomedical Engineer and leads the FES research and clinical team at the National Clinical FES Centre in Salisbury. He is a researcher for National Institute for Health Research and a visiting professor at the Faculty of Health and Social Sciences, Bournemouth University and Consultant Clinical Scientist at Salisbury NHS Foundation Trust. Paul developed the original range of OML FES devices and assessed their use in a series of clinical trials for people with stroke, MS, spinal cord injury and Parkinson's disease.

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