

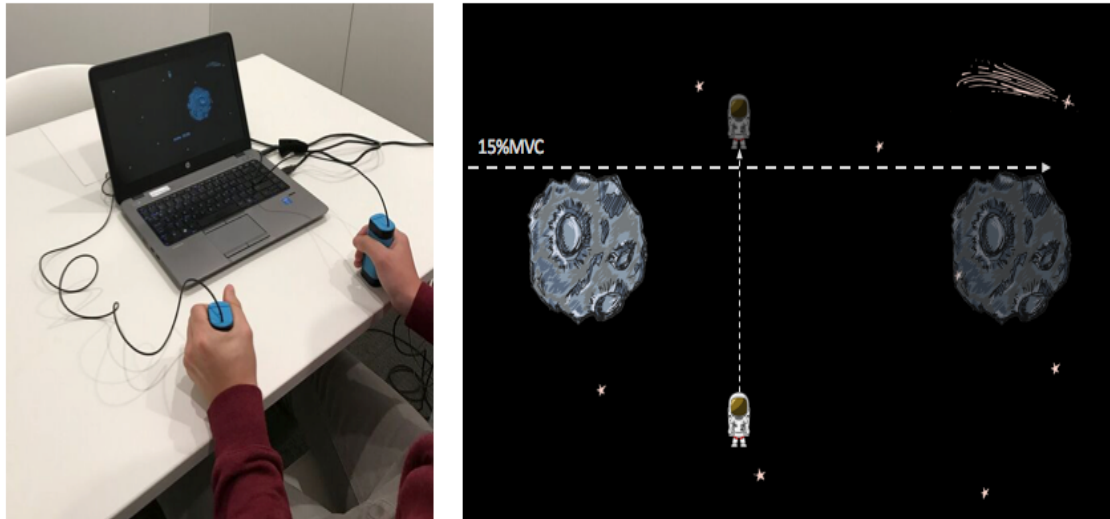


Fig. 1: The Grip Force Tracking Device (GrIFT): a low-cost portable system to quantitatively assess MM during repetitive unimanual squeezing whilst playing a computer game, adjusted to the participant's maximum voluntary contraction per hand (MVC).

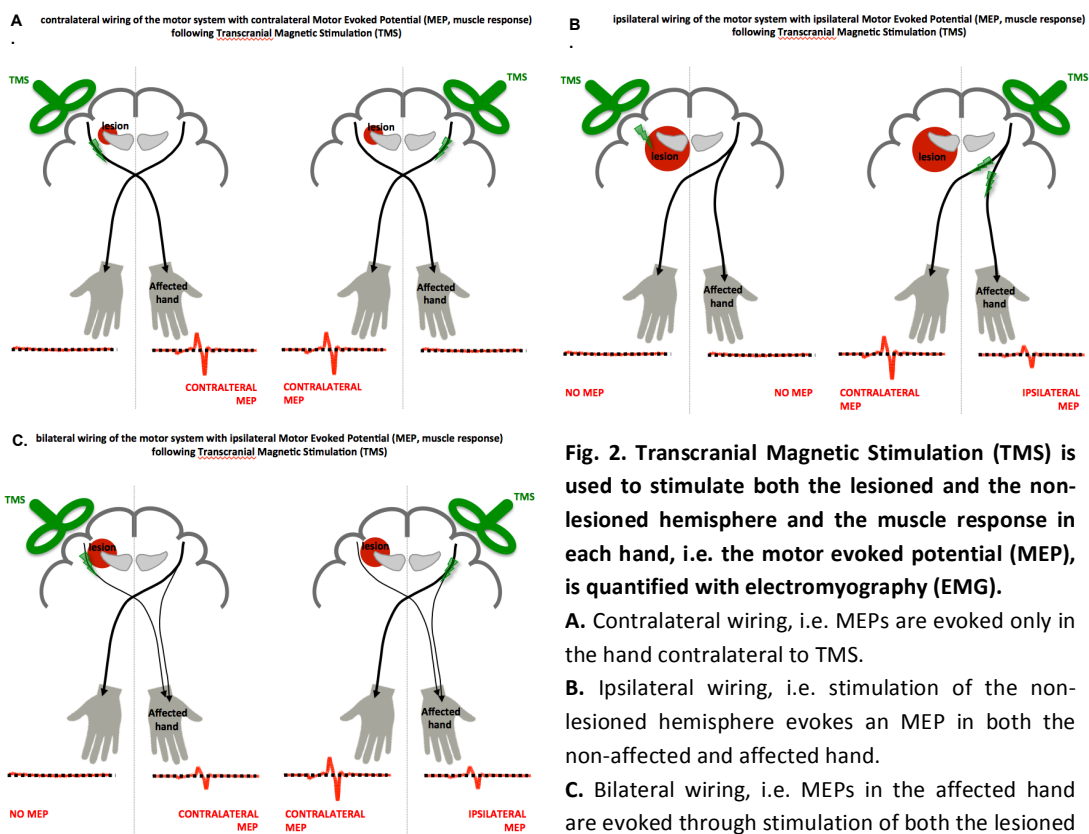


Fig. 2. Transcranial Magnetic Stimulation (TMS) is used to stimulate both the lesioned and the non-lesioned hemisphere and the muscle response in each hand, i.e. the motor evoked potential (MEP), is quantified with electromyography (EMG).

A. Contralateral wiring, i.e. MEPs are evoked only in the hand contralateral to TMS.

B. Ipsilateral wiring, i.e. stimulation of the non-lesioned hemisphere evokes an MEP in both the non-affected and affected hand.

C. Bilateral wiring, i.e. MEPs in the affected hand are evoked through stimulation of both the lesioned and non-lesioned hemisphere.