**MOvement Control After Stroke (MOCAS) Research Study**

**(UCL/UCLH Project R&D Ref: 17/0209; IRAS ID: 222832; REC Ref: 17/LO/1466)**

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Your stroke has caused lasting damage to the part of your brain that controls movement in your arm, so it no longer works properly. People who come on the Queen Square Upper Limb (QSUL) rehabilitation programme months to years after their stroke happened, improve on clinical scores of motor impairment and arm function measured at admission and discharge and keep these gains after the programme has ended.

This study examines the mechanisms that underlie these changes at the level of motor control systems, because understanding how these changes occur is key to developing and optimising stroke rehabilitation.

**Taking part in the MOCAS study means:**

* You will come to the motor control testing laboratory at Queen Square for **two testing sessions** with a research doctor, **three weeks apart**.
* The research doctor will:



1. Explain the MOCAS Study to you in detail and answer any questions you have
2. Accurately measure and assess your ability to move and control your weak arm using a special robotic arm. The robotic arm supports the weight of your arm and allows you to make frictionless movements as you perform a simple reaching task
3. Measure the size, muscle strength and range of motion of your arms
4. Quickly assess your levels of tiredness and energy during the session

**THE ROBOTIC ARM**

* The first testing session will last no longer than 60 min in total; the second testing session will last approx. 45min. Sessions will be arranged at a time that is most convenient for you.
* The information we gain from your participation in this research project will increase our knowledge of how people continue to recover from a stroke in later months and years and guide the future expansion and development of rehabilitation services for all stroke survivors.

Please contact Dr Angelo (Ang) Dawson to take part and for further information:

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Thank you very much for your interest!