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Title: "Post stroke cognitive recovery" Fecha: 27 de Mayo. 12:30h Lugar: Sala de Conferencias 2, CIMCYC

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Title: **"Post stroke cognitive recovery"**

Abstract: Up to 70% of stroke patients experience measurable cognitive impairment, with more than half losing their independence. However the recovery trajectory of individual post-stroke is not fully understood. The proportional recovery rule advocated primarily for motor impairment, suggests that a patient is likely to recover 70% of their lost abilities within three months post-stroke. However this rule is argued to be based on flawed statistics. Analysis of 380 stroke patients, suggested cognitive abilities at all domains, improve 9 months following stroke. At the group level patients recover 40 – 70% of their loss abilities, largest recovery is seen in praxis and smallest in number and language abilities. However not all individual follow this pattern. 8% of the individual showed accelerated recovery; while 10% showed decelerated recovery. The sources for outliers recovery trajectories are unclear and appeared to be based on individual features. Two potential factors affecting recovery will be described: 1) Data from China and the UK suggests that years in education lead to better outcome following stroke as well as accelerated recovery. 2) Pre-clinical dementia symptoms (manifested as hippocampal pathology) may contribute to cognitive outcomes independent of stroke.

