



Brain Repair After Stroke

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What is brain repair?


- Stem cells
- Growth factors
- Small molecules
- Electromagnetic stimulation
- Intensive physiotherapy



Robot-Assisted Therapy for Long-Term Upper-Limb Impairment after Stroke.

Lo et al.

- Study Hypothesis:
robotic therapy when compared with intensive comparison therapy or usual care would lead to greater improvements...

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- 127 patients with moderate-severe upper limb impairment 6 months or more after stroke.
 - 3 types of treatments:
 - intensive robot-assisted therapy
 - intensive comparison therapy
 - usual care
 - Therapy consisted of 36 1-hour sessions over a period of 12 weeks.

No significant differences in the change in the Fugl Meyer score were seen.

Robotic therapy



Take home message..

- The adult brain has the capacity for clinically relevant plasticity even in the chronic phase after a stroke .