

OBTAIN - Impact of combined action observation and motor imagery on lower limb reflex behavior and EEG parameters after stroke compared to age-matched healthy controls - A cross-sectional study

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Short summary: Action observation is considered helpful as an adjunctive therapy in the rehabilitation of stroke patients to improve measures of gait. In healthy subjects, it has been shown that observing another person walking results in a mental representation of the observed gait and a characteristic concurrent reproduction in lower limb EMG recordings. The question aroused whether the perception of walking has the same instantaneous effect in patients after a stroke compared to healthy, unaffected subjects.