Ginkgo biloba extract EGb 761® Improves cognition and overall condition after ischemic stroke: Results from a pilot randomized trial

TYPE Clinical Trial
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Cui et al., Frontiers Pharmacol. 2023

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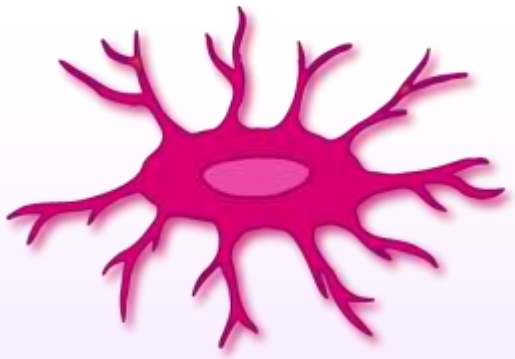
EGb 761®

The use of EGb 761® to alleviate post-stroke symptoms is plausible





Has potent anti-oxidative properties



Anti-Inflammatory, and immune-modulatory



In preclinical ischemia model, reduction in infarct volume, protection of grey and white matter, improvement of cerebral perfusion, axonal remodeling, behavioral recovery

Rat photo by Aleksandr Gusev auf Unsplash

EGb 761® expedites recovery from ischemic stroke that occurred 7-14 d earlier

201 ischemic stroke patients recruited in 7 Chinese Centers

Standard Therapy

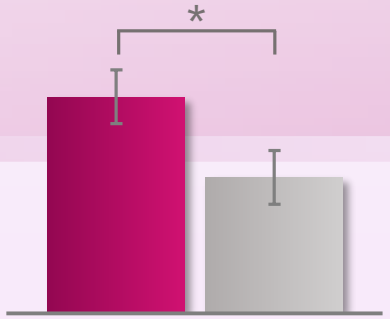
+

240 mg EGb 761®
24 weeks

Standard Therapy
24 weeks

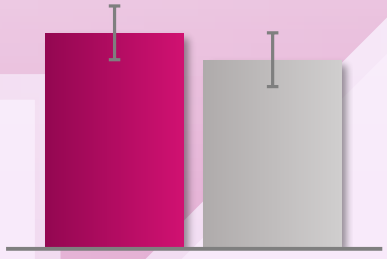
Significant better improvement in EGb 761® group

EGb 761® well tolerated
MoCA; MoCA sub-scores (delayed recall; orientation; language); **H**opkins **V**erbal **L**earning **T**est; Shape trail test clinicians' glob. ratings (CGI-C)



No significant difference

Shape Trail Test Trail 2Verbal Fluency Test; Digit Symbol Substitution Test of the Wechsler Adult Intelligence Scale-Revised, or the **H**ospital **A**nxiety and **D**epression scale, and the neuropsychiatric index



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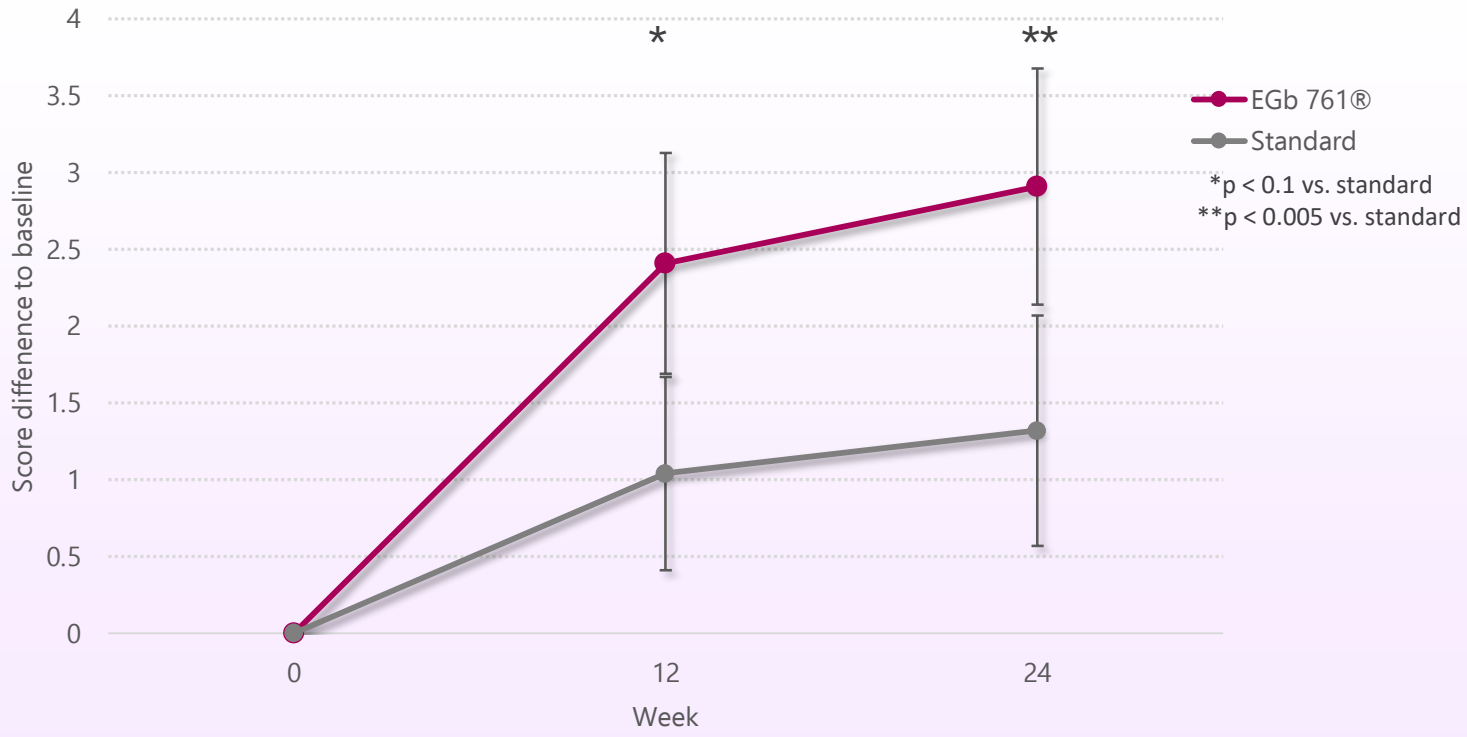
EGb 761® expedites recovery of cognitive function after ischemic stroke

Improvement in MoCA Score



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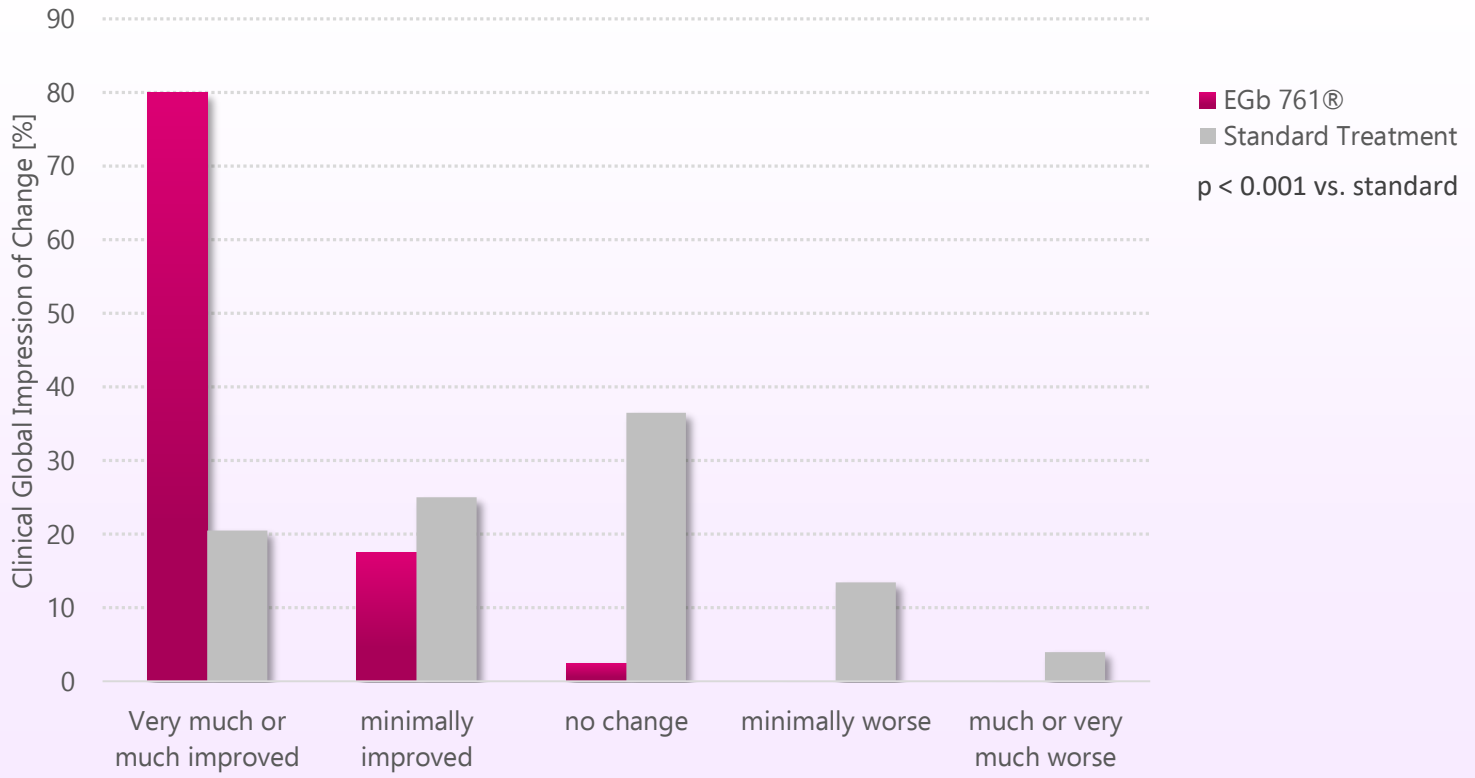
EGb 761® expedites recovery of clinical status after ischemic stroke

Clinical Global Impression of Change (CGI-C) at 24 weeks



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Summary

- **This RCT confirmed the efficacy of EGb 761® in alleviating cognitive symptoms of vascular etiology**
- **It is consistent with the known EGb 761® mode of action, including the enhancement of microcirculation and neuroplasticity, and anti-oxidant properties**

Cui et al., Frontiers Pharmacol. 2023

EGb 761®