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Name of Journal: *World Journal of Stem cells*

Manuscript NO: 54803

Manuscript Type: BASIC STUDY

Basic Study

Acupuncture accelerates neural regeneration and synaptophysin production after neural stem cells transplantation in mice

Zhao L *et al.* Acupuncture accelerates NSCs regeneration

Abstract

BACKGROUND

Synaptophysin plays a key role in synaptic development and synaptic plasticity of neurons and is closely related to the cognitive process of Alzheimer's disease (AD) patients. Exogenous neural stem cells (NSCs) improve the damaged nerve

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www.nrronline.org/article.asp?issn=1673-5374;year=2018;volume=13;issue=3;spage=541;...

Combined **acupuncture** and **HuangDiSan treatment** affects behavior and **synaptophysin levels** in the **hippocampus of senescence-accelerated mouse prone 8 after neural stem cell transplantation**. **Neural Regen Res** [serial online] 2018 [cited 2020 Jul 16];13:541-8.

Cited by: 1**Author:** Chun-lei Zhou, Lan Zhao, Hui-yan Shi, ...**Publish Year:** 2018

Acupuncture and neuroregeneration in ischemic stroke

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5950656>

Acupuncture is potentially beneficial for post-stroke rehabilitation and is considered a promising preventive strategy for stroke. Electroacupuncture pretreatment or treatment **after** ischemic stroke by using appropriate electroacupuncture parameters generates neuroprotective and neuroregenerative effects that increase cerebral blood flow, regulate oxidative stress, attenuate ...

Cited by: 4**Author:** Qwang Yuen Chang, Yi Wen Lin, Ching-...**Publish Year:** 2018

Acupuncture Stimulation Induces Neurogenesis in Adult ...

<https://www.sciencedirect.com/science/article/pii/B9780124115453000043>

Jan 01, 2013 · **Acupuncture** has been found to be beneficial to enhance cell proliferation and **neural** differentiation in a healthy animal ().ST36 and GV20 of EA and **acupuncture** stimulation was reported to promote adult neurogenesis and the effect of EA was greater than that of manual **acupuncture** (Hwang et al., 2010a, Hwang et al., 2010b).A paper analyzed the potential ...

Cited by: 15**Author:** Min-Ho Nam, Kwang Seok Ahn, Seung-...**Publish Year:** 2013

(PDF) Combined acupuncture and HuangDiSan treatment ...

https://www.researchgate.net/publication/324241191_Combined_acupuncture_and



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www.nrronline.org/article.asp?issn=1673-5374;year=...

Our results demonstrated that compared with **mice undergoing neural stem cell transplantation** alone, learning ability was significantly improved and **synaptophysin mRNA** and **protein levels** were greatly increased in the **hippocampus of mice** undergoing both **Sanjiao acupuncture** and **intragastric administration of HuangDiSan**.

Cited by: 1

Author: Chun-lei Zhou, Lan Zhao, Hui-yan Shi, Jian-...

Publish Year: 2018

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Mar 01, 2018 · Combined **acupuncture** and **HuangDiSan treatment** affects behavior and **synaptophysin levels in the hippocampus of senescence-accelerated mouse prone 8 after neural stem cell transplantation**.

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Author: Chun-lei Zhou, Lan Zhao, Hui-yan Shi, Jian-...

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Acupuncture and neuroregeneration in ischemic stroke Chang ...

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