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<https://pubmed.ncbi.nlm.nih.gov/21939558>

Introduction: **Stem cell transplantation** is a promising therapeutic strategy for the **treatment of stroke**. **Mesenchymal stem cells (MSCs)** are a potential cell source for clinical application because they can be easily obtained and cultivated with a high proliferative capacity.

Cited by: 140 **Author:** Jung Yeon Lim, Chang Hyun Jeong, Jin Ae ...

Publish Year: 2011

Evaluate the Safety and Explore Efficacy of Umbilical Cord ...

<https://www.clinicaltrials.gov/ct2/show/NCT04434768> ▾

Jun 17, 2020 · This study is a first-in-human assessment of safety of using **umbilical cord mesenchymal stem cells (UCMSCs)** in patients with **Acute Ischemic Stroke** via a combination of **intra arterial (IA)** and **intravenous (IV) stem cell administration**. The novelty of the current **UMSC01 treatment study** is the dual route of administration.

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Author: Marcin Majka, Maciej Bułkowski, Bogna ... Publish Year: 2018

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May 19, 2019 - Liu, A. M. et al. Umbilical cord-derived mesenchymal stem cells with forced expression of hepatocyte growth factor enhance remyelination and functional ...

Cited by: 15 Author: Marion T. Turnbull, Abbas C. Zubair, James F. ... Publish Year: 2019

Wharton's Jelly-Derived Mesenchymal Stem Cell ...

<https://journals.sagepub.com/doi/10.1177/0963689718786692>

Sep 11, 2018 - In addition, preclinical studies suggested that combined treatment with hypothermia and human umbilical cord blood-derived mesenchymal stem cells (UCB-MSCs) transplantation might be a

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Intracerebral Hemorrhage (Medical Condition)

An emergency condition in which a blood vessel in the brain ruptures and causes bleeding inside the brain. This causes severe headache, tingling, ...

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Manuscript NO: 67819

Manuscript Type: CASE REPORT

Treatment of acute ischemic stroke by minimally manipulated umbilical cord-derived mesenchymal stem cells transplantation: A Case Report

Ahn H *et al.* MSCs treatment of acute ischemic stroke

Hyunjun Ahn, Sang Yeon Lee, Won-Ju Jung, Kye-Ho Lee

Abstract

BACKGROUND

Stroke is one of the major causes of disability and death worldwide. Some treatments for stroke exist, but existing treatment methods have limitations such as difficulty in the regeneration of damaged neuronal cells of the brain. Recently, mesenchymal stem cells (MSCs) have been studied as a therapeutic alternative for stroke, and various preclinical and case studies have been reported.

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Author: Giorgio Battista Boncoraglio, Anna Bersa...

Publish Year: 2010

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Author: Marion T. Turnbull, Abba C. Zubair, James...

Publish Year: 2019

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In the present study, we examined the neuroprotective effects and mechanisms of implanted human umbilical cord-derived mesenchymal stem cells (hUC-MSCs) in ischemic stroke...

[Placenta-Derived Cells for Acute Brain Injury](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6434489>

Mar 22, 2018 · The Rationale for Using Placenta-Derived Cells for Acute Brain Injury. Acute brain injury.