

Name of Journal: *World Journal of Stem Cells*

Manuscript NO: 58549

Manuscript Type: ORIGINAL ARTICLE

Basic Study

Prior Transfusion of Umbilical Cord Mesenchymal Stem Cells Can Effectively Alleviate Symptoms of Motion Sickness in Mice Through IL-10 Secretion

UC-MSCs to alleviate motion sickness.

Abstract

BACKGROUND

Motion sickness (MS) is a disease that occurs during unbalanced movement, characterized by gastrointestinal symptoms and autonomic nervous system activation. Current clinical treatments for MS are limited. Recent evidence indicates that the level of pro-inflammatory cytokines increases during MS and is associated with an inner ear immune imbalance. In the present study, mesenchymal stem cells (MSCs) have been

Match Overview

1	Internet 29 words crawled on 22-Jul-2020 www.hindawi.com	1%
2	Internet 25 words crawled on 18-Oct-2020 worldwidescience.org	<1%
3	Internet 24 words crawled on 29-Oct-2020 www.spandidos-publications.com	<1%
4	Internet 23 words crawled on 08-Jul-2020 journals.plos.org	<1%
5	Internet 16 words crawled on 19-Aug-2020 researchonline.jcu.edu.au	<1%
6	Internet 12 words crawled on 21-Jul-2020 www.fightaging.org	<1%
7	Internet 12 words crawled on 07-Aug-2020 pesquisa.bvsalud.org	<1%



ALL

IMAGES

VIDEOS

57,000 Results

Any time ▾

(PDF) Infusion of umbilical cord mesenchymal stem cells ...

https://www.researchgate.net/publication/317960894_Infusion_of_umbilical_cord...

Infusion of **umbilical cord mesenchymal stem cells** alleviates **symptoms** of ankylosing spondylitis
Article (PDF Available) in Experimental and therapeutic medicine 14(2) · June 2017 with 66 Reads

HGF Mediates Clinical-Grade Human Umbilical Cord-Derived ...

<https://www.onlinelibrary.wiley.com/doi/10.1002/advs.201903809>

Compared to the above **stem cells**, **umbilical cord-derived mesenchymal stem cells** (hUC-MSCs) maintain an earlier embryologic phase, are much younger, have a higher yield without ethical issues and invasive procedures, and **can** secrete a wide range of multifunctional factors; more importantly, only hUC-MSCs **can** meet all these advantages at ...

Author: Yali Jia, Ning Cao, Jinglei Zhai, Quan... **Publish Year:** 2020

Mesenchymal Stem Cells for Cartilage Regeneration of TMJ ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5662817>

Mesenchymal stem cells (MSCs), derived from the bone marrow, synovium, and even **umbilical cord**, play a role as seed **cells** for the cartilage regeneration of TMJ OA. MSCs possess multilineage differentiation potential, including chondrogenic differentiation as well as osteogenic differentiation.

Cited by: 14 **Author:** Dixin Cui, Hongyu Li, Xin Xu, Ling Ye, X...

Publish Year: 2017

Frontiers | The Use of Human Mesenchymal Stem Cells as ...

<https://www.frontiersin.org/articles/10.3389/fimmu.2018.02056> ▾

Background: One of the greatest challenges for medicine is to find a safe and effective treatment for immune-related diseases. However, due to the low efficacy of the treatment available and the occurrence of serious adverse effects, many groups are currently searching for alternatives to the traditional therapy. In this regard, the use of human **mesenchymal stem cells** (hMSCs) ...

Cited by: 21 **Author:** Alessandro Leyendecker, Carla Cristina ...

Publish Year: 2018



ALL

IMAGES

VIDEOS

57,200 Results

Any time ▾

(PDF) Infusion of umbilical cord mesenchymal stem cells ...

https://www.researchgate.net/publication/317960894_Infusion_of_umbilical_cord...

Infusion of **umbilical cord mesenchymal stem cells** alleviates **symptoms** of ankylosing spondylitis Article (PDF Available) in Experimental and therapeutic medicine 14(2) · June 2017 with 66 Reads

HGF Mediates Clinical-Grade Human Umbilical Cord-Derived ...

<https://www.onlinelibrary.wiley.com/doi/10.1002/adv.201903809>

Compared to the above **stem cells**, **umbilical cord**-derived **mesenchymal stem cells** (hUC-MSCs) maintain an earlier embryologic phase, are much younger, have a higher yield without ethical issues and invasive procedures, and **can** secrete a wide range of multifunctional factors; more importantly, only hUC-MSCs **can** meet all these advantages at ...

Author: Yali Jia, Ning Cao, Jinglei Zhai, Quan Ze... **Publish Year:** 2020

Frontiers | The Use of Human Mesenchymal Stem Cells as ...

<https://www.frontiersin.org/articles/10.3389/fimmu.2018.02056> ▾

Background: One of the greatest challenges for medicine is to find a safe and effective treatment for immune-related diseases. However, due to the low efficacy of the treatment available and the occurrence of serious adverse effects, many groups are currently searching for alternatives to the traditional therapy. In this regard, the use of human **mesenchymal stem cells** (hMSCs) represents a ...

Cited by: 24 **Author:** Alessandro Leyendecker, Carla Cristina Go...

Publish Year: 2018

(PDF) Preconditioning of umbilical cord-derived ...

<https://www.researchgate.net/publication/329559835...>

Objectives **Transfusion of umbilical cord**-derived **mesenchymal stem cells** (UC-MSCs) is a novel strategy

[ALL](#)[IMAGES](#)[VIDEOS](#)[MAPS](#)[NEWS](#)[SHOPPING](#)

59,300 Results

Any time ▾

[\(PDF\) Infusion of umbilical cord mesenchymal stem cells ...](#)

https://www.researchgate.net/publication/317960894_Infusion_of_umbilical_cord...

Patients received intravenous transfusions of **umbilical cord mesenchymal stem cells** (uMSCs). ... i
nhibiting TNF- α may **alleviate** the **symptoms** of AS (8- 10). ... at least 4 weeks **prior** to ...

[Mesenchymal Stem/Progenitor Cells: The Prospect of Human ...](#)

<https://www.hindawi.com/journals/sci/2020/8837654> ▾

(i) Isolation and culture of **stem cells** from the **umbilical cord** are difficult (ii) Private banking is expensive and lacks strict regulations (iii) Lifelong storage is still unstudied . **Umbilical cord** blood MSCs: **Cord** blood is isolated **prior** to or immediately after delivery. It contains MSCs : CD29, CD44, CD73, CD90, CD105, and CD166 [564, 565]

Author: Dina Rady, Marwa M. S. Abbass, Aiah A.... **Publish Year:** 2020

[\(PDF\) Preconditioning of umbilical cord-derived ...](#)

<https://www.researchgate.net/publication/329559835...>

Objectives **Transfusion of umbilical cord-derived mesenchymal stem cells** (UC-MSCs) is a novel strategy for treatment of various liver diseases.

[Mesenchymal Stem Cells for Cartilage Regeneration of TMJ ...](#)

<https://www.hindawi.com/journals/sci/2017/5979741> ▾

Mesenchymal stem cells (MSCs), derived from the bone marrow, synovium, and even **umbilical cord**, play a role as seed **cells** for the cartilage regeneration of TMJ OA. MSCs possess multilineage differentiation potential, including chondrogenic differentiation as well as osteogenic differentiation.

Cited by: 14 **Author:** Dixin Cui, Hongyu Li, Xin Xu, Ling Ye, Xuedo...

Publish Year: 2017

[Frontiers | The Use of Human Mesenchymal Stem Cells as ...](#)

<https://www.frontiersin.org/articles/10.3389/fimmu.2018.02056> ▾

Background: One of the greatest challenges for medicine is to find a safe and effective treatment for immune-related diseases. However, due to the low efficacy of the treatment available and the occurrence of serious adverse effects, many groups are currently searching for alternatives to the traditional therapy.