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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

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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...

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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 ...

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

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

Publish Year: 2018

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

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

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

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(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.

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