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Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 50735

Manuscript Type: ORIGINAL ARTICLE

Basic Study

The therapeutic potential of menstrual blood stem cells treating acute liver failure

Cen PP *et al.* Efficacy of Menstrual Blood Stem Cells

Pan-Pan Cen, Lin-Xiao Fan, Jie Wang, Jia-Jia Chen, Lan-Juan Li

Abstract



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Concise Review: Therapeutic Potential of Mesenchymal Stem ...

onlinelibrary.wiley.com/doi/10.1002/stem.1818/abstract

Oct 14, 2014 · In this concise review, we have summarized **therapeutic potential** of MSCs in the **treatment of acute liver failure** and cirrhosis, emphasizing their regenerative and immunomodulatory characteristics after engraftment in the **liver**.

Published in: **Stem Cells** · 2014

Authors: [Vladislav Volarevic](#) · [Jasmin Nurkovic](#) · [Nebojsa Arsenijevic](#) · [Miodrag Stojkovic](#)

About: [Cirrhosis](#) · [Mesenchymal stem cell](#)

Exosomes derived from human menstrual blood-derived ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5260032>

Jan 23, 2017 · Human **menstrual blood-derived stem cells** (MenSCs) are a novel source of MSCs that provide the advantage of being easy to collect and isolate. Exosomes contain some mRNAs and adhesion molecules that can potentially impact cellular and animal physiology. This study aimed to investigate **the therapeutic** ...

Cited by: 52

Author: [Lu Chen](#), [Bingyu Xiang](#), [Xiaojun Wang](#), C...

Publish Year: 2017

Progress in mesenchymal stem cell-based therapy for acute ...

<https://stemcellres.biomedcentral.com/articles/10.1186/s13287-018-0972-4> ▼

Aug 24, 2018 · The aims of this article are to review the current knowledge regarding **therapeutic** mechanisms of mesenchymal **stem cells** in **acute liver failure**, to discuss recent advancements in preclinical and clinical studies in the **treatment** of mesenchymal **stem cells**, and to summarize the methodological improvement of mesenchymal **stem cell** transplantation in ...



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The therapeutic potential of menstrual blood stem cells treati



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Concise Review: Therapeutic Potential of Mesenchymal Stem ...

onlinelibrary.wiley.com/doi/10.1002/stem.1818/abstract

Oct 14, 2014 · Currently, the most effective therapy for acute liver **failure and advanced cirrhosis** is **liver transplantation**. However, this procedure has several limitations, including **lack of donors, surgical complications, immunological suppression**, and high medical costs.

Published in: **Stem Cells** · 2014

Authors: **Vladislav Volarevic · Jasmin Nurkovic · Nebojsa Arsenijevic · Miodrag Stojkovic**

About: **Mesenchymal stem cell · Cirrhosis**

Progress in mesenchymal stem cell-based therapy for acute ...

<https://stemcellres.biomedcentral.com/articles/10.1186/s13287-018-0972-4> ▾

Aug 24, 2018 · The only **curative treatment for acute liver failure** is **liver transplantation**, but there are many restrictions on the **application of liver transplantation**. In recent years, a growing number of studies have shown that **stem cells** can effectively **treat acute liver failure**.

Cited by: 7

Author: **Yong-Hong Wang, Dong-Bo Wu, Bing Chen, ...**

Publish Year: 2018

Author: **Yong-Hong Wang**

Comparative restoration of acute liver failure by ...

<https://www.sciencedirect.com/science/article/pii/S1465324917306965>

The **in vitro induction of stem cells** into **hepatocyte-progenitor cells** could improve regeneration of the acute liver failure. The greater suppression of inflammatory markers post transplantation of MenSCs compared to BMSCs narrates more-immunomodulatory properties of MenSCs.

Cited by: 5

Author: **Mina Fathi-Kazerooni, Gholamreza Tavoosi...**

Publish Year: 2017

Comparative restoration of acute liver failure by ...

https://www.researchgate.net/publication/320921893_Comparative_restoration_of_acute...

Background aims: The **application of menstrual blood stem cells (MenSCs)** in **regenerative medicine** is gaining increasing attention. The aim of this study was to **investigate the therapeutic potential...**

Menstrual Blood Stem Cell Transplantation in Mice Model of ...

www.ajmb.org/Article?id=10391 ▾

Background: There exists a dramatic rise in **liver failure** and numerous patients un-dergo **liver transplant** for life-saving reasons annually. Introducing alternatives to allograft transplantation is necessary due to present limitations. Recently, a noninvasive **stem cell** population from **Menstrual blood-derived Stem Cells (MenSCs)** has been identified.