



Tonsil-derived stem cells as a new source of adult stem cells



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<https://www.acs.org/content/acs/en/pressroom/presspacs/2014/acs...> ▾

Tonsil stem cells could someday help repair liver damage without surgery. Recently, scientists identified another source of adult stem cells that could be used for this purpose — tonsils. Every year, thousands of surgeries are performed to remove tonsils, and the tissue is ...

Tonsil Stem Cells Could Help Repair Liver Damage Without ...

<https://www.sciencealert.com/tonsil-stem-cells-could-help-repair...> ▾

Recently, researchers have realised that there's another useful **source of adult stem cells** - tonsils. Although tonsils can help the body avoid infection, they're a body part that we don't really need, making them a perfect candidate to harvest **adult stem cells** from.

Tonsil-derived Mesenchymal Stem Cells Ameliorate CCl4 ...

[www.nature.com](http://www.nature.com/scientific-reports) > scientific reports

Abstract. We used human **palatine** tonsil as a novel source of **mesenchymal** stem cells (T-MSCs) and examined their ability to differentiate into hepatocyte-like cells in vivo and in vitro. **Carbon tetrachloride** (CCI 4) **mouse** model was used to investigate the ability of T-MSCs to home to the site of liver injury.

Cited by: 41

Author: Minhwa Park, Yu-Hee Kim, So-Youn Woo...

Publish Year: 2015

Human palatine tonsil: A new potential tissue source of ...

https://www.researchgate.net/publication/23133014_Human_palatine...

In this study, we evaluated the efficacy of tonsil-derived mesenchymal **stem cells** (T-MSCs) as a novel **source** of mesenchymal **stem cells** and traced their localization in a murine model of acute ...

Human palatine tonsil: a new potential tissue source of ...

www.ncbi.nlm.nih.gov > ... > Arthritis Res Ther > v.10(4); 2008

Introduction. **Mesenchymal progenitor cells** (MPCs) are multipotent **progenitor cells** in **adult tissues**, for example, bone marrow (BM). Current challenges of clinical application of **BM-derived** MPCs include donor site morbidity and pain as well as low **cell** yields associated with an age-related decrease in **cell** number and differentiation potential,...

Cited by: 57

Author: Sasa Janjanin, Farida Djouad, Rabie M S...

Publish Year: 2008

Human palatine tonsil: a new potential tissue source of ...

<https://arthritis-research.biomedcentral.com/articles/10.1186/ar2459> ▾

Jul 28, 2008 · Tonsil-derived mesenchymal progenitor cells (T-MPCs) inhibit allogeneic as well as

Name of Journal: *World Journal of Stem Cells*

Manuscript NO: 45932

Manuscript Type: REVIEW

Tonsil-derived stem cells as a new source of adult stem cells

Cho KA *et al.* Tonsil stem cells

Kyung-Ah Cho, Hyun Jung Lee, Hansaem Jeong, Miri Kim, Soo Yeon Jung, Hae Sang Park, Kyung-Ha Ryu, Seung Jin Lee, Byeongmoon Jeong, Hyukjin Lee, Han Su Kim

Abstract

Located near the oropharynx, the tonsils are the primary mucosal immune organ.

Tonsil tissue is a promising alternative source for the high-yield isolation of adult stem

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Tonsil-derived mesenchymal stem cells alleviate ...

<https://www.sciencedirect.com/science/article/pii/S0014482714002547>

Aug 01, 2014 · **Mesenchymal stem cells (MSCs)** are defined as a heterogeneous group of cells that proliferate as **plastic-adherent cells**, form colonies in **vitro**, and can differentiate into cells of the **mesodermal lineage**, such as **fat**, **cartilage**, and bone cells , .

Cited by: 29 **Author:** Kyung-Ha Ryu, So-Yeon Kim, Ye-Ryung...

Publish Year: 2014

Adipose Tissue-Derived Stem Cells in Regenerative Medicine

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5040903>

Jul 26, 2016 · In regenerative medicine, **adult stem cells** are the most promising **cell** types for **cell**-based therapies. **As a new source** for multipotent **stem cells**, human adipose tissue has been introduced. These so called adipose tissue-derived **stem cells** (ADSCs) are considered to be ideal for application in regenerative therapies.

Cited by: 100 **Author:** Laura Frese, Pe Petra Dijkman, S Simon...

Publish Year: 2016

Tonsil-Derived Mesenchymal Stem Cells Differentiate into a ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5133867>

Tonsil-Derived Mesenchymal Stem Cells Differentiate into a Schwann **Cell** Phenotype and Promote Peripheral Nerve Regeneration Namhee Jung , 1 Saeyoung Park , 1 Yoonyoung Choi , 1 Joo-Won Park , 1 Young Bin Hong , 2 Hyun Ho Choi Park , 3 Yeonsil Yu , 4 Geon Kwak , 5 Han Su Kim , 6 Kyung-Ha Ryu , 7 Jae Kwang Kim , 8 Inho Jo , 4 Byung-Ok Choi , 9 ...

Cited by: 11 **Author:** Namhee Jung, Saeyoung Park, Yoonyou...

Publish Year: 2016

New Source of Stem Cells: Amniotic Fluid - Scientific American

<https://www.scientificamerican.com/article/new-source-of-stem-cells> ▾

Jan 07, 2007 · New Source of Stem Cells: **Amniotic Fluid**. When compared with embryonic stem cells, **AFS cells** have two main advantages: First, no embryo needs to be harmed in harvesting the cells, sidestepping a major, **hot-button political issue**. Also, as **Atala points** out, **AFS cells** will not form tumor cells, as the considerably more raw embryo-derived cells can.

Author: Nikhil Swaminathan

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