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Suitability and limitations of mesenchymal stem cells to elucidate human bone

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Mesenchymal Stem Cells Home to Sites of Injury and ...

www.ncbi.nlm.nih.gov › ... › Adv Wound Care (New Rochelle)

Ponte AL. Marais E. Gallay N. Langonne A. Delorme B. Herault O. Charbord P. Domenech J. The in vitro migration capacity of **human bone** marrow **mesenchymal stem cells**: comparison of chemokine and growth factor chemotactic activities. **Stem Cells**. 2007; 25:1737.

Cited by: 78 **Author:** Kristine C. Rustad, Geoffrey C. Gurtner
Publish Year: 2012

Bilateral Transplantation of Allogenic Adult Human Bone ...

www.ncbi.nlm.nih.gov › ... › **Stem Cells** Int › v.2012; 2012

In view of the preceding results, in this study we wanted to understand the safety and feasibility of bilateral "allogenic" bone-marrow-derived mesenchymal stem cells for PD. The rationale was to rule out bone marrow aspiration in the aging population of PD patients and the morbidity associated with it.

Cited by: 58 **Author:** N. K. Venkataramana, Rakhi Pal, Shailes...
Publish Year: 2012

Comparison of the bone regeneration ability between stem ...

https://www.sciencedirect.com/science/article/pii/S0006291X18303930

Stem cells from **human** exfoliated deciduous teeth (SHED) are a major candidate for playing a significant role in tissue engineering and regenerative medicine. The aim of this study was **to elucidate** the nature of **bone** regeneration by SHED as compared to that of **human** dental pulp **stem cells** (hDPSCs) and **bone** marrow **mesenchymal stem cells** (hBMSCs).

(PDF) VEGF expression by mesenchymal stem cells ...

https://www.researchgate.net/publication/23135732_VEGF_expression...

Little is known about the factors that enable the mobilisation of **human mesenchymal stem cells** (MSC) from the **bone** marrow into the blood stream and their recruitment to and retention in the tumour.

Treatment of Lateral Epicondylosis by Using Allogeneic ...

https://**stemcells**journals.onlinelibrary.wiley.com/doi/full/10.1002/...

Clinical use of **mesenchymal stem cells** in the **treatment** of tendinopathy has not been well studied because it may be related to the invasive procedures required to obtain **autologous stem cells**. **Allogeneic stem cells** may be an optimal **treatment** option for tendinopathy, if safety and efficacy can be conclusively demonstrated.

Cited by: 26 Author: Sang Yoon Lee, Won Kim, Chaiyoung Lim

Name of Journal: *World Journal of Stem Cells*

Manuscript NO: 46953

Manuscript Type: REVIEW

Suitability and limitations of mesenchymal stem cells to elucidate human bone illness

Izaskun Mitxitorena, Arantza Infante, Blanca Gener, Clara I Rodríguez

Abstract

Functional impairment of mesenchymal stem cells (MSCs), osteoblast progenitor

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Suitability and limitations of mesenchymal stem cells to elucidate human bone illn

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Mesenchymal Stem Cells Home to Sites of Injury and ...

https://**www.ncbi.nlm.nih.gov**/pmc/articles/PMC3623614

Mesenchymal stem cells (MSCs) have shown significant therapeutic potential in preclinical animal models of wound healing. However, the translation of MSC-based therapeutics to clinical practice has been delayed by questions including the mechanisms of MSC homing, engraftment, and ultimate function.

Cited by: 83 **Author:** Kristine C. Rustad, Geoffrey C. Gurtner
Publish Year: 2012

Mesenchymal stem cell-based therapy: a new paradigm in ...

https://**www.ncbi.nlm.nih.gov**/pmc/articles/PMC4515054

Mesenchymal stem cells and its characteristics. MSCs were first identified about 30 years ago by Friedenstein and colleagues as an adherent fibroblast-like population in the **bone** marrow capable of differentiating into **bone** [].Since then MSCs have been isolated from **human bone** marrow based on their ability to adhere to tissue culture plastic []. ...

Human gingiva-derived mesenchymal stem cells are superior ...

https://www.sciencedirect.com/science/article/pii/S0006291X10001919

Mar 12, 2010 - **Human** gingiva-derived **mesenchymal stem cells** are superior to **bone** marrow-derived **mesenchymal stem cells** for **cell** therapy in regenerative medicine Author links open overlay panel Geetanjali B. Tomar a Rupesh K. Srivastava a Navita Gupta a Amruta P. Barhanpurkar a Satish T. Pote a Hiral M. Jhaveri b Gyan C. Mishra a Mohan R. Wani a

Cited by: 243 **Author:** Geetanjali B. Tomar, Rupesh K. Srivastav...
Publish Year: 2010

Comprehensive Proteomic Analysis of Mesenchymal Stem ...

https://**stemcells**journals.onlinelibrary.wiley.com/doi/full/10.1002/**stem**.2298

Jan 19, 2016 - **Bone** marrow derived **mesenchymal stem cells** (MSCs) exhibit tissue healing capabilities via signaling to endogenous **cell** populations including immune **cells** and endothelial **cells** 5. MSCs have also shown promise as a potential therapeutic for PAD through the secretion of a robust profile of angiogenic signaling proteins, however, it remains unclear ...

Cited by: 151 **Author:** Johnathon D. Anderson, Henrik J. Johans...
Publish Year: 2016