Bone cell viability on collagen immobilized poly(3 ...

https://onlinelibrary.wiley.com/doi/full/10.1002/app.20787

Bo-Yi Yu, Po-Ya Chen, Yi-Ming Sun, Yu-Tsang Lee and Tai-Horng Young, **Effects** of the Surface Characteristics of Polyhydroxyalkanoates on the Metabolic Activities and Morphology of Human **Mesenchymal Stem Cells**, Journal of Biomaterials Science, Polymer Edition, 10.1163/156856209X410139, 21, 1, (17-36), (2010).

Cited by: 56 **Author:** Y. Tesema, D. Raghavan, J. Stubbs
Publish Year: 2004

Safety and Immunological Effects of Mesenchymal Stem Cell ...

www.ncbi.nlm.nih.gov › Journal List › HHS Author Manuscripts

Immunological effects in patients with multiple sclerosis (MS) and **amyotrophic lateral** sclerosis (ALS) injected intravenously and **intrathecally** with **mesenchymal stem cells** (MSCs). Peripheral **blood** monocytes were obtained from 12 patients (7 with MS and ...

Cited by: 762 **Author:** Dimitrios Karussis, Clementine Karageorg...
Publish Year: 2010

(PDF) The effect of poly(3-hydroxybutyrate-co-3 ...

https://www.researchgate.net/publication/259385692_**The_effect**_of...

Abstract This study is designed to evaluate the treatment **effect** of **poly**(3-hydroxybutyrate-co-3-**hydroxyhexanoate) (PHBHHx)** and human **mesenchymal stem cells** ...

Bone cell viability on collagen immobilized poly(3 ...

onlinelibrary.wiley.com/doi/10.1002/app.20787/full?scrollTo=references

The **effect** of surface chemistry on proliferation and morphology of **bone cells** cultured on surface modified **poly**(3-**hydroxybutrate-co-3-hydroxyvalerate**) (PHBV) and untreated PHBV was evaluated.

Name of Journal: *World Journal of Stem Cells*

Manuscript NO: 47254

Manuscript Type: REVIEW

Effect of poly(3-hydroxyalkanoates) as natural polymers on mesenchymal stem cells

Vera Voinova, Garina Bonartseva, Anton Bonartsev

Abstract

Mesenchymal stem cells (MSCs) are stromal multipotent stem cells that can differentiate into multiple cell types, including fibroblasts, osteoblasts, chondrocytes, adipocytes, and myoblasts, thus allowing them to contribute to the regeneration of various tissues, especially bone tissue. MSCs are now considered one of the most promising cell types in the field of

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Effect of poly(3-hydroxyalkanoates) as natural polymers on mesenchymal stem ce

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Effect of 3-hydroxyhexanoate content in poly(3 ...

https://www.researchgate.net/publication/7330992_**Effect_of_3-hydroxyhexanoate_content**...

Abstract This study is designed to evaluate the treatment **effect of poly**(3-hydroxybutyrate-co-3-hydroxyhexanoate) (PHBHHx) and human **mesenchymal stem cells** (hMSC) on ...

Influence of poly(3-hydroxybutyrate-co-4-hydroxybutyrate ...

https://www.onlinelibrary.wiley.com/doi/10.1002/jbm.a.32146

Influence **of poly**(3-hydroxybutyrate-co-4-hydroxybutyrate-co-3-hydroxyhexanoate) on growth and osteogenic differentiation of human bone marrow-derived **mesenchymal stem cells** Xing Wei Corresponding Author

Cited by: 30 **Author:** Xing Wei, Ya-Jun Hu, Wen-Peng Xie, Ruo-...
Publish Year: 2009

Mesenchymal Stem Cell-Based Therapy

https://**www.ncbi.nlm.nih.gov**/pmc/articles/PMC3549356

Jan 07, 2013 · **Mesenchymal stem cells** (MSCs) are multipotent adult **stem cells** which have self-renewal capacity and differentiation potential into several **mesenchymal** lineages including bones, cartilages, adipose tissues and tendons. MSCs may repair ...

Cited by: 96 **Author:** Vaibhav Mundra, Ivan C. Gerling, Ram I. M...
Publish Year: 2013

Influence of poly(3-hydroxybutyrate- co -4-hydroxybutyrate ...

https://www.researchgate.net/publication/51416383_Influence_**of_poly**3-hydroxybutyrate...

Influence **of poly**(3-hydroxybutyrate- co -4-hydroxybutyrate- co -3-hydroxyhexanoate) on growth and osteogenic differentiation of human bone marrow-derived **mesenchymal stem cells**

Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate)-based ...

https://**www.ncbi.nlm.nih.gov**/pmc/articles/PMC4123831

Introduction. **Poly**(3-hydroxybutyrate-co-3-hydroxyhexanoate) (PHBHHx) is a **natural** biological polyester material that belongs to the polyhydroxyalkanoate (PHA) family (1,2).Compared with other, well-established PHA family members, **poly**(3-hydroxybutyrate) (PHB) and **poly**(3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV). PHBHHx has better biodegradability and mechanical properties