

Immunomodulation by Mesenchymal Stem Cells (MSCs ...

Immunomodulation by Livin...

https://www.frontiersin.org/articles/10.3389/fimmu.2019.01191 +

Mesenchymal stem cell (MSC) therapy offers a promising treatment option for autoimmune diseases, sepsis, and in transplant surgery (1–7). However, the underlying cellular and molecular mechanisms of MSC-mediated immunomodulation have not been fully clarified. Studies have demonstrated various immunomodulatory changes following the administration of MSCs, although a clear picture is still missing and study results are often inconsistent. This might partially be explained by the fact that MSCs from

Immunomodulation by Apop >

See more on frontiersin.org

Introduction

Cited by: 150 Author: Andreas Robert Rudolf Weiss, Marc Hen...

Publish Year: 2019

Mesenchymal Stem Cell Immunomodulation: Mechanisms ... https://www.sciencedirect.com/science/article/pii/S0165614720301450

Sep 01, 2020 - MSCs participate in both innate immunity and adaptive immunity, and their immunomodulatory functions are exerted mainly via interactions with immune cells through cell-to-cell contact and paracrine activity involving T cells, B cells, natural killer (NK) cells, macrophages, monocytes, dendritic cells (DCs), and neutrophils [] ().. Download : Download high-res image (350KB)

Cited by: 13 Author: Na Song, Na Song, Na Song, Martijn Sch...

Publish Year: 2020



The effect of mesenchymal stromal cell-hyaluronic acid ...

https://www.semanticscholar.org/paper/The-effect-of-mesenchymal-stromal-cell...

During the past several years, multipotent mesenchymal stromal cells (MSCs) have rapidly moved from in vitro and animal studies into clinical trials as a therapeutic modality potentially applicable to a wide range of disorders. It has been proposed that ex vivo culture-expanded MSCs exert their tissue regeneration potential through their immunomodulatory and anti-inflammatory properties, and ...

[PDF] The Effect of Mesenchymal Stromal Cell-Hyaluronic Acid ...

https://www.researchgate.net/profile/Xia-Chen-36...

The Effect of Mesenchymal Stromal Cell—Hyaluronic Acid ... MSCs have been extensively studied in the context of their interactions with adaptive immune cells, such as T and B ... immune cells ...

PRIME PubMed | The effect of mesenchymal stromal cell ...

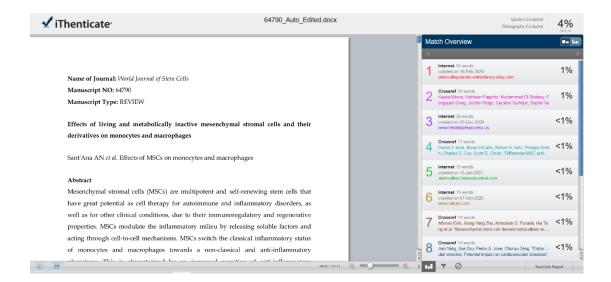
https://neuro.unboundmedicine.com/medline/citation/... ▼

During the past several years, multipotent **mesenchymal stromal cells** (MSCs) have rapidly moved from in vitro and animal studies into clinical trials as a therapeutic modality potentially applicable to a wide range of disorders. It has been proposed that ex vivo culture-expanded MSCs exert **their** tissue regeneration potential through **their** immunomodulatory and anti-inflammatory properties, and ...

DNA damage repair response in mesenchymal stromal cells ...

https://www.sciencedirect.com/science/article/pii/S1568163720302609

Sep 01, 2020 · Mesenchymal stromal cells. Mesenchymal stromal cells (MSCs) are characterized by fibroblast-like morphology, these cells are derived from bone marrow (BM) and different tissues (Horwitz





Effects of living and metabolically inactive mesenchymal stromal ce







ALL

IMAGES

VIDEOS

12,200 Results

Any time *

[PDF] The Effect of Mesenchymal Stromal Cell-Hyaluronic Acid ...

https://www.researchgate.net/profile/Xia-Chen-36...

The Effect of Mesenchymal Stromal Cell-Hyaluronic Acid ... MSCs have been extensively studied in the context of their interactions with adaptive immune cells, such as T and B ... immune cells ...

The effect of mesenchymal stromal cell-hyaluronic acid ...

https://www.semanticscholar.org/paper/The-effect-of-mesenchymal-stromal-cell...

During the past several years, multipotent mesenchymal stromal cells (MSCs) have rapidly moved from in vitro and animal studies into clinical trials as a therapeutic modality potentially applicable to a wide range of disorders. It has been proposed that ex vivo culture-expanded MSCs exert their tissue regeneration potential through their immunomodulatory and anti-inflammatory properties, and ...

PRIME PubMed | The effect of mesenchymal stromal cell ...

https://neuro.unboundmedicine.com/medline/citation/... •

During the past several years, multipotent mesenchymal stromal cells (MSCs) have rapidly moved from in vitro and animal studies into clinical trials as a therapeutic modality potentially applicable to a wide range of disorders. It has been proposed that ex vivo culture-expanded MSCs exert their tissue regeneration potential through their immunomodulatory and anti-inflammatory properties, and ...

[PDF] The Effect of Multipotent Mesenchymal Stromal Cell ...

https://www.researchgate.net/profile/Tetiana...

The Effect of Multipotent Mesenchymal Stromal Cell Derivatives on the Properties of Breast Cancer Cells in vitro and in vivo T. Herheliuk a , *, O. Perepelytsina b , L. Ostapchenko a , and M ...

Differential effects of heat ... - Stem Cells Journals

https://stemcellsjournals.onlinelibrary.wiley.com/doi/full/10.1002/stem.3165

Feb 26, 2020 - 1 INTRODUCTION. Mesenchymal stromal cells (MSCs) are of clinical interest due to the ease of procurement, multipotency, and immunomodulatory capacity. 1 MSCs hold promise as cell therapy candidates for the treatment of diseases associated with an aberrant immune system. Despite the numerous clinical and preclinical studies conducted with MSC, the therapeutic outcomes are paradoxical and their ...

Cited by: 7 Author: Andreas R. R. Weiss, Olivia Lee, Olivia L...

Publish Year: 2020