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## Extracellular vesicles from pluripotent stem cell-derived mesenchymal ...

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作者 : A La Greca - 2018 - 被引用次数 : 1

2018年9月10日 - Mesenchymal stem/stromal cells (MSCs) obtained from pluripotent stem cells ... MSC extracellular vesicles (EVs) are a potential suitable substitute for MSCs in ... and they can be produced in large quantities and stored until ready to use. .... We would like to thank Dr. Ariel Waisman for his assistance in ...

## Extracellular vesicles from pluripotent stem cell-derived mesenchymal ...

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2019年1月18日 - The researchers analyzed all the proteins produced by the iPSCs, MSCs and the ... Mesenchymal stem/stromal cells (MSCs) obtained from pluripotent stem cells ... myriad of soluble factors and extracellular vesicles (EVs) ..... like to thank Dr. Ariel Waisman for his assistance in experimental design and R.

## (PDF) Exosome Signalling in Stem Cells - ResearchGate

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2016年7月1日 - mesenchymal stem cells (MSCs), and neural stem cells. (NSCs), and further, induced pluripotent stem cells (iPSCs) ... stem cells secrete exosomes, or nano-sized vesicles which ... cells. StExo has the potential to transmit stem-like prop- erties to .... derived exosome through activation of extracellular sig-

**Name of Journal:** *World Journal of Stem Cells*

**Manuscript NO:** 46096

**Manuscript Type:** REVIEW

**Generation of mesenchymal stem-like cells for producing extracellular vesicles**

Kim S *et al.* iMSC for extracellular vesicle production

Soo Kim, Tae Min Kim

**Abstract**

### Match Overview

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## Mesenchymal Stem Cell-Derived Extracellular Vesicles ...

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Feb 09, 2016 · **Mesenchymal Stem Cell-Derived Extracellular Vesicles Promote Angiogenesis: Potential Clinical Application** Consuelo Merino-González , 1 Felipe A. Zuñiga , 1 Carlos Escudero , 2, 3 Valeska Ormazabal , 4 Camila Reyes , 1 Estefanía Nova-Lamperti , 5 Carlos Salomón , ...

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## Mesenchymal stem/stromal cell extracellular vesicles: From ...

<https://www.sciencedirect.com/science/article/pii/S0168365917307320>

It has been demonstrated that the biological **effector** of mesenchymal stem/**stromal** cells (MSCs) is their secretome, which is composed of a heterogeneous pool of bioactive **molecules**, partially **enclosed** in extracellular vesicles (EVs). Therefore, the **MSC secretome** (including EVs) has been recently proposed as possible alternative to MSC **therapy**.

Cited by: 17

Author: Barbara Crivelli, Theodora Chlapanidas, S...

Publish Year: 2017

## Clinical potential of mesenchymal stem/stromal cell ...

[sci.amegroups.com/article/view/17060/17359](http://sci.amegroups.com/article/view/17060/17359) ▾

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## Mesenchymal Stem Cell-derived Extracellular Vesicles ...

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) › ... › Mol Ther › v.23(5); 2015 May

Apr 14, 2015 · Introduction. Mesenchymal stem (or **stromal**) cells (MSCs) have emerged as a potential solution for tissue repair and wound healing. 2 **MSCs** are multipotent, nonhematopoietic adult stem cells, which can be isolated from BM, **umbilical cord**, 3,4 **placental** or adipose tissue. **MSCs** have the potential to differentiate into osteoblasts, chondrocytes,...

Cited by: 251

Author: Sweta Rani, Aideen E Ryan, Matthew D ...

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**Mesenchymal stem cell-extracellular vesicles.** EVs are membranous vesicular systems released by different cell types . Chargaff and West observed EVs, for the first time in 1946, as pro-coagulant platelet-derived particles in plasma . Few years later, in 1967, Peter Wolf ...

Cited by: 17 Author: Barbara Crivelli, Theodora Chlapanidas, ...

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### Mesenchymal Stem Cell-Derived Extracellular Vesicles ...

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Feb 09, 2016 · **Mesenchymal Stem Cell-Derived Extracellular Vesicles Promote Angiogenesis:** Potencial Clinical Application Consuelo Merino-González , 1 Felipe A. Zuñiga , 1 Carlos Escudero , 2, 3 Valeska Ormazabal , 4 Camila Reyes , 1 Estefanía Nova-Lamperti , ...

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### Concise Review: Therapeutic Potential of the Mesenchymal ...

<https://stemcellsjournals.onlinelibrary.wiley.com/doi/full/10.1002/...>

Moreover, Wen et al. showed that both murine and human MSC-derived extracellular vesicles can reverse radiation damage 93. Blazquez et al. further reported that exosomes derived from human adipose MSCs can inhibit the differentiation and activation of T cells and reduce IFN- $\gamma$  production by stimulated T cells in vitro 94. Based on these findings, we hypothesize that MSC exosomes could have therapeutic ...

### [PDF] Mesenchymal stem cell-derived extracellular vesicles for ...

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**Mesenchymal stem cell-derived extracellular vesicles** for kidney repair: current status and looming challenges Arash Aghajani Nargesi, Lilach O. Lerman and Alfonso Eirin\* Abstract Novel therapies are urgently needed to address the rising incidence and prevalence of acute kidney injury (AKI) and chronic kidney disease (CKD).

Cited by: 11 Author: Arash Aghajani Nargesi, Lilach O. Lerma...

Publish Year: 2017