

### [Differences and similarities between cancer and somatic ...](#)

<https://stemcellres.biomedcentral.com/articles/10.1186/s13287-020-02018-6> ▾

Nov 18, 2020 · MSCs are weakly immunogenic and possess immunomodulatory properties toward natural killer cells, dendritic cells, neutrophils, B cells, and T cells, where the effect on T cells are the most studied. MSCs exert their immunoregulatory effects by inhibiting activated T cell proliferation as well as stimulating regulatory T cell (Treg) proliferation [ 91 ].

Author: Fiorella Rossi, Hunter Noren, Richard ... Publish Year: 2020

### [A Comparative Analysis of Multipotent Mesenchymal ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7062771>

Mar 09, 2020 · Multipotent mesenchymal stromal cells (MSCs) can be considered an accessible therapeutic tool for regenerative medicine. Here, we compared the growth kinetics, immunophenotypic and immunomodulatory properties, gene expression and secretome profile of MSCs derived from human adult bone marrow (BM-MSCs), adipose tissue (AT-MSCs) and Wharton's jelly (WJ-MSCs) cultured in ...

Cited by: 19 Author: Yuriy Petrenko, Irena Vackova, Kristyna ...

Publish Year: 2020

### [Immunoregulatory properties of mesenchymal stem cells ...](#)

<https://www.sciencedirect.com/science/article/pii/B9780128197134000037>

Jan 01, 2020 · Having some similarities with T cells, such as clonal expansion and long-lasting survival of successful clones, NK cells are the other members of the innate immune system (Sun and Lanier, 2011, Peng and Tian, 2017). NK cells possess cytotoxicity without prior activation or sensitization against cells that lack the expression of MHC class I ...

Author: Dmytro Shytikov, Pengfei Wang, Deep... Publish Year: 2020

### [Cells | Special Issue : Immunomodulation by Mesenchymal ...](#)

[https://www.mdpi.com/journal/cells/special\\_issues/MSC](https://www.mdpi.com/journal/cells/special_issues/MSC) ▾

Furthermore, we investigated cell immunogenicity. We show that MSCs and MSC-like cells from both fetal and maternal sources present immune modulatory properties versus lymphoid (T cells) and myeloid (APC) cells, whereby fetal-derived cells (PLX-R18 and hAMSC) have a stronger capacity to modulate immune cell proliferation and differentiation.

### [\(PDF\) Immunoregulatory mechanisms of mesenchymal stem ...](#)

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### Similarities and differences between mesenchymal stem ...

<https://www.wjgnet.com/1948-0210/full/v11/i6/347.htm>

Similarities and differences between mesenchymal stem/progenitor cells derived ... Similarities and differences between mesenchymal stem/progenitor cells derived from various human tissues ... the immunomodulatory capacity exerted by the ability to secrete different factors with pro- and anti-inflammatory properties and/or direct cell-to-cell ...

Cited by: 81 Author: Urszula Kozłowska, Agnieszka Krawczyńska...

Publish Year: 2019

### Adult Stem Cells: Mesenchymal Stromal Cells, Endothelial ...

[https://link.springer.com/chapter/10.1007/978-3-030-55359-3\\_4](https://link.springer.com/chapter/10.1007/978-3-030-55359-3_4)

Kozłowska U, Krawczyńska A, Futoma K, Jurek T, Rorat M, Patrzalek D, et al. Similarities and differences between mesenchymal stem/progenitor cells derived from various human tissues. World J Stem Cells. 2019;11(6):347. PubMed PubMedCentral CrossRef Google Scholar

Author: Azza M. El-Derby, Toka A. Ahmed, Abeer... Publish Year: 2020

#### PEOPLE ALSO ASK

Is the mesenchymal stem cell the same as the stromal cell?

What is the MSC position on mesenchymal stem cells?



Name of Journal: *World Journal of Stem Cells*

Manuscript NO: 64867

Manuscript Type: REVIEW

**Differences and similarities between mesenchymal stem cell and endothelial progenitor cell immunoregulatory properties against T cells**

Razazian M *et al.* EPC's and MSC's immunoregulatory comparison

Mehdi Razazian, Maryam Khosravi, Sheyda Bahirai, Georges Uzan, Sara Shamdani, Sina Naserian

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Author: Azza M. El-Derby, Toka A. Ahmed, A...

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Is the mesenchymal stem cell the same as the stromal cell? ▾

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What are the immunoregulatory mechanisms of mesenchymal stem? ▾

How are stem cells different from cancer cells? ▾

Feedback

### Immunoregulatory mechanisms of mesenchymal stem and ...

<https://www.nature.com/articles/s41581-018-0023-5>

Jun 12, 2018 · Zhu, X. Y. et al. Mesenchymal stem cells and endothelial progenitor cells decrease renal injury in experimental swine renal artery stenosis through different mechanisms. *Stem Cells* ...

Cited by: 263

Author: Yufang Shi, Yufang Shi, Yu Wang, Qing L...

Publish Year: 2018