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<https://onlinelibrary.wiley.com/doi/abs/10.1111/odi.12086>

Feb 15, 2013 · The immunomodulatory properties of dental MSCs place them as a more accessible cell source than bone marrow-derived MSCs for cell-based therapy of immune and inflammation-related diseases.

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Author: Li Z, Jiang Cm, An S, Cheng Q, Huang Yf...

Publish Year: 2014

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The role of TLRs in immunomodulatory capacity of dental MSCs is currently under investigation and might be tissue specific. TLR-3 agonist augments immunosuppressive potential of DPSCs and dental follicle stem cells, whereas TLR-4 agonist augments immunosuppressive properties of dental follicle stem cells but inhibits those of DPSCs .

Author: Oleh Andrukhov, Christian Behm, Alic...

Publish Year: 2018

Immunomodulatory properties of dental tissue-derived ...

https://www.researchgate.net/publication/235883445_Immunomodulatory_properties_of...

One of these newly introduced stem cells, are Dental tissue derived Stem Cells (D-SCs). They are able to hold immunomodulatory and anti-inflammatory effects through cell-cell contact.

Immunomodulatory Properties of Dental-Derived ...

https://www.researchgate.net/publication/330567506_Immunomodulatory_Properties_of...

Immunomodulatory Properties of Dental-Derived Mesenchymal Stem Cells 3 (MHC class I). The subtypes/phenotypes differ in their surface marker expression, their cyto-

The Immunomodulatory Properties of Mesenchymal Stem ...

<https://www.sciencedirect.com/science/article/pii/S0022480410006232>

May 01, 2011 · Mesenchymal stem cells (MSCs, center of figure) exert effects on a variety of cells of the immune system. In general, these effects promote an overall anti-inflammatory and immunosuppressive state. Mechanisms governing these interactions include secretion of soluble paracrine factors by MSCs and direct cell-cell contact between MSCs and immune cells.

Cited by: 25

Author: Brent R. Weil, Mariuxi C. Manukyan, Jere...

Publish Year: 2011

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Manuscript NO: 46591

Manuscript Type: REVIEW

**Immunomodulatory properties of dental tissue-derived mesenchymal stem cells:
Implication in disease and tissue regeneration**

Oleh Andrukhov, Christian Behm, Alice Blufstein, Xiaohui Rausch-Fan

Abstract

Mesenchymal stem cells (MSCs) are considered an attractive tool for tissue regeneration and possess a strong immunomodulatory ability. Dental tissue-derived MSCs can be isolated from different sources, such as the dental pulp, periodontal ligament, deciduous teeth, apical papilla, dental follicles and gingiva. According to



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<https://onlinelibrary.wiley.com/doi/abs/10.1111/odi.12086>

Gábor Varga and Gábor Gerber, Mesenchymal stem cells of dental origin as promising tools for neuroregeneration, Stem Cell Research & Therapy, 5, 2, (61), (2014). Crossref Mihnea Nicolescu , Regenerative Perspective in Modern Dentistry , Dentistry Journal , 10.3390/dj4020010 , 4 ...

Cited by: 60

Author: Li Z, Jiang Cm, An S, Cheng Q, Huang Y...

Publish Year: 2014

The Immunomodulatory Properties of Mesenchymal Stem ...

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

May 01, 2011 · **Mesenchymal stem cells (MSCs)** have been used experimentally and clinically in the treatment of a wide variety of **pathologies**. It is now clear that a number of different **mechanisms** contribute to the therapeutic **effects** exerted by these **cells**.

Cited by: 25

Author: Brent R. Weil, Mariuxi C. Manukyan, Jere...

Publish Year: 2011

Immunomodulatory Properties of Dental-Derived ...

<https://www.intechopen.com/online-first/immunomodulatory...> ▼

Mesenchymal stem cells are considered as an attractive tool for **tissue regeneration**. Almost all **dental tissues** contain a population of **MSC-like cells**, which were extensively studied within the last few years. Besides their ability to differentiate into different **cell types**, **dental MSCs** also possess strong **immunomodulatory properties**.

The Immunomodulatory Properties of Mesenchymal Stem ...

<https://www.sciencedirect.com/science/article/pii/S0022480410006232>

The ability of MSCs to interact with and **modulate** the functions of a wide variety of **immune cells** has