

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

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**Influence of olive oil and its components on mesenchymal stem cell biology**

Casado-Díaz A *et al.* Olive oil and mesenchymal stem cells

Antonio Casado-Díaz, Gabriel Dorado, José Manuel Quesada-Gómez

### **Abstract**

Extra virgin olive oil is characterized by its high content of unsaturated fatty acid

### Match Overview

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| 1 | <b>Crossref</b> 21 words<br>Genevieve Buckland, Carlos A. Gonzalez. "The role of olive oil in disease prevention: a focus on the recent epidemiological ..." | <1% |
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## Olive Oil and the Senescent Bone - ScienceDirect

<https://www.sciencedirect.com/science/article/pii/B9780124078499000452>

**Olive oil** is an example. Recent in vitro studies have shown that oleuropein, the main phenolic compound in **virgin olive oil**, reduced the expression of peroxisomal proliferator-activated receptor- $\gamma$ , **inhibiting** adipocyte differentiation and enhancing differentiation of **mesenchymal stem cells** into osteoblasts. In addition, oleuropein administration led to **increase** the gene expression of osteoblastogenesis markers.

**Author:** Gemma Xifra Villarroya, José María Mo... **Publish Year:** 2015

## Mesenchymal Stem Cells Pretreated ... - PubMed Central ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4320872>

Jan 20, 2015 · **Stem cell** regenerative therapy is a promising approach in curing fibrosis. Bone marrow cells derived **mesenchymal stem** cells (MSCs) have a great potential in reducing fibrosis and improvement in the functions of lung, liver, heart, and brain when administered in these organs .

## Oleuropein attenuates hydrogen peroxide-induced ...

<https://www.sciencedirect.com/science/article/pii/S0006291X1830740X>

May 15, 2018 · However, extensive oxidative damage in ischemic tissue affects the **cell** fate of transplanted **MSCs**, eventually resulting in **cell** damage and **autophagic cell** death. **Oleuropein (OLP)** is a bioactive **compound** isolated from **olives and olive oil** that harbors antioxidant properties.

**Cited by:** 3 **Author:** Seung Taek Ji, Yeon-Ju Kim, Seok Yun Ju...

**Publish Year:** 2018

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**Author:** Tamer Abu-Amara, Abd EL Razek A. M...