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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

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Abstract

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

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Olive Oil and the Senescent Bone - ScienceDirect

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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- γ , **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 ...

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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 .

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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...