



Current understanding of mesenchymal stem cell in liver disease



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Recently, mesenchymal stem cells (MSCs) based therapy has been suggested as an attractive therapeutic option for **liver** fibrosis and cirrhosis, based on the promising results from preclinical and clinical studies.

Author: Yan Cao, Chenbo Ji, Ling Lu

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Mesenchymal Stem Cell



Mesenchymal stem cell
mesenchymal stromal cells or medicinal signaling cells are multipotent stromal cells that can differentiate into a variety of cell types, including osteoblasts (bone cells), chondrocytes (cartilage cells), myocytes (muscle cells) and adipocytes (fat cells which give rise to marrow adipose tissue).

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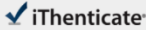
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Purpose of review: Liver transplantation is the gold standard for the treatment of end-stage liver disease. However, a shortage of donor organs, high cost, and surgical complications limit the use of this treatment. Cellular therapies using hepatocytes, hematopoietic stem cells, bone marrow mononuclear cells, and mesenchymal stem cells (MSCs) are being investigated as alternative treatments to ...

Author: Young Woo Eom, Yongdae Yoon, Soo... Publish Year: 2021

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can impair liver function and result in chronic liver disease or acute liver failure. Mesenchymal stem cells (MSCs) from various tissues have emerged as a potential candidate for cell transplantation to promote liver regeneration. Adipose-derived MSCs (ADMSCs) with high multi-lineage potential and self-renewal capacity have attracted great

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