

Conditioned medium from adipose-derived stem cells ...

<https://europepmc.org/article/PMC/PMC7847683> ▾

Preparation of conditioned medium from adipose-derived stem cells (ADSC-CM) Human adipose-derived stem cells (ADSCs) were purchased from Lonza (Basel, Switzerland). ADSCs were cultured in DMEM containing 20% FBS and penicillin/streptomycin. The cells that attached to the flask were then cultured, and the medium was changed every two days.

Author: Lee T

Secretome from hypoxia-conditioned adipose-derived ...

<https://www.sciencedirect.com/science/article/pii/S0925443917303642>

Jan 01, 2018 · Watanabe et al. reported that the hypoxia-induced conditioned medium from stem cells alleviated the severity of colitis in a rodent model . However, the specific stem cell-derived factors responsible for the observed benefits remain to be further elaborated. In this study, we investigated the efficacy of secretome from hypoxia-conditioned ...

Cited by: 18 Author: Xianfeng Xia, Philip Wai Yan Chiu, Ping K...

Publish Year: 2018

Adipose-derived stem cells ameliorate colitis by ...

<https://www.sciencedirect.com/science/article/pii/S0006291X18305886>

Apr 15, 2018 · In this study, we investigated the anti-inflammatory mechanism and therapeutic effects of adipose tissue-derived MSCs (ASCs) using THP-1 macrophages and dextran sodium sulfate (DSS)-induced mice with chronic colitis. LPS-treated THP-1 cells expressed mRNA of CD11b, an M1 macrophage marker, at day 2.

Cited by: 16 Author: Hong Jun Park, Jiye Kim, Fatema Tuj Sai...

Publish Year: 2018

Mesenteric Adipose-derived Stromal Cells From Crohn's ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6008259>

Conditioned Media From Crohn's Disease Patient-derived Adipose-derived Stromal Cells Induce Protective Responses in Mice With Acute Dextran Sulfate Sodium Colitis. We first determined whether extracellular mediators from CD and control patient-derived mesenteric ADSCs could induce differential responses in the inflamed intestine.

Cited by: 4 Author: Jill M. Hoffman, Aristeia Sideri, Jonathan J...

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Adipose-derived mesenchymal stem cells (ADMSCs) are the multipotent cells that can be effective in immune response regulation via cell-cell interaction and their secretions. In this study, the effects of ADMSCs and mesenchymal stem cell-conditioned medium (MSC-CM) were evaluated on dextran sulfate sodium (DSS)-induced colitis in mice.
Cited by: 15 Author: Maryam Heidari, Sedigheh Pouya, Kaveh ...
Publish Year: 2018

The immunomodulatory effects of adipose-derived ...
<https://onlinelibrary.wiley.com/doi/full/10.1002/jcp.26765>
May 24, 2018 Adipose-derived mesenchymal stem cells (ADMSCs) are the multipotent cells that can be effective in immune response regulation via cell-cell interaction and their secretions. In this study, the effects of ADMSCs and mesenchymal stem cell-conditioned medium (MSC-CM) were evaluated on dextran sulfate sodium (DSS)-induced colitis in mice.
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Basic Study

Conditioned secretome of adipose-derived stem cells improves dextran sulfate sodium-induced colitis in mice

Local and systemic regulation by secretome

Seunghun Lee, Jeonghoon Heo, Eun-Kyung Ahn, Jae Hyun Kim, Young-Ho Kim, Hee-Kyung Jang, Sang-Joon Lee, Jongsik Kim, Seun-Ja Park

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Cited by: 19 Author: Hong Jun Park, Jiye Kim, Fatema Tuj Sai...

Publish Year: 2018

The Therapeutic Effects of Adipose-Derived Stem Cells and ...

<https://journals.sagepub.com/doi/full/10.1177/0963689718782442>

Jul 06, 2018 · Cell therapies using adipose-derived stem cells (ADSCs) have been used to treat inflammatory bowel disease (IBD) in human and dog. We previously reported the CellSaic technique, which uses a recombinant scaffold to enhance the efficacy of cell therapy. To examine whether this technique can be applied to cell therapy for colitis, we evaluated the efficacy of CellSaic in colitis ...

Cited by: 9 Author: Daiko Iizawa, Saeko Kazehai, Takao ...