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Basic Study

Differentiated vascular smooth muscle cells, using human platelet lysate, as a source of cells for small blood vessel engineering

Mallis P *et al.* Differentiation of VSMCs using human PL

Panagiotis Mallis, Aggeliki Papapanagiotou, Michalis Katsimpoulas, Alkiviadis Kostakis, Gerasimos Siasos, Eva Kassi, Catherine Stavropoulos-Giokas, Efstathios Michalopoulos

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Treatment with platelet lysate induces endothelial ...

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In the present study, differentiation of MSCs to endothelial cells (ECs) by mechanical and chemical stimulation was evaluated. Fluid shear stress (FSS) was used as mechanical inducer, while platelet lysate (PL) and estradiol (E) were used as chemical induction factors.

Cited by: 4

Author: Farshad Homayouni Moghadam, Tahereh ...

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The use of mesenchymal stromal cells (MSCs) differentiated toward a smooth muscle cell (SMC) phenotype may provide an alternative for investigators interested in regenerating urinary tract organs such as the bladder where autologous smooth muscle cells cannot be used or are unavailable.

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Author: Juliane Brun, Katrin A. Lutz, Katharina M....

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Most clinical applications of human multipotent mesenchymal stromal cells (MSCs) for cell therapy, tissue engineering, regenerative medicine, and treatment of immune and inflammatory diseases require a phase of isolation and ex vivo expansion allowing a clinically meaningful cell number to be reached. Conditions used for cell isolation and expansion should meet strict quality and safety requirements.

Cited by: 122

Author: Daniel Tzu-Bi Shih, Daniel Tzu-Bi Shih, T...

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Author: Yufeng Cheng, Nana Wang, Kai Wang, Ji...

Publish Year: 2013

Prognostic Impact of Body Mass Index Stratified by Smoking ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3236656>

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Author: Harry H Yoon, Mark A. Lewis, Qian D Shi,...

Publish Year: 2011

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