

<sup>3</sup>  
**Name of Journal:** *World Journal of Stem Cells*

**Manuscript NO:** 52418

**Manuscript Type:** ORIGINAL ARTICLE

### *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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Differentiated vascular smooth muscle cells, using human plate



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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 ...

## Treatment with platelet lysate induces endothelial ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4464185>

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 ...

Publish Year: 2014

## Smooth Muscle-Like Cells Generated from Human ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4684225>

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.

Cited by: 9

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

Publish Year: 2015

## Preparation, quality criteria, and properties of human ...

<https://www.sciencedirect.com/science/article/pii/S1871678414006724>

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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<https://academic.oup.com/jjco/article/43/2/146/877265> ▾

Dec 21, 2012 · Some studies have shown that patients with a high body mass index had better overall survival and disease-free survival compared with those with a normal/low body mass index, whereas others have shown that the body mass index was not of prognostic value.

Cited by: 8

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>

Dec 01, 2011 · **Survival** According to **Body Mass Index** Stratified by Smoking Status in Multivariable Models **Adjusted** for Age, Stage, Grade, **Weight Loss**, and Sex (N = 778) Fig 2. **Adjusted** hazard ratios (HRs) for disease-specific **survival after** curative resection in 778 patients with **esophageal adenocarcinoma** according to **body mass index (BMI)** at the time of ...

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### Prognostic significance of combined pretreatment body



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