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Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 48232

Manuscript Type: ORIGINAL ARTICLE

Basic Study

***Ex vivo* effect of vascular wall stromal cells secretome on enteric ganglia**

Dothel G *et al.* *Ex vivo* assay of multipotent-cell secretome

Giovanni Dothel, Chiara Bernardini, Augusta Zannoni, Maria Rosaria Spirito, Roberta Salaroli, Maria Laura Bacci, Monica Forni, Fabrizio De Ponti

Abstract



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Ex vivo effect of vascular wall stromal cells secretome on enteric ganglia



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Mesenchymal stem cells - Caplan - 1991 - Journal of ...

<https://onlinelibrary.wiley.com/doi/abs/10.1002/jor.1100090504>

Tiago Ferro, Aruna Santhaganam, Catarina Madeira, João B. Salgueiro, Cláudia L. Silva and Joaquim M. S. Cabral, Successful isolation and **ex vivo** expansion of human mesenchymal stem/**stromal cells** obtained from different synovial tissue-derived (biopsy) samples, Journal of Cellular Physiology, 234, 4, (3973-3984), (2018).

Cited by: 4615

Author: Arnold I. Caplan

Publish Year: 1991

Mesenchymal stem cells participating in ex vivo ...

<https://www.sciencedirect.com/science/article/pii/S016752730500286X>

Mesenchymal stem **cells** participating in **ex vivo** endothelium repair and its **effect** on **vascular** smooth muscle **cells** growth. ... Marrow **stromal cells** had been originally identified because of their critical roles in the formation of the hematopoietic microenvironment (HME) .

Cited by: 85

Author: Xiaojing Wu, Lan Huang, Qi Zhou, Yaomi...

Publish Year: 2005

Reparative Therapy for Acute Ischemic Stroke with ...

https://www.researchgate.net/publication/266747435_Reparative...

Reparative Therapy for Acute Ischemic Stroke with Allogeneic Mesenchymal Stem **Cells** from Adipose Tissue: A Safety Assessment A Phase II Randomized, Double-blind, Placebo-controlled, Single-center ...

Mechanisms of Arterial Calcification: The Role of Matrix ...

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Introduction. A cascade of events similar to that involved in physiological bio-mineralisation occurs in the **arterial wall**. 9 Among the **cells** that can be committed to an **osteogenic** program are pericyte like intimal **cells**, VSMCs, adventitial multi-potent **mesenchymal stem cells** ...

Cited by: 3

Author: Luca Zazzeroni, Gianluca Faggioli, Giana...

Publish Year: 2018

Secreted trophic factors of mesenchymal stem cells support ...

www.ncbi.nlm.nih.gov › ... › Stem Cell Res Ther › v.7(1); 2016

Sep 09, 2016 - Secreted trophic factors of mesenchymal stem **cells** support neurovascular and musculoskeletal therapies. ... peripheral blood-derived stem **cells**, or **cells** from the adipose **stromal vascular** fraction ... be found in the extensive work done in other fields, particularly exploration of the stem **cell secretome** in the cardiac field ...

Cited by: 87

Author: Heidi R. Hofer, Rocky S. Tuan



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28,200 Results

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Endothelial progenitor cell transplantation improves long ...

<https://onlinelibrary.wiley.com/doi/full/10.1002/ana.21919>

Apr 26, 2010 · Patrycja Obtulowicz, Wioletta Lech, Lukasz Strojek, Anna Samowska and Krystyna Domanska-Janik, Induction of Endothelial Phenotype from Wharton's Jelly-Derived MSCs and Comparison of Their Vasoprotective and Neuroprotective Potential with Primary WJ-MSCs in CA1 Hippocampal Region **Ex Vivo**, **Cell Transplantation**, 25, 4, (715), (2016).

Cited by: 309

Author: Yongfeng Fan, Fanxia Shen, Fanxia Shen...

Publish Year: 2010

Mechanisms of Arterial Calcification: The Role of Matrix ...

<https://www.sciencedirect.com/science/article/pii/S1078588417307347>

Ageing, diabetes, and CKD are associated with metabolic disarrays that **impact** on the calcium and inorganic phosphate homeostasis of the vascular wall. Resident **vascular cells**, including **VSMCs**, **MSCs**, **pericytes**, and **telocytes**, have the potential to acquire an **OP molecular** profile, and to initiate **VC** through **MV** delivery.

Cited by: 4

Author: Luca Zazzeroni, Gianluca Faggioli, Giana...

Publish Year: 2018

Advances in ex vivo models and lab-on-a-chip devices for ...

<https://www.sciencedirect.com/science/article/pii/S0142961218303478>

Ex vivo models for neural regeneration and engineering. **Ex vivo models** for neural regeneration and engineering fall into one of 6 broad categories: 2D **cell culture** based **systems**, bioengineered 3D scaffolds, neurosphere based culture, tissue explants, organoid tissues, and culture utilizing **bioreactor systems**. All of these models strive to mimic aspects of the in **vivo environment** of brain, spinal ...

Author: Sahba Mobini, Young Hye Song, Mich...

Publish Year: 2019

Pilot study for in vivo cellular imaging of the muscularis ...

[https://www.giejournal.org/article/S0016-5107\(08\)02355-9/fulltext](https://www.giejournal.org/article/S0016-5107(08)02355-9/fulltext)

In the **ex vivo** and initial in **vivo** trials of this study, the mucosal layer was removed to access the muscular layer. However, in the **EMR** group, the stains failed to optimally stain the exposed muscularis propria in 4 of 8 attempts (50%). By contrast, in the **SEMF** group all the muscle layers were ideally stained. We think that this was due to 2 **factors**.

Cited by: 15

Author: Kazuki Sumiyama, Hisao Tajiri, Fusao Ka...

Publish Year: 2009

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... stem cells and conditioned medium avert enteric ... - Robinson - 被引用次数: 31

Telocyte implications in human pathology: an overview - Ibba-Manneschi - 被引用次数: 27

Differential Proteomic Analysis Predicts Appropriate Applications for ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6109467/> ▼ [翻译此页](#)

作者: S Niada - 2018 - 被引用次数: 6 - [相关文章](#)

The proosteogenic effect of DF secretome was validated in vitro on human primary ... effect of the administration of the CM from adipose-derived stem/stromal cells (ASCs) in a ... Lakewood, NJ, USA) and filtering of the stromal vascular fraction.

缺少字词: wall enteric ganglia

Secretome From Mesenchymal Stem Cells Induces Angiogenesis Via ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2860629/> ▼ [翻译此页](#)

作者: R ESTRADA - 2009 - 被引用次数: 125 - [相关文章](#)

The secretome of MSCs stimulates angiogenic response in vitro, and ... and antibody array to identify paracrine factors that may have therapeutic effect. ... umbilical vein endothelial cells (HUVECs) and human pulmonary artery endothelial cells Angiogenesis was quantified by direct count of vessels residing in the stroma ...

缺少字词: wall enteric ganglia

Stromal cells at the end of proliferative stage (in granulation tissue ...

<https://www.researchgate.net/.../Stromal-cells-at-the-end-of-proliferative-stag...> - [翻译此页](#)

B. All stromal cells show αSMA expression at the onset of the remodelling stage. ... of human resident CD34 + stromal cells/telocytes (SC/TCs) in the enteric wall ... skeletal muscle bundles/fibers, and intramuscular nerves and ganglia. We aimed to characterize and understand the in vitro effect of the TC secretome on ...

Giovanni Dothel | Medical and Pharmaceutical Biotechnology ...

https://www.researchgate.net/profile/Giovanni_Dothel ▼ [翻译此页](#)

Last work published: 'Mesenchymal stromal cell-based therapy: Regulatory and ... porcine Vascular