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intestinal ischemia early stage reperfusion injury

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IH Hundscheid, DH Schellekens, J Grootjans, ... - 《Gastroenterology》 - 2013 - 被引量: 0
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J Grootjans, G Thuijls, J Derikx, ... - 《Gastroenterology》 - 2011 - 被引量: 6
Introduction: The small intestine exhibits a range of slow wave behaviors, including antegrade and retrograde propagation, coordinating motility. It is ...
来源: Elsevier / ResearchGate / gastrojournal.org / clinicalkey.com / dx.doi.org

Small Intestine

Effect of Ischemia on the Canine Large Bowel: A Comparison with the Small Intestine

I Takeyoshi, S Zhang, K Nakamura, ... - 《Journal of Surgi...》 - 1996 - 被引量: 47



Name of Journal: World Journal of Gastroenterology

Manuscript NO: 34441

Manuscript Type: ORIGINAL ARTICLE

Basic Study

Human small intestine is capable of restoring barrier function after short ischemic periods

Dirk HSM Schellekens, Inca HR Hundscheid, ¹⁷Joep Grootjans, Kaatje Lenaerts, Wim A Buurman, Cornelis HC Dejong, Joep Derikx

Abstract

AIM

To assess intestinal barrier function during human intestinal ischemia and reperfusion (IR).

METHODS

In a human experimental model, 6 cm of jejunum was selectively exposed to 30

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Plasma **intestinal** fatty acid-binding protein levels correlate with morphologic epithelial **intestinal** damage in a **human** translational **ischemia**-reperfusion model

DHSM Schellekens, J Grootjans... - Journal of clinical ..., 2014 - journals.lww.com

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Intestinal ischemia/reperfusion: microcirculatory pathology and **functional** consequences

B Vollmar, MD Menger - Langenbeck's archives of surgery, 2011 - Springer

... reperfusion injury by attenuating the risk of vasospasm and thrombosis in **small bowel**

transplantation [101 ... intake of carbohydrates by rats is reported to retain both the **intestinal barrier**

function and to ... via a receptor-mediated type I apoptotic pathway in the rat **small intestine** [128 ...

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Surgical stress and the **small intestine**: **role** of oxygen free radicals

R Anup, V Apama, A Pulimood, KA Balasubramanian - Surgery, 1999 - Elsevier

... wall is opened and the **intestine** handled gently to simulate **intestinal** handling during ... acutely

ischemic extremities produces structural and **functional** changes in the **small intestine**, although

the changes were not associated with increased neutrophil infiltration of the **bowel wall**. ...

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Recovery of mucosal **barrier function** in **ischemic** porcine ileum and colon is stimulated by a novel agonist of the CIC-2 chloride channel, lubiprostone

AJ Moeser, PK Nighot, KJ Engelke... - American Journal of ..., 2007 - Am Physiological Soc

... of CIC-2 Cl⁻ currents in **human** colonic T84 and CIC-2-transfected **human** embryonic kidney ...

Lubiprostone has been shown to induce **intestinal** fluid secretion when administered orally (53)

and ... Ileal or colonic segments were delineated by ligating the **intestine** at 10-cm intervals ...

被引用次数: 79 相关文章 所有 10 个版本 引用 保存

Intestinal barrier function

DC Baumgart, AU Dignass - Current Opinion in Clinical Nutrition & ..., 2002 - journals.lww.com

Intestinal barrier function regulates transport and host defense

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Life and death at the mucosal-luminal interface: New perspectives on ...

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作者：J Grootjans - 2016 - 被引用次数：8 - [相关文章](#)

2016年3月7日 - THE **HUMAN** INTESTINAL EPITHELIAL **BARRIER** In contrast to **short periods of ischemia** of the **small intestine**, the epithelial lining starts to ... and are **capable** of inducing production of chemokines and cytokines[59]. ... to improve and/or **restore** stem cell **function following** intestinal IR and could have ...

Regulation of the Intestinal Barrier Function by Host Defense Peptides

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4672242/> - [翻译此页](#)

作者：K Robinson - 2015 - 被引用次数：14 - [相关文章](#)

2015年11月23日 - Keywords: host defense peptides, **barrier function**, tight junction, gut health, innate immunity ... to Paneth cells in the crypts of the **human small intestinal** tract (14). attenuating myocardial **ischemia**-reperfusion injury (49) by blocking the Furthermore, porcine β -defensin-2 (PBD-2) is **capable of restoring** ...

MUCOSAL DAMAGE AND RECOVERY OF THE INTESTINE AFTER ...

<https://www.ncbi.nlm.nih.gov> > NCBI > Literature > PubMed Central (PMC) - [翻译此页](#)

作者：I Takeyoshi - 2001 - 被引用次数：44 - [相关文章](#)

Electrophysiologic **function** and the mucosa biochemical marker recovered within 3 ... Because the **small intestine** is notoriously sensitive to **ischemia**, intestinal recovery ... Intestinal continuity was **restored** by end-to-end anastomoses of the graft ... **After** a 30-min equilibration **period**, the potential difference (PD), **short-circuit** ...

Mechanisms of Gastrointestinal Ischemia-Reperfusion Injury and ...

onlinelibrary.wiley.com/doi/10.1111/j.1939-1676.1995.tb03285.x/pdf ▼ [翻译此页](#)

作者：RM Moore - 1995 - 被引用次数：108 - [相关文章](#)

Restoration of blood flow **after** a **period** of **intestinal** isch- emia is necessary to maintain cell **function** and viability; however, the reintroduction of oxygen can ...