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Name of Journal: *World Journal of Gastrointestinal Pathophysiology*

Manuscript NO: 40308

Manuscript Type: REVIEW

Acinar cell injury induced by inadequate unfolded protein response in acute pancreatitis

Barrera K *et al.* Inadequate UPR induces AP injury

Kaylene Barrera, Albert Stanek, Kei Okochi, Zuzanna Niewiadomska, Cathy Mueller, Peiqi Ou, Devon John, Antonio E Alfonso, Scott Tenner, Chongmin Huan

Abstract

Acute pancreatitis (AP) is an inflammatory disorder of pancreatic tissue initiated in injured acinar cells. Severe AP remains a significant challenge due to the lack of effective treatment. The widely accepted autodigestion theory of AP is now facing challenges since inhibiting the activation of proteases has negligible effectiveness for AP

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[HTML] sciencedirect.com

HP Harding, H Zeng, Y Zhang, R Jungries, P Chung... - Molecular cell, 2001 - Elsevier

... (A) Anti-PERK immunostaining of paraffin-embedded sections of pancreatic acini (upper panels ... arrows point to the basolateral distribution of PERK immunoreactivity in the cells of the acinus ... In the acinar cells, dilation, accumulation of electron-dense material in the lumen, and ...

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Arginine induced acute pancreatitis alters the actin cytoskeleton and increases heat shock protein expression in rat pancreatic acinar cells

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M Tashiro, C Schäfer, H Yao, SA Ernst, JA Williams - Gut, 2001 - gut.bmj.com

... PAGE or IEF gel electrophoresis using Model 111 Mini IEF Cell (Bio-Rad ... by 72 hours the acinar architecture was markedly disrupted with remaining acinar cells appearing primarily ... kg arginine treatment but the majority of the pancreata contained normal appearing acini (fig 1 ...

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Coupling endoplasmic reticulum stress to the cell death program: role of the ER chaperone GRP78

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RV Rao, A Peel, A Logvinova, G del Rio... - FEBS ..., 2002 - Wiley Online Library

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[PDF] Integration of autophagy, proteasomal degradation, unfolded protein response and apoptosis

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DM Benbrook, A Long - Exp Oncol, 2012 - pdfs.semanticscholar.org

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Mechanisms of acinar cell injury in acute pancreatitis. - NCBI

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作者 : MG Raraty - 2005 - 被引用次数 : 76 - 相关文章

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Mechanisms of acinar cell injury in acute pancreatitis - ResearchGate

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Mechanisms of acinar cell injury in acute pancreatitis. - NCBI

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作者: RT Waldron - 2018 - 被引用次数: 1