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23 Jun 2014 ... During cold storage, the respiratory control ratio and complex I-fueled ... **Steatotic livers** have **impaired** baseline aerobic and anaerobic capacities ... of **steatotic liver mitochondrial function** exposed to a **more** clinically relevant 9–18 ... with the increased **susceptibility to ischemia-reperfusion injury** [7], [22].

[PDF] [Prevention of I/R injury in fatty livers by ischemic preconditioning is ...](#)

[rca.fmrp.usp.br/servico/gastro/.../cirurgia/.../steatotic_liver_iv.pdf](#)

increased **susceptibility** of fatty livers to **ischemic injury** is associated with depletion of ... prevents the **impairment in mitochondrial function** induced by I/R. Lean and **steatotic** animals were subjected to 90 min of hepatic warm **ischemia** and 12 h of **reperfusion**. ... IPC in the fatty livers subjected to **ischemia/reperfusion**. [22].

[PDF] [Effect of Hepatic Steatosis on Bioenergetic Function During Hepatic ...](#)

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20 Dec 2012 ... **most common impairment** was decreased adenosine triphosphate recovery with ... **Impaired mitochondrial function** play a key role in the **susceptibility** of **steatotic livers** to IRI. ... Bioenergetic in Hepatic Steatosis and **Ischemia-reperfusion Injury** ... **normothermic liver perfusion circuit** – IPM (Table 4) while.

[Mitochondrial Dysfunction and Autophagy in Hepatic Ischemia ...](#)

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11 Nov 2015 ... **Ischemia/reperfusion (I/R) injury** remains a major complication of liver ... due to the **complex mechanisms** that contribute to I/R. In this review, we will ... in maintaining **mitochondrial function** and cell survival after hepatic I/R [8, 25, 27–29]. ... **fatty livers are more susceptible** to I/R injury than lean counterparts, ...

[The Current State of Knowledge of Hepatic Ischemia-Reperfusion ...](#)

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 24455

Manuscript Type: ORIGINAL ARTICLE

Basic Study

Steatotic livers are susceptible to normothermic ischemia-reperfusion injury from mitochondrial Complex-I dysfunction

Michael JJ Chu, Rakesh Premkumar, Anthony JR Hickey, Yannan Jiang, Brett Delahunt, Anthony RJ Phillips, Adam SJR Bartlett

Abstract

AIM: To assess effects of ischemic preconditioning (IPC, 10-minute ischemia/10-minute reperfusion) on steatotic liver mitochondrial function after normothermic ischemia-reperfusion injury (IRI).

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9 May 2012 ... However, I/R injury is the underlying cause of graft dysfunction in marginal organs [7]. Indeed, the use of steatotic livers for transplantation is associated with an increased ... Mechanisms involved in hepatic ischemia-reperfusion injury. ... that after normothermic liver ischemia, male rats were less sensitive to ...

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Ischemia-reperfusion injury is an important cause of liver damage occurring during ... occurring during hepatic ischemia-reperfusion are diverse and complex, and ... Most early changes in the anoxic hepatocytes occur in the mitochondria. age, and graft steatosis contribute to enhance liver susceptibility to I/R injury, thus ...

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Ischemia-reperfusion injury is an important cause of liver damage occurring during ... occurring during hepatic ischemia-reperfusion are diverse and complex, and ... dysfunction post-transplantation, independently of liver basal characteristics, and graft steatosis contribute to enhance liver susceptibility to I/R injury, thus ...

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Abstract - Wiley Online Library

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作者 : MJJ Chu - 2015 - 被引用次数 : 1 - 相关文章

2015年1月22日 - Steatotic livers are susceptible to cold ischemia, which is thought to be secondary ... of warm ischemia/reperfusion injury, but the effect of IPC on steatotic