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(1)Division of **Liver Transplantation**, Department of General, Visceral, and ... Catecholamines are often administered during and **after liver transplantation** (LTx) to support ... only temporary alterations of hepatic macrocirculation and **microcirculation**, which ... of vasopressor **effects** caused by reduced hepatocyte **metabolism**.

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Transpl Int. 1992;5 Suppl 1:S340-2. The **impact** of liver preservation in HTK and UW solution on **microcirculation after liver transplantation**. Walcher F(1), Marzi I, ...

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9 May 2014 ... **Impact** of oxygen free radicals in rat partial **liver transplantation**. ... (1)Institute for Laboratory Animal Science and Experimental Surgery, ... analyze the **impact** of NAC on liver graft **microcirculation** and graft function **after** partial ... Animals; Free Radicals/**metabolism**; Lipid Peroxidation; **Liver Transplantation*** ...

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Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 31809

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Basic Study

Effects of HO-1/BM MSCs on microcirculation and energy metabolism following liver transplantation

Liu Yang, Zhong-Yang Shen, Rao-Rao Wang, Ming-Li Yin, Wei-Ping Zheng, Bin Wu, Tao Liu, Hong-Li Song

Abstract

AIM

To explore the effects of heme oxygenase-1 (HO-1)-modified bone marrow mesenchymal stem cells (BM MSCs) on the microcirculation and energy metabolism of hepatic sinusoids following reduced-size liver transplantation

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