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Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 50444

Manuscript Type: ORIGINAL ARTICLE

Basic Study

Gender differences in vascular reactivity of mesenteric arterioles in portal
hypertensive and non-portal hypertensive rats

Zhang B *et al.* Gender differences in vascular reactivity in PHT

Abstract

BACKGROUND

Portal hypertension (PHT) is primarily caused by an increase in resistance to portal



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Gender differences in vascular reactivity of mesenteric arteriol



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Oct 28, 2013 · Core tip: Vascular hyporeactivity is affected by gender and estrogen. The aim of the present study was to investigate whether estrogen could attenuate the severity of hyperdynamic circulation and the underlying mechanism in pre-hepatic portal hypertensive rats without cirrhosis, with a focus on oxidative stress.

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Deoxycorticosterone acetate-salt hypertensive rats display ...

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Gender differences in vascular reactivity—mesenteric microcirculation. In the microcirculation, ET-1 vascular reactivity was increased in male and female DOCA-salt rats in comparison to respective male and female control rats (Figure 4). However, doses 10 times higher were necessary in female rats to produce contractions similar to those observed in male rats.

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Publish Year: 2013

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