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### *Basic Study*

**Fecal microbiota transplantation prevents hepatic encephalopathy in rats with carbon tetrachloride-induced acute hepatic dysfunction**

Wei-Wei Wang, Yu Zhang, Xiao-Bing Huang, Nan You, Lu Zheng, Jing Li

### **Abstract**

#### *AIM*

To investigate the Fecal microbiota transplantation to prevent Hepatic Encephalopathy in Rat induced by Carbon Tetrachloride.

#### *METHODS*

In this study, we performed in vivo rat HE model induced by carbon

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14 Feb 2015 ... Keywords: Gut microbiota, Immune system, Liver disease, Metabolites, Non-alcoholic fatty liver disease, Hepatic encephalopathy ... Tuomisto et al[53] analyzed bacterial DNA in the feces of patients with alcoholic liver cirrhosis, and they ... of diethylnitrosamine and the hepatotoxin carbon tetrachloride.

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I Gómez-Hurtado, J Such, Y Sanz... - World Journal of ..., 2014 - ncbi.nlm.nih.gov  
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A Goel, M Gupta, R Aggarwal - Journal of gastroenterology and ..., 2014 - Wiley Online Library  
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Y Ilan - World journal of gastroenterology: WJG, 2012 - ncbi.nlm.nih.gov  
... hepatic TNF-α production in vivo, and leptin receptor-deficient Zucker rats showed reduced ... Plasma concentrations of endotoxin and PAI-1 and hepatic mRNA expression levels of TLR4 and ... TNF-α mRNA expression in liver tissue was significantly higher in patients with NASH ...  
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### Gut microbiota-related complications in cirrhosis - NCBI - NIH

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