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Name of Journal: *World Journal of Gastroenterology***Manuscript NO:** 56852**Manuscript Type:** BASIC SCIENCE**Basic Study****Resveratrol alleviates intestinal mucosal barrier dysfunction in dextran sulfate sodium-induced colitis mice by enhancing autophagy**

Hang-Hai Pan, Xin-Xin Zhou, Ying-Yu Ma, Wen-Sheng Pan, Fei Zhao, Mo-Sang Yu, Jing-Quan Liu

Abstract**BACKGROUND**

Intestinal mucosal barrier dysfunction plays an important role in the pathogenesis of ulcerative colitis(UC). Recent studies have revealed that impaired autophagy is associated with intestinal mucosal dysfunction in the

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Publish Year: 2019

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In the present study, a **DSS-induced colitis** model was established to explore the dynamic role of the **intestinal** microbiome. The combination of measurements of cytokine levels, the gut **barrier** function, 16S rRNA gene sequencing, and gut metabolite and SCFA levels was used to understand the protective role *P. pentosaceus* LI05 and identify the ...

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1. Introduction. Human inflammatory **bowel** disease (IBD), including **ulcerative colitis** (UC) and Crohn's disease, is a chronic relapsing and remitting inflammatory condition of the gastrointestinal (GI) tract that usually manifests as abdominal pain, diarrhea, mucopurulent stool, **intestinal** obstruction, and **intestinal** perforation, or even canceration [1,2].

Author: Zi-cong Wu, Zhen-ling Zhao, Jian-pi... **Publish Year:** 2020

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