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Name of Journal: *World Journal of Gastrointestinal Pharmacology and Therapeutics***Manuscript NO:** 54700**Manuscript Type:** ORIGINAL ARTICLE**Basic Study****Bowel adhesion¹ and therapy with the stable gastric pentadecapeptide BPC 157,
L-NAME and L-arginine in rats**

Lidija Berkopic Cesar, Slaven Gojkovic, Ivan Krezic, Dominik Malekinusic, Helena Zizek, Lovorka Batelja Vuletic, Andreja Petrovic, Katarina Horvat Pavlov, Domagoj Drmic, Antonio Kokot, Josipa Vlainic, Sven Seiwerth, Predrag Sikiric

Abstract**BACKGROUND**

After parietal peritoneum excision with an underlying superficial layer of muscle tissue in rats there is failed vasculature and finally increased adhesion

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BPC 157 successfully heals the **intestinal anastomosis**, **gastrocutaneous**, **duodenocutaneous** and **colocutaneous fistulas** in **rats**, as well as interacting with the NO-system. Interestingly, the **fistula closure** was achieved even when the BPC 157 therapy was postponed for one month.

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Aim: **Stable gastric pentadecapeptide BPC 157** recovered short **bowel** syndrome in **rats** after massive small **bowel** resection, improved intestinal adaptation, villus height, crypt depth, and muscle thickness (and inner (circular) and/or outer (longitudinal) muscular layer)),

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Dec 28, 2017 - in **rats** using **stable gastric pentadecapeptide BPC 157**. METHODS: **Medication** [BPC 157, L-NAME, L-arginine (alone/combined), **saline**] was bath at the **blood** deprived **colon segment**. During reperfusion, **medication** was **BPC 157** or **saline**. We recorded (USB microscope camera) **vessel presentation** through

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