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Author Correction: BDNF contributes to IBS-like colonic hypersensitivity via activating the enteroglia-nerve unit

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Correction to: *Scientific Reports* <https://doi.org/10.1038/srep20320> published online 03 February 2016

This Article contains errors.

In Figure 3H, the figures for the control group (BDNF+/+ mice) were mistakenly selected from the candidate representative images for IBS-D FSN group (BDNF+/+ mice).

The correct Figure 3 and its accompanying legend appear below.

These changes do not affect the conclusions of the article.

Published online: 21 September 2021

Figure 3. Alterations of visceral sensitivity and expressions of BDNF, GFAP and substance P in colon of BDNF^{+/+} and BDNF^{+/-} mice in the presence or absence of IBS fecal supernatants (FSN) stimulation. **(A)** Intracolonic infusion of IBS-D FSN significantly increased electromyographic (EMG) activity of abdominal muscles in wild-type mice (*, IBS-D FSN vs. control). **(B)** TrkB/Fc significantly suppressed the effect of IBS-D FSN at 30, 45 and 60 mmHg (*, IBS-D FSN vs. control; #, IBS-D FSN vs. IBS-D FSN plus TrkB/Fc). **(C)** The overall response to the CRD after treatment by IBS-D FSN in BDNF^{+/-} mice was significantly lower than that in BDNF^{+/+} mice. (*, IBS-D FSN vs. control FSN in BDNF^{+/-} mice; #, IBS-D FSN in BDNF^{+/+} mice vs. in BDNF^{+/-} mice; †control FSN in BDNF^{+/+} mice vs. in BDNF^{+/-} mice). **(D–F)** Western blotting analysis of BDNF, GFAP and TrkB protein levels in colon of BDNF^{+/+} and BDNF^{+/-} mice 4 h after intracolonic infusion with IBS-D FSN compared with control FSN or aprotinin-pretreated IBS-D FSN. **(G)** Overview of GFAP expression in the full-thickness colonic wall in BDNF^{+/+} mice 4 h after intracolonic infusion with IBS-D FSN compared with control FSN. Black arrow shows increased expression of GFAP in muscular layers. **(H)** Dual immunofluorescence staining of SP and GFAP in colon of BDNF^{+/+} and BDNF^{+/-} mice 4 h after intracolonic infusion with IBS-D FSN compared with control FSN or aprotinin-pretreated IBS-D FSN. Co-immunostaining for colonic SP and GFAP was significantly increased in BDNF^{+/+} mice **(I)** but not in BDNF^{+/-} mice **(J)** after 4-hour intracolonic incubation with IBS-D FSN. The results are displayed as the mean ± SD. (**P* < 0.05, ***P* < 0.01, ****P* < 0.001, ##*P* < 0.01, ###*P* < 0.001, †*P* < 0.05; AUC, area under curve; NS, not significant; target protein levels were normalized to GAPDH; n = 8 per group; scale bars: 50 μm). The gels were run under the same experimental conditions. Cropped gels/blots are presented. (Full-length gels/blots are shown in Suppl. Fig. S2 with indicated cropping lines.)

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