

CORRECTION

Correction: Epithelial restitution defect in neonatal jejunum is rescued by juvenile mucosal homogenate in a pig model of intestinal ischemic injury and repair

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The twelfth sentence beneath the “Ussing chamber studies” sub-heading in the Methods section is incorrect. The correct sentence is: For exogenous prostaglandin experiments, 10 μ M 16,16-dimethylprostaglandin E₂ was added to the basolateral chamber after the 15-minute reading for the remainder of recovery.

There is an error in the [Fig 5](#) caption. Please see the figure and corrected caption here.



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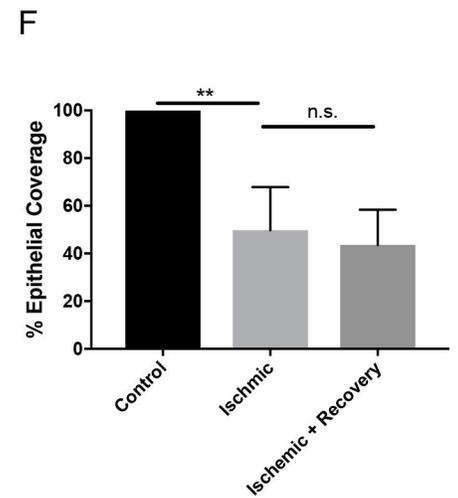
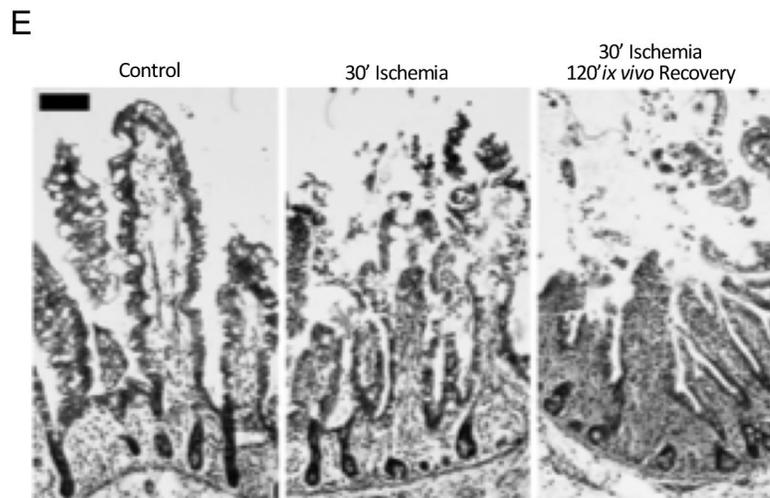
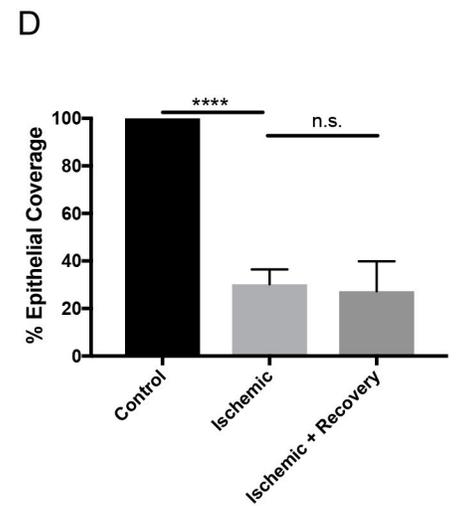
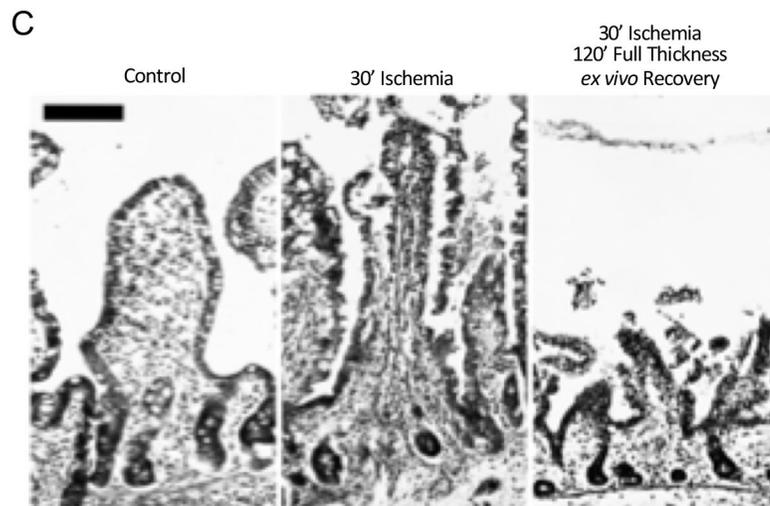
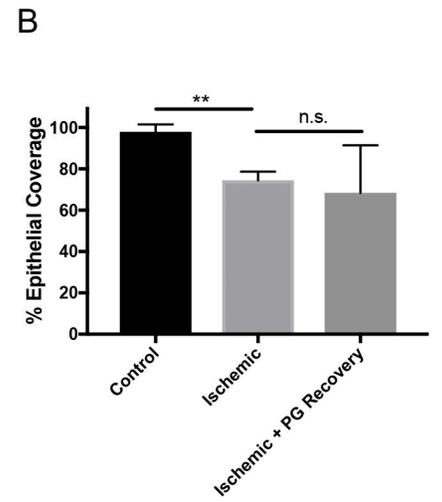
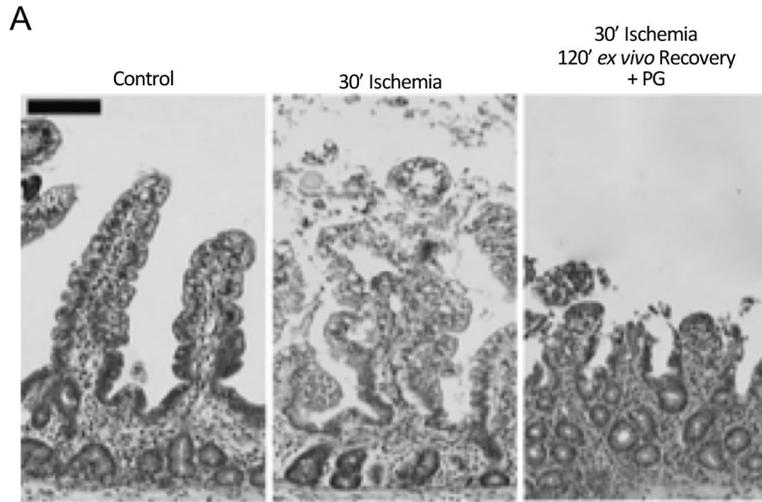


Fig 5. Effect of exogenous prostaglandins, full thickness *ex vivo* and *in vivo* recovery on neonatal restitution following 30-minutes of ischemia. (A) Representative histology of control, 30-minutes ischemic and 120-minutes *ex vivo* recovery neonatal jejunum with the addition of 10uM 16,16-dimethylprostaglandin E2 to the basolateral chamber. Note the persistent epithelial defect in the recovered tissue (scale bars 100 μ m). (B) Histomorphometry quantified 74 \pm 2.5% and 68 \pm 13.3% epithelialization in injured and prostaglandin recovered tissues, respectively, as compared to 98 \pm 2.0% epithelialization of controls (n = 3, n.s. = not significant, **P<0.01, unpaired t-test). (C) Representative histology of control, 30-minutes ischemic, and 30-minutes ischemic and 120-minutes full-thickness *ex vivo* recovery neonatal jejunum (scale bars 100 μ m). (D) Histomorphometry quantified 30 \pm 6.3% and 27 \pm 12.6% epithelialization in injured and full thickness *ex vivo* recovered tissues, respectively, as compared to 100 \pm 0.0% epithelialization of controls (n = 4, n.s. = not significant, ****P<0.0001, unpaired t-test). (E) Representative histology of control, 30-minutes ischemic, and 30-minutes ischemic and 120-minutes *in vivo* recovery neonatal jejunum (scale bars 100 μ m). (F) Histomorphometry quantified 50 \pm 7.4% and 44 \pm 6.6% epithelialization in injured and *in vivo* recovered tissues, respectively, versus 100% epithelialization of controls (n = 5–7, n.s. = not significant, **P<0.01, unpaired t-test).

<https://doi.org/10.1371/journal.pone.0212962.g001>

Reference

1. Ziegler AL, Pridgen TA, Mills JK, Gonzalez LM, Van Landeghem L, Odle J, et al. (2018) Epithelial restitution defect in neonatal jejunum is rescued by juvenile mucosal homogenate in a pig model of intestinal ischemic injury and repair. PLoS ONE 13(8): e0200674. <https://doi.org/10.1371/journal.pone.0200674> PMID: 30138372