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Injury, Inflammation, and Sepsis: Laboratory and Clinical Approaches

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COVER: Projections of α -defensin-4 (Green, Alexa 488) and CD15 (Orange, Cy3) protein in specimens of the ileum from the animals subjected to H&R. A and B, representative images of the ileum specimens before H&R, where A is an immunofluorescence image of α -defensin 4 and CD15, and counterstaining of nuclei with Hoechst 33342; B is an overlay of the image A and a respective Nomarski image. D and E, representative images of the ileum specimens after H&R, where D is an immunofluorescence image of α -defensin 4 and CD15, and counterstaining of nuclei with Hoechst 33342; E is an overlay of the image D and a respective Nomarski image. A relative increase in the immunoreactivity of α -defensin 4 along the villus-crypt axis after H&R is indicated with a red arrow. Colocalization of α -defensin 4 and CD15 appears yellow as a result of interference of green and orange colors (indicated with a white arrow). C and F, relative immunofluorescence of α -defensin 4 in the projections presented, respectively, in B and E. Fluorescence images were taken as described in the Methods section. The presented images were taken with objective x 10. H&R-hemorrhage followed by resuscitation. See Atkins et al., pages 411–416, 2008.