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Injury, Inflammation, and Sepsis: Laboratory and Clinical Approaches

OFFICIAL JOURNAL OF THE SHOCK SOCIETY, THE EUROPEAN SHOCK SOCIETY,
THE INDONESIAN SHOCK SOCIETY, THE INTERNATIONAL FEDERATION OF SHOCK SOCIETIES,
AND THE OFFICIAL AND INTERNATIONAL JOURNAL OF THE JAPAN SHOCK SOCIETY

Volume 25, Number 1

January 2006

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Current Impact Factor 2.542

COVER: Effects of endogenous PPAR- α ligand on SAO shock-induced intestinal injury. (a) Distal ileum section from sham-operated mice demonstrating the normal architecture of the intestinal epithelium and wall. (b) Distal ileum section from SAO-shocked PPAR- α WT mice showing inflammatory cell infiltration through the wall and concentrated below the epithelial layer and demonstrating edema of the distal portion of the villi and necrosis of the epithelium at the villous tips. (c) The absence of PPAR- α gene significantly increases the extent and severity of the histological signs of ileum injury. Figure is representative of at least three experiments performed on different experimental days. See Muià et al, pages 17–22, 2005