Commentary

What's New in Shock, November 2009?

Clinical Aspects

Central Venous Pressure Versus Pulmonary Artery Catheter–Directed Shock Resuscitation

Hematopoietic Stem Cell Proliferation Modeling Under the Influence of Hematopoietic-Inducing Agent

A Longer Duration of Polymyxin B–Immobilized Fiber Column Hemoperfusion Improves Pulmonary Oxygenation in Patients with Septic Shock

CL097, a TLR7/8 Ligand, Inhibits TLR-4–Dependent Activation of IRAK-M and BCL-3 Expression

Basic Science Aspects

Elevated Glucose and Fatty Acid Levels Impair Substance P–Induced Dermal Microvascular Endothelial Cell Migration and Proliferation in an Agarose Gel Model System

The Effect of Iloprost on Renal Dysfunction After Renal I/R Using Cystatin C and β2-Microglobulin Monitoring

Evolution of Portal-Systemic Collateral Vasopressin Response in Endotoxemic Portal Hypertensive Rats

Inhibition of C-Jun N-Terminal Kinase After Hemorrhage But Before Resuscitation Mitigates Hepatic Damage and Inflammatory Response in Male Rats

Protective Effect of Suberoylanilide Hydroxamic Acid Against LPS-Induced Septic Shock in Rodents

Activated Protein C Can Be Used as a Prophylactic as Well as a Therapeutic Agent for Heat Stroke in Rodents

Enoxaparin Attenuates Endothelial Damage with Less Bleeding Compared with Unfractionated Heparin in Endotoxemic Rats

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Effects of TNF–α–Converting Enzyme Inhibition on Acute Lung Injury Induced By Endotoxin in the Rat

Mie Shimizu, Naoki Hasegawa, Tomoyasu Nishimura, Yoshihiko Endo, Yoshiki Shiraishi, Wakako Yamasawa, Hidefumi Koh, Sadatomo Tasaka, Hisato Shimada, Yasushi Nakano, Seitaro Fujishima, Kazuhiro Yamaguchi, and Akitoshi Ishizaka

Differential Contribution of β-Adrenergic Receptors Expressed on Radiosensitive Versus Radioresistant Cells to Protection Against Inflammation and Mortality in Murine Endotoxemia

Jill Walker-Brown and Margo R. Roberts

Liver X Receptor Agonist GW3965 Dose-Dependently Regulates LPS-Mediated Liver Injury and Modulates Posttranscriptional TNF-α Production and P38 Mitogen-Activated Protein Kinase Activation in Liver Macrophages

Yun Yong Wang, Maria K. Dahle, Knut R. Steffensen, Finn P. Reinholt, Jon L. Collins, Christoph Thiemermann, Ansgar O. Aasen, Jan-Ake Gustafsson, and Jacob E. Wang

In Vivo IL-18 Supplementation Ameliorates Lethal Acute Lung Injury in Burn-Primed Endotoxemic Mice: A Novel Anti-Inflammatory Role of IL-18

Kazuhiko Sekine, Seitaro Fujishima, Junichi Sasaki, Akitoshi Ishizaka, Sadakazu Aiso, and Naoki Aikawa

Erratum

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COVER: Ki-67 and DAPI staining indicates that NaCl-treated human microvascular endothelial cells (HMEC) are crowded in the center of their wall with few Ki-67+ cells (A). B, BSA-treated HMEC are slightly more spread with few Ki-67+ cells; C, Substance P (SP)-treated HMEC were more spread towards SP and had numerous Ki-67+ cells, and D, HMEC treated with VEGF also spread towards the direction of the agonist and had numerous Ki-67+ cells. See Wang et al, pages 491–497.