SHOCK®

Injury, Inflammation, and Sepsis: Laboratory and Clinical Approaches


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 Commentary

What's New In Shock, September 2011?

Review Article

Modulation of Innate Immunity by Adenosine Receptor Stimulation

Clinical Aspects

Trauma-Activated Polymorphonucleated Leukocytes Damage Endothelial Progenitor Cells: Probable Role of CD11b/CD18-CD54 Interaction and Release of Reactive Oxygen Species

Early Administration of Sivelestat, The Neutrophil Elastase Inhibitor, in Adults for Acute Lung Injury Following Gastric Aspiration

Basic Science Aspects

Peroxisome Proliferator-Activated Receptor γ Agonist Troglitazone Inhibits High Mobility Group Box 1 Expression in Endothelial Cells Via Suppressing Transcriptional Activity of Nuclear Factor κB and Activator Protein 1

Intravenous Infusion of Mesenchymal Stem Cells is Associated with Improved Myocardial Function During Endotoxemia

The Liver as a Central Regulator of Hydrogen Sulfide

Severe Intestinal Ischemia Can Trigger Cardiovascular Collapse and Sudden Death Via a Parasympathetic Mechanism

GITR Gene Deletion and GITR-Fc Soluble Protein Administration Inhibit Multiple Organ Failure Induced by Zymosan

β2-Adrenergic Receptor Antagonist Butoxamine Partly Abolishes the Protection of 100% Oxygen Treatment Against Zymosan-Induced Generalized Inflammation in Mice

TNF-α Decreased Thrombomodulin Expression in Monocytes is Inhibited by Propofol Through Regulation of Tristetraprolin and Human Antigen R Activities
Protective Effect of Caffeine Administration on Myocardial Ischemia/Reperfusion Injury in Rats


The Hydroxylase Inhibitor Dimethyloxallyl Glycine Attenuates Endotoxic Shock Via Alternative Activation of Macrophages and IL-10 Production by B1 Cells

Supplemental Digital Content is available in the text

Vascular and Extravascular Volume Expansion of Dobutamine and Norepinephrine in Normovolemic Sheep

Christopher T. Stephens, Nabeel Uwaydah, George C. Kramer, Donald S. Prough, Michael Salter, and Michael P. Kinsky

Calcineurin Mediates the Protective Effect of Postconditioning on Skeletal Muscle

Xiao-Sun Guo, Yu-Zhen Li, Xiu-Hua Liu, Zhen-Ying Zhang, Feng-Ying Liu, and Wei-Cheng Hu

Letters to the Editor

Adenosine Diphosphate Receptor Antagonist Clopidogrel Sulfate Attenuates LPS-Induced Systemic Inflammation in a Rat Model

To the Editor: Johannes Winning, Ralf A. Claus, Mathias W. Pletz, Michael Bauer, and Wolfgang Lösche

Reply: Satoshi Hagiwara, Hideo Iwasaka, and Takayuki Noguchi

Change in Temperature Profile May Precede Fever and Be an Early Indicator of Sepsis: A Case Report

To the Editor: Nicholas M. Mohr, Richard S. Hotchkiss, Scott T. Micek, Sulaman Durrani, and Brian M. Fuller

Regarding “Change in Temperature Profile May Precede Fever and Be an Early Indicator of Sepsis: A Case Series” by Mohr et al

To the Editor: Peter A. Ward

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COVER: Immunoreactivity for 3-nitrotyrosine (3-N-Tyr), oxidized dihydroethidium (DHE) and the inducible isoform of NO synthase (NOS2) (all in red) in aortic vascular rings. Cell nuclei are stained with DAIP (in blue). See Nin et al., pages 156–161, 2011.