

# SHOCK®

## *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 35, No. 6

June 2011

---

<i>Carol Miller-Graziano</i>	539	<u>Commentary</u> <b>What's New in <i>Shock</i>, June 2011?</b>
<hr/>		
<i>Diamantino Ribeiro Salgado, Xinrong He, Fuhong Su, Dalton Barros de Sousa, Laura Penaccini, Leonardo Kfuri Maciel, Fabio Taccone, José Rodolfo Rocco, Eliézer Silva, Daniel De Backer, and Jean-Louis Vincent</i>	542	<u>Basic Science Aspects</u> <b>Sublingual Microcirculatory Effects of Enalaprilat in an Ovine Model of Septic Shock</b>
<i>Andressa Freitas, José C. Alves-Filho, Silvia Cellone Trevelin, Fernando Spiller, Marina Moreira Suavinha, Daniele Carvalho Nascimento, Cezar Rangel Pestana, Daniela Dal-Secco, Fabiane Sônego, Paula Giselle Czaikoski, Carlos Curti, Christina Barja-Fidalgo, and Fernando Q. Cunha</i>	550	<b>Divergent Role of Heme Oxygenase Inhibition in the Pathogenesis of Sepsis</b> <b>SDC</b> Supplemental Digital Content is available in the text.
<i>Francisco Garcia Soriano, Clara Batista Lorigados, Pal Pacher, and Csaba Szabó</i>	560	<b>Effects of a Potent Peroxynitrite Decomposition Catalyst in Murine Models of Endotoxemia and Sepsis</b>
<i>Zirak Hasan, Karzan Palani, Milladur Rahman, and Henrik Thorlacius</i>	567	<b>Targeting CD44 Expressed on Neutrophils Inhibits Lung Damage in Abdominal Sepsis</b>
<i>Soheyl Bahrami, Christian Benisch, Clara Zifko, Mohammad Jafarmadar, Herbert Schöchl, and Heinz Redl</i>	573	<b>Xylazine-/Diazepam-Ketamine and Isoflurane Differentially Affect Hemodynamics and Organ Injury Under Hemorrhagic/Traumatic Shock and Resuscitation in Rats</b>
<i>Yuzhen Li, Xiuhua Liu, and Fei Rong</i>	579	<b>PUMA Mediates the Apoptotic Signal of Hypoxia/Reoxygenation in Cardiomyocytes Through Mitochondrial Pathway</b>
<i>Yael Nevo-Caspi, Ninette Amariglio, Gideon Rechavi, and Gideon Paret</i>	585	<b>A-to-I RNA Editing is Induced Upon Hypoxia</b>
<i>Himanshu Bhattacharjee, Asha Nadipuram, Stanley Kosanke, Mohammad F. Kiani, and Bob M. Moore II</i>	590	<b>Low-Volume Binary Drug Therapy for the Treatment of Hypovolemia</b>
<i>William W. Muir, Govindasamy Ilangovan, Jay L. Zweier, Paula F. Moon-Massat, and Virginia T. Rentko</i>	597	<b>Vital Organ Tissue Oxygenation After Serial Normovolemic Exchange Transfusion with HBOC-201 in Anesthetized Swine</b>
<i>J. Jason Hoth, Jonathan D. Wells, Elizabeth M. Hiltbold, Charles E. McCall, and Barbara K. Yoza</i>	604	<b>Mechanism of Neutrophil Recruitment to the Lung After Pulmonary Contusion</b>
<i>Daniel H. Seitz, Annette Palmer, Ulrike Niesler, Sonja T. Braumüller, Simon Bauknecht, Florian Gebhard, and Markus W. Knöferl</i>	610	<b>Altered Expression of Fas Receptor on Alveolar Macrophages and Inflammatory Effects of Soluble Fas Ligand Following Blunt Chest Trauma</b>
<i>Wei Wu, Qiaobing Huang, Fei He, Mingjia Xiao, Shiyu Pang, Xiaohua Guo, Ulf T. Brunk, Kesen Zhao, and Ming Zhao</i>	618	<b>Roles of Mitogen-Activated Protein Kinases in the Modulation of Endothelial Cell Function Following Thermal Injury</b>

---

---

<i>Matthias Lange, Atsumori Hamahata, Perenlei Enkhbaatar, Robert A. Cox, Yoshimitsu Nakano, Martin Westphal, Lillian D. Traber, David N. Herndon, and Daniel L. Traber</i>	626	<b>Beneficial Effects of Concomitant Neuronal and Inducible Nitric Oxide Synthase Inhibition in Ovine Burn and Inhalation Injury</b>
<i>Nathalie Dehne, Uta Kerkweg, Stefanie B. Flohé, Bernhard Brüne, and Joachim Fandrey</i>	632	<b>Activation of Hypoxia-Inducible Factor 1 in Skeletal Muscle Cells After Exposure to Damaged Muscle Cell Debris</b>
<hr/>		
<i>Charles E. Wade and René M. Sauer</i>	639	<b><u>Editorial Comment</u> Combination Therapeutics: A New Research Frontier in Shock and Trauma</b>

---

**SHOCK® is abstracted and/or indexed in *Index Medicus*, MEDLINE, Current Contents®/Life Sciences, Science Citation Index®, SciSearch®, Research Alert®, the Biochemistry & Biophysics Citation Index™, and Reference Update  
Current Impact Factor 2.871**

Instructions for Authors are available online at [http://journals.lww.com/shockjournal/Documents/SHOCK\\_IFA.pdf](http://journals.lww.com/shockjournal/Documents/SHOCK_IFA.pdf)  
and are printed in the June and December issues of the journal.

**COVER:** Representative examples of histologic examinations, showing incidence of necrosis (circles) in kidney of hemorrhage/trauma and resuscitative rats under ketamine/diazepam (K/D), ketamine/xylazine (K/K), or isoflurane (ISO). See Bahrami et al., pages 573–578, 2011.