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 37, No. 3

March 2012

Joanne L. Lomas-Neira and Alfred Ayala	239	<u>Commentary</u> What's New in <i>Shock</i> , March 2012?
Yoonmi Seok, Jong Rak Choi, Juwon Kim, Young Keun Kim, Jongwook Lee, Jaewoo Song, Sue Jeong Kim, and Kyung-A Lee	242	 <u>Rapid Communication</u> Delta Neutrophil Index: A Promising Diagnostic and Prognostic Marker for Sepsis Supplemental Digital Content is available in the text.
Walter J. Brummelhuis, Jaap A. Joles, Jord Stam, C. Theo Verrips, and Branko Braam	247	<u>Review Article</u> Biological and Technical Considerations Regarding the Removal of Bacteriotoxins in Sepsis with Emphasis on Toxic Shock Syndrome Toxin 1
Robert D. Winfield, Matthew J. Delano, Alex G. Cuenca, Juan C. Cendan, Lawrence Lottenberg, Philip A. Efron, Ronald V. Maier, Daniel G. Remick, Lyle L. Moldawer, and Joseph Cuschieri	253	<u>Clinical Aspects</u> Obese Patients Show a Depressed Cytokine Profile Following Severe Blunt Injury Supplemental Digital Content is available in the text.
Anthony M. Napoli, Loren D. Fast, Fenwick Gardiner, Martha Nevola, and Jason T. Machan	257	Increased Granzyme Levels in Cytotoxic T Lymphocytes are Associated with Disease Severity in Emergency Department Patients with Severe Sepsis
Huijuan Wang, Kun Meng, Wei jun Chen, Dan Feng, Yanhong Jia, and Lixin Xie	263	Serum MiR-574-5p: A Prognostic Predictor of Sepsis Patients
Frank M.P. van Haren, James Sleigh, E. Christiaan Boerma, Mary La Pine, Mohamed Bahr, Peter Pickkers, and Johannes G. van der Hoeven	268	Hypertonic Fluid Administration in Patients with Septic Shock: A Prospective Randomized Controlled Pilot Study
Jordan A. Weinberg, Paul A. MacLennan, Marianne J. Vandromme-Cusick, Jonathan M. Angotti, Louis J. Magnotti, Jeffrey D. Kerby, Loring W. Rue III, Scott R. Barnum, and Rakesh P. Patel	276	Microvascular Response to Red Blood Cell Transfusion in Trauma Patients
		Basic Science Aspects
Zirak Hasan, Karzan Palani, Milladur Rahman, Su Zhang, Ingvar Syk, Bengt Jeppsson, and Henrik Thorlacius	282	Rho-Kinase Signaling Regulates Pulmonary Infiltration of Neutrophils in Abdominal Sepsis Via Attenuation of cxc Chemokine Formation and Mac-1 Expression on Neutrophils
Hsiu-Wen Hsiao, Ke-Li Tsai, Li-Fang Wang, Yen-Hsu Chen, Pei-Chi Chiang, Shu-Mien Chuang, and Chin Hsu	289	The Decline of Autophagy Contributes to Proximal Tubular Dysfunction During Sepsis
Marisol Chang, Erik B. Kistler, and Geert W. Schmid-Schönbein	297	Disruption of the Mucosal Barrier During Gut Ischemia Allows Entry of Digestive Enzymes Into the Intestinal Wall
Binu Tharakan, Joseph Hellman, Devendra A. Sawant, John H. Tinsley, Alan R. Parrish, Felicia A. Hunter, W. Roy Smythe, and Ed W. Childs	306	β-Catenin Dynamics in the Regulation of Microvascular Endothelial Cell Hyperpermeability

Volume 37, No. 3

Yu-Ting Tseng, Ya-Yun Hsu, Yu-Tzu Shih, and Yi-Ching Lo	312	Paeonol Attenuates Microglia-Mediated Inflammation and Oxidative Stress–Induced Neurotoxicity in Rat Primary Microglia and Cortical Neurons
Mohammad Fahim, Lie Gao, Tarek M. Mousa, Dongmei Liu, Kurtis G. Cornish, and Irving H. Zucker	319	Abnormal Baroreflex Function is Dissociated from Central Angiotensin II Receptor Expression in Chronic Heart Failure
Jianzhong An, Jianhai Du, Na Wei, Tongju Guan, Amadou K.S. Camara, and Yang Shi	325	Differential Sensitivity to LPS-Induced Myocardial Dysfunction in the Isolated Brown Norway and Dahl S Rat Hearts: Roles of Mitochondrial Function, NF-κB Activation, and TNF-α Production
Jun Wang, Qi Long, Wen Zhang, and Nan Chen	333	Protective Effects of Exogenous Interleukin 18–Binding Protein in a Rat Model of Acute Renal Ischemia-Reperfusion Injury

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 3.203

Instructions for Authors are available online at http://journals.lww.com/shockjournal/Documents/SHOCK_IFA.pdf and will be printed in the January and June issues of the journal.

COVER: Perinuclear accumulation of β -catenin following adherens junction disruption. Immunofluorescence localization of β -catenin following transference with active caspase 3 demonstrating accumulation of β -catenin at 1 h. See Tharakan et al., pages 306–311, 2012.