CRITICAL CARE

A-454  Room F, 10/17/2000 9:00 AM - 11:00 AM (PS)  
Anti-TNF Treatment Reduces Mortality during E. coli but Not during an Equally Severe S. aureus Pneumonia W. Karzai, MD; B. Mollborn, MD; F. Bloos, MD; PdD; K. Reinbart, MD, Department of Anesthesiology University Hospital, Jena, Germany. We treated rats during S.aureus or E.coli pneumonia with anti-TNF serum. Anti-TNF serum improved survival during E.coli but not during S.aureus pneumonia.

A-455  Room F, 10/17/2000 9:00 AM - 11:00 AM (PS)  
Leukocyte Activation during Hemofiltration Sibyle A. Kozek, MD; Andrea Michalek, MD; Christian K. Spiss, MD; Burkhard Gustorff, MD; Michael Zimpfer, MD, Anesthesiology and General Intensive Care, University of Vienna, Vienna, Austria. Leukocytes are activated during continuous venovenous hemofilters under heparin anticoagulation with and without prostaglandin infusion.

A-456  Room F, 10/17/2000 9:00 AM - 11:00 AM (PS)  
Role of Nitric Oxide in Lipopolysaccharide-Induced Acute Lung Injury and Lipid Peroxidation in Rats Kyoung M. Lee, MD, PhD; Hee U. Kweon, MD; Kong B. Im, MD; Jong T. Park, MD; No Kwak, MD, Anesthesiology and Crit Care Med, Konkuk University Hospital, Daegu, Korea. Inhibition of the increase of nitric oxide by L-NIL in septic rats may increase lipid peroxidation and worsen lung injury.

A-457  Room F, 10/17/2000 9:00 AM - 11:00 AM (PS)  
Acadesine Attenuates Ischemia-Reperfusion Lung Injury by an Adenosine Mediated Mechanism Ildi Matos, MD; Oded Jurim, M.D.; Anesthesiology and Critical Care Medicine, Hadassah Hebrew University Medical Center, Jerusalem, Israel. In intact chest cats acadesine attenuated lung reperfusion injury. The adenosine receptor blocker 8-p-sulphophenyltheophylline blocked this effect of acadesine.

A-458  Room F, 10/17/2000 9:00 AM - 11:00 AM (PS)  
 Alterations in Endogenous Histamine Production and Histamine Receptor Density at Transcriptional Levels Are Related to Hemodynamic Changes during Septic Shock Naoyuki Matsuda, MD; Yuichi Hattori, MD; PhD; Osamu Kemenosato, MD; PhD; Satoshi Gando, MD, PhD, M.D., Anesthesiology and Critical Care & Pharmacology, Hokkaido University School of Medicine, Sapporo, Hokkaido, Japan. Increased histamine receptors mRNA.

A-459  Room F, 10/17/2000 9:00 AM - 11:00 AM (PS)  
Evaluation of a Semiquantitative Point of Care Test for the Rapid Measurement of Procalcitonin Michael Meisner, MD; Joachim Schmidt, MD; F.M. Brunkhorst, MD; Konrad Reinbart, MD, Dpt. of Anesthesiology, Univ. of Jena, Jena, Germany. In this study the validity of the new semiquantitative Procalcitonin immunochromatographic assay was evaluated in comparison to the quantitative Lumitest®PCT.

A-460  Room F, 10/17/2000 9:00 AM - 11:00 AM (PS)  
Nafamostat Attenuates Septic Shock and Acute Lung Injury in Sheep Kazunori Murakami, MD, PhD; Roy McGuire, MS; Kazutaka Soejima, MD; Lilian D. Traber, RN; Daniel L. Traber, PhD, Department of Anesthesiology, University of Texas Medical Branch, Galveston, TX, United States. Nafamostat inhibited not only coagulation abnormalities but also hypotension and acute lung injury induced by sepsis in sheep.

A-461  Room F, 10/17/2000 9:00 AM - 11:00 AM (PS)  
Initial Decrease and Sustained Depression of HLA-DR Expression on Monocytes Is Predictive of Outcome in SIRS and Sepsis A. Nierhaus, MD; B. Montag; D. Frings; C. Schneider, MD; J. Schulte am Esch, MD, Anesthesiology. University Hospital, Hamburg, Germany. In 38 ICU-patients with SIRS/sepsis decrease and course of HLA-DR expression on monocytes correlated significantly with mortality.

A-462  Room F, 10/17/2000 9:00 AM - 11:00 AM (PS)  
Endotoxin-Induced Acute Renal Failure in Rats: Expression of Renal Aquaporines and Effects of Phosphodiesterase Type 3 and 4 Inhibitors Nieds V. Olsen, D.M.Sc.; Martin Graabe, Medical student; Thomas Jonassen, Research fellow; Soren Nielsen, D.M.Sc.; Sten Christensen, D.M.Sc., Department of Neuroanaesthesia, Copenhagen University Hospital, Copenhagen, Denmark. Milrinone and Ro-20-1724 aggravated LPS-induced renal failure.

A-463  Room F, 10/17/2000 9:00 AM - 11:00 AM (PS)  
Is Procalcitonin Superior to C-Reactive Protein to Predict Persistent Postoperative Intraabdominal Sepsis? Catherine Pauwamburts, MD; Christophe Vuad, MD; Monique Deboux, MD; Philippe Dupont, MD; Jean Mantz, PM, PhD, Anesthesiology, Hopital Bichat, Paris, France. Procalcitonin and C-Reactive Protein do not help to predict persistent intraabdominal sepsis in critically ill patients.

A-464  Room F, 10/17/2000 9:00 AM - 11:00 AM (PS)  
The Effect of Circulating Cytokines during Septic Shock on Traumatic Memories in Survivors Gustav Schelling, MD; Christian Stoll, MD; Marianne Jochem, MD; Cornelio Göppert-Steppert, MD; Josef Brüggen, MD, Anesthesiology, Ludwig-Maximilians University, Munich, Germany. IL-25sR was associated with nightmares/hallucinations and IL-6/IL8 with memories of severe pain or respiratory distress.

A-465  Room F, 10/17/2000 9:00 AM - 11:00 AM (PS)  
iNOS-Inhibition with L-NIL, but Not L-NAME Reduces Plasma Nitrate to Control Levels in a Septic Rat Model Mike Schremer, MS; Lars G. Fischer, MD; Volker Vrbanek, MS; George F. Rich, MD,PhD, Anesthesiology, University of Virginia, Charlottesville, VA, United States. Selective iNOS inhibiton with LNIL but not nonselective with L-NAME reduced nitrate plasma concentrations to control levels.

A-466  Room F, 10/17/2000 9:00 AM - 11:00 AM (PS)  
Sevoflurane Provides Preconditioning-Like Cardioprotective Effects on Septic Rat Myocardium Kyobel Serita, MD; Junya Osbida, MD; Yoshifumi Katoke, MD; Junzo Takeda, MD; Hiroshi Moriski, MD, Anesthesiology, Kasumigaura National Hospital, Tsuchiiura, Ibaraki, Japan. In an isolated working heart from septic rat, preexposure of sevoflurane before ischemia preserved myocardial function.

A-467  Room F, 10/17/2000 9:00 AM - 11:00 AM (PS)  
iNOS Inhibitors Prevent LPS-Induced Hyperglycemia and Insulin Resistance in Rats H. Sugita, MD; M. Kaneki, MD, PhD; S. Yasuhara, MD, PhD; M. Sugiya, MD, PhD; J. Martyn, MS, Gen. Hosp., Harvard Medical School, Boston, MA, United States. Insulin resistance and muscle wasting occur in critical illness. Inhibitor of inducible nitric oxide (iNOS), aminoguanidine, decreased LPS-induced insulin resistance in rats.