

**PAPERS READ BEFORE THE EIGHTH ANNUAL MEETING OF THE SURGICAL INFECTION SOCIETY, SAN FRANCISCO, MAY 5 TO MAY 6, 1988**

- Priorities for Surveillance and Cost-effective Control of Postoperative Infection** ..... 1305  
Gladys B. Penin, MPH, N. Joel Ehrenkrantz, MD, Miami  
  - Surveillance of specific operations in which infection prolongs hospitalization the most should be stressed.
- Depressed Interferon Gamma Production and Monocyte HLA-DR Expression After Severe Injury** ..... 1309  
David H. Livingston, MD; Sarah H. Appel; Samuel R. Wellhausen, PhD; Gerald Sonnenfeld, PhD;  
Hiram C. Polk, Jr, MD, Louisville  
  - Failure to increase interferon gamma production and monocyte antigen expression was associated with infection in patients.
- Increased Intestinal Permeability Associated With Infection in Burn Patients** ..... 1313  
Thomas R. Ziegler, MD; Robert J. Smith, MD; Sarah T. O'Dwyer, FRCS; Robert H. Demling, MD;  
Douglas W. Wilmore, MD, Boston  
  - Intestinal mucosa permeability to lactulose increased as the severity of infection increased in burn patients.
- Risk of Infection After Open Fracture of the Arm or Leg** ..... 1320  
E. Patchen Dellinger, MD, Seattle; Stephen D. Miller, MD, Calgary, Alberta, Canada;  
Margaret J. Wertz, MN, RN, Seattle; Martin Grypma, MD, Calgary, Alberta, Canada;  
Beth Droppert, RN, Paul A. Anderson, MD, Seattle  
  - Prevention of infection depends more on local wound care than on antibiotics.
- Recombinant Human Tumor Necrosis Factor Increases Granulocyte Cell-Surface Complement Receptor Number** ..... 1333  
Donald Reed, Francis D. Moore, Jr, MD, Boston  
  - Tumor necrosis factor could be a mediator of granulocyte activation in patients.
- Endotoxin Causes Hydrogen Peroxide-Induced Lung Lipid Peroxidation and Prostanoid Production** ..... 1337  
Robert Demling, MD; Cheryl Lalonde; Andreas Seekamp, MD; Nicholas Fiore, Boston  
  - Hydrogen peroxide release played a major role in the lung injury caused by endotoxin in this sheep model.
- The Natural History of Murine Intra-abdominal Abscess Formation** ..... 1342  
William G. Cheadle, MD; Michael J. Hershman, FRCS; James D. Pietsch; William A. Logan;  
Hiram C. Polk, Jr, MD, Louisville  
  - Abscess formation after peritonitis may be beneficial by limiting the process.
- Lymph Node Biopsy in Patients With Human Immunodeficiency Virus Infections** ..... 1349  
John Mihran Davis, MD; Amy Chadburn, MD; Janet A. Mouradian, MD, New York  
  - Lymph node follicle depletion was associated with a poor prognosis in AIDS patients.
- Recombinant Human Granulocyte Colony-Stimulating Factor and Pseudomonas Burn Wound Sepsis** ..... 1353  
David P. Mooney, MD; Richard L. Gamelli, MD; Michael O'Reilly; James C. Hebert, MD, Burlington, Vt  
  - Granulocyte colony-stimulating factor improved myelopoietic activity and mean survival time in a murine, infected burn model.

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Rodney D. Berg, PhD; Ellen Wommack, MD; Edwin A. Deitch, MD, Shreveport, La  
● Prednisone and an oral antibiotic increased intestinal bacterial translocation and produced lethal sepsis in this animal model.

**Effect of Bacteremia on Mortality After Thermal Injury** ..... 1367  
Kevin Sittig, MD, Edwin A. Deitch, MD, Shreveport, La  
● Larger burn size, inhalation injury, and polymicrobial or gram-negative bacteremia were associated with increased mortality.

**Effect of Interleukin 2 on Kupffer Cell Activation: Interleukin 2 Primes and Activates Kupffer Cells to Suppress Hepatocyte Protein Synthesis In Vitro** ..... 1373  
Ronald D. Curran, MD; Timothy R. Billiar, MD; Michael A. West, MD; Brandon G. Bentz; Richard L. Simmons, MD, Minneapolis  
● Interleukin 2 increased the sensitivity of Kupffer's cells to endotoxin.

**Lymphocyte Phenotype and Function Changes in Burn Patients After Intravenous IgG Therapy** ..... 1379  
David G. Bureson, PhD; Arthur D. Mason, Jr, MD; Albert T. McManus, PhD; Basil A. Pruitt, Jr, MD, San Antonio, Tex  
● Immunoglobulin administration in burn patients increased serum IgG and decreased the number of B lymphocytes but had no effect on mortality or morbidity.

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Michael A. Marano, MD; Lyle L. Moldawer, PhD; Yuman Fong, MD; He Wei, MD; Joseph Minei, MD; Roger Yurt, MD; Anthony Cerami, PhD; Stephen F. Lowry, MD, New York  
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Jane Shelby, Garrett Hisatake, Salt Lake City  
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Michael A. West, MD, St Louis; Timothy R. Billiar, MD, Pittsburgh; John E. Mazuski, MD, Minneapolis; Ronald J. Curran, MD, Pittsburgh; Frank B. Cerra, MD, Minneapolis; Richard L. Simmons, MD, Pittsburgh  
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Michael S. Dahn, MD; M. Patricia Lange, MSN; Lloyd A. Jacobs, MD, Allen Park, Mich  
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Hideko Arita, MD; Cora K. Ogle, PhD; J. Wesley Alexander, MD, ScD; Glenn D. Warden, MD, Cincinnati  
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● With peritonitis, skeletal muscle phosphocreatine decreased but adenosine triphosphate levels were maintained.

**Effect of Prostaglandin E on Immune Function in Multiple Animal Models** ..... 1429  
J. Paul Waymack, MD, Cincinnati; Roger W. Yurt, MD, New York  
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