

**PAPERS READ BEFORE THE THIRD ANNUAL MEETING OF THE SURGICAL
INFECTION SOCIETY, FORT LAUDERDALE, FLA, MAY 7-10, 1983—PART I**

Ashley A. Miles and the Prevention of Infection Following Surgery: Presidential Address	17
John F. Burke, MD, Boston	
Risk of Infection Following Laparotomy for Penetrating Abdominal Injury	20
E. Patchen Dellinger, MD; Michael R. Oreskovich, MD; Margaret J. Wertz, MN, RN; Victor Hamasaki; E. Stan Lennard, MD, ScD, Seattle Colon injury was the most important risk factor in trauma-related infections and increased the mortality.	
Gas-Liquid Chromatography for Rapid Diagnosis of Intra-abdominal Infection	28
Carol A. Spiegel, PhD; Mark A. Malangoni, MD; Robert E. Condon, MD, Milwaukee The presence of succinate or volatile acids in abdominal fluid indicates the presence of fecal anaerobic organisms.	
The Effect of Plasma Exchange on Lymphocyte Suppression After Burn	33
John L. Ninnemann, PhD; Robert J. Stratta, MD; Glenn D. Warden, MD; Jeffrey R. Saffle, MD; Mark E. Weber, Salt Lake City Plasma exchange in burned patients decreased the suppression by burn serum of mixed lymphocyte culture.	
Neutrophil Function in Surgical Patients: Relationship to Adequate Bacterial Defenses	39
Vincent Buffone; Jonathan L. Meakins, MD, DSc; Nicolas V. Christou, MD, PhD, Montreal Patients with suppressed polymorphonuclear leukocyte chemotaxis were more susceptible to infection.	
Alterations in Hepatic Water and Electrolyte Balance in Sepsis	44
Mark G. Clemens, PhD; Irshad H. Chaudry, PhD; Arthur E. Baue, MD, New Haven, Conn Animals with peritonitis did not have the electrolyte changes of hepatic cellular ischemia.	
Skin Testing: A Valuable Predictor in Thermal Injury?	49
John P. Hegggers, PhD, Martin C. Robson, MD, Chicago; John O. Kucan, MD, Albuquerque; Aileen Jellema, RN, Jane Osborne, RN, Chicago Totally anergic patients were no more likely to die of sepsis than normally responsive patients.	
Inhibition of Bacterial Clearance in the Guinea Pig by Fluid-Phase C3b	57
Cora K. Ogle, PhD; James D. Ogle, PhD; J. Wesley Alexander, MD, ScD, Cincinnati An activation product of complement has an opsonic function when attached to bacteria but may inhibit neutrophils if it is free in solution.	
Potential for Endotoxin-Activated Kupffer's Cells to Induce Microvascular Thrombosis	62
Ronald V. Maier, MD, Greg B. Hahnel, MS, Seattle Endotoxin induced procoagulant activity in Kupffer's cells.	

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ADVERTISING PRINCIPLES: Each advertisement in this issue has been reviewed and complies with the principles governing advertising in AMA scientific publications. A copy of these principles is available on request.

Effect of Abdominal Operations on Survival After Septic Challenge in Normal Rats	71
Val Selivanov, MD, George F. Sheldon, MD, San Francisco	
Prior intra-abdominal operations improved survival from hemoglobin- <i>Escherichia coli</i> peritonitis challenges.	
Role of Oxygen Radicals In Endotoxin-Induced Lung Injury	77
Catherine Wong, MD, Davis, Calif; John Flynn, PhD, Philadelphia; Robert H. Demling, MD, Boston	
Oxygen radical release, most likely from neutrophils, occurs with endotoxin and can increase pulmonary vascular permeability.	
Sequential Prospective Analysis of the Nonspecific Host Defense System After Thermal Injury	83
Edwin A. Deitch, MD; Frank Gelder, PhD; John C. McDonald, MD, Shreveport, La	
Only a decrease in neutrophil bactericidal activity or secondary depression of fibronectin was associated with the onset of sepsis.	
Acquired Immune Deficiency Syndrome: A Surgical Perspective	90
John M. Davis, MD; Janet Mouradian, MD; Richard D. Fernandez, MD; Susanna Cunningham-Rundles, PhD; Craig E. Metroka, MD, PhD, New York	
Lymph node biopsies were required because of persistent lymphadenopathy with follicular hyperplasia found in most such patients.	
<i>Staphylococcus epidermidis</i> Sepsis in Surgical Patients	96
Kenneth W. Burchard, MD; Lloyd B. Minor, MD; Gus J. Slotman, MD; Donald S. Gann, MD, Providence, RI	
<i>Staphylococcus epidermidis</i> infection was associated with gastrointestinal tract operations, parenteral nutrition, and two or more parenteral antibiotics.	
Aortofemoral Graft Infection due to <i>Staphylococcus epidermidis</i>	102
Dennis F. Bandyk, MD, Wood, Wis; George A. Beraï, MD, Brian L. Thiele, MD, Seattle; Jonathan B. Towne, MD, Wood, Wis	
<i>Staphylococcus epidermidis</i> infections appear late and produce anastomotic pseudoneurysms, inguinal sinus tracts, or gastrointestinal tract bleeding.	
Trials on Trial: A Review of Trials of Antibiotic Prophylaxis	109
Mary Evans, Alan V. Pollock, MB, ChB, FRCS, Scarborough, England	
Most articles on random-control clinical trials of prophylactic antibiotics that were reviewed had defects in design, analysis, or presentation.	
Anergy Secondary to Sepsis in Rats: Relation to Outcome	117
John M. Bohnen, MD, FRCS(C); Nicolas V. Christou, MD, PhD, FRCS(C); Louise Chiasson; Irving W. DeVoe, PhD; Jonathan L. Meakins, MD, DSc, FRCS(C), FACS, Montreal	
Anergy was demonstrated 24 hours after initiation of peritonitis and 90% of such animals died or had abscesses compared with 10% that maintained skin reactivity.	

REGULAR DEPARTMENTS

Consultants	121
Calendar of Events	124
Index to Advertisers	116

Instructions for Authors See December 1983 Issue, p 1369