

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

- Fibrin in Peritonitis: IV. Synergistic Intraperitoneal Infection Caused by *Escherichia coli* and *Bacteroides fragilis* Within Fibrin Clots** 139
David L. Dunn, MD; Ori D. Rotstein, MD; Richard L. Simmons, MD, Minneapolis
Increased mortality occurred when large numbers of both organisms were implanted together.
- Mechanisms of Adrenocortical Depression During *Escherichia coli* Shock** 145
Richard D. Catalano, MD; Venkateswaran Parameswaran, PhD;
Janakiraman Ramachandran, PhD; Donald D. Trunkey, MD, San Francisco
Plasma from rabbits injected with *E coli* impaired corticotropin binding, cyclic adenosine monophosphate production, and corticosterone production by rat adrenocortical cells.
- Early Portal Anaerobic Bacteremia in Mesenteric Ischemia** 151
Robert S. Bennion, MD, Los Angeles; Samuel E. Wilson, MD,
Russell A. Williams, MD, Torrance, Calif
Acute colonic ischemia promotes an overgrowth of anaerobic bacteria which then invade the portal and later the systemic circulation.
- Phagocytic Cell Function in Response to Immunosuppressive Therapy** 156
David B. Drath, PhD, Barry D. Kahan, PhD, MD, Houston
Immunosuppressive agents inhibited chemotaxis but largely spared other nonspecific elements of host defense.
- Effects of Vitamin A and Beta Carotene on Intra-abdominal Sepsis** 161
Achilles A. Demetriou, MD, PhD; Israel Franco, MD; Staffan Bark, MD;
Giuseppe Rettura, PhD; Eli Seifter, PhD; Stanley M. Levenson, MD, Bronx, NY
Vitamin A dietary supplementation improved survival in animals with peritonitis.
- Promotion by Burn Stress of the Translocation of Bacteria From the Gastrointestinal Tracts of Mice** 166
Kazuyoshi Maejima, PhD, Tokyo; Edwin Deitch, MD, Rodney Berg, PhD, Shreveport, La
The number of organisms going from the colon to nodes and other organs increased as burn size increased.
- Comparative Pulmonary Effects of Intraperitoneal Inoculation of Live v Dead *Escherichia coli*** 173
Roderick A. Barke, MD; David L. Dunn, MD; Agustin P. Dalmasso, MD;
John A. Johnson, MD, PhD; Richard Simmons, MD; Edward W. Humphrey, MD, PhD, Minneapolis
Live *Escherichia coli* peritoneal contamination produced progressive hypoxemia, which did not occur with dead organisms.
- Increased Susceptibility to Infection Related to Extent of Burn Injury** 183
Roger W. Yurt, MD; Albert T. McManus, PhD; Arthur D. Mason, Jr, MD;
COL Basil A. Pruitt, Jr, MC, USA, Fort Sam Houston, Tex
A partial-thickness burn wound was resistant to *Pseudomonas* inoculation unless the animal had an additional full-thickness burn injury elsewhere.
- The Role of Prostacyclin and Thromboxane in Sepsis and Septic Shock** 189
Richard H. Carmona, MD; Tanny C. Tsao, MS; Donald D. Trunkey, MD, San Francisco
Although prostaglandin I₂ production is decreased and thromboxane A₂ is increased in septic shock, they do not seem responsible for the myocardial depression that occurs.

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 A low cross-linked corn starch is absorbable and safe for surgical glove powder.
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