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EDITORIAL

- The Surgical Infection Society** **1365**
 Claude H. Organ, Jr, MD, Oakland, Calif

COMMENTARIES

- Anti-Antivivisection: Have We Waited Too Long?** **1366**
 Dwight E. Harken, MD, Boston, Mass, Alden H. Harken, MD, Denver, Colo
- Ongoing 'Threats' to Biliary Surgery** **1368**
 Avram M. Cooperman, MD, Jerome Siegel, MD, Hillel Hammerman, MD,
 Richard Neff, MD, New York, NY

ORIGINAL ARTICLES

- Cosmesis and Local Control After Irradiation in Women Treated Conservatively for Breast Cancer** **1369**
 Richard A. Steeves, MD, PhD; Pramook Phromratanapongse, MD; William H. Wolberg, MD;
 Douglass C. Tormey, MD, PhD, Madison, Wis

Invited Commentary: Maurice J. Jurkiewicz, MD, Atlanta, Ga

- Lumpectomy followed by radiation therapy provides good cosmetic results without compromising the local control rate; if adjuvant chemotherapy is planned, it should be administered before radiotherapy.

- Current Results of Treatment for Distant Metastatic Well-Differentiated Thyroid Carcinoma** **1374**
 William J. Wood, Jr, MD; S. Eva Singletary, MD; Robert C. Hickey, MD, Houston, Tex

Invited Commentary: Thomas S. Reeve, MB, FRACS, FACS, Sydney, Australia

- Patients with well-differentiated thyroid cancer having more than one site of metastasis or whose metastasis arose less than 5 years after treatment have a shorter survival time.

**PAPERS READ BEFORE THE NINTH ANNUAL MEETING OF THE SURGICAL
 INFECTION SOCIETY, DENVER, COLO, APRIL 13 TO APRIL 14, 1989**

- Oxygen Delivery in Patients With Adult Respiratory Distress Syndrome
 Who Undergo Surgery: Correlation With Multiple-System Organ Failure** **1378**

H. Gill Cryer, MD, PhD; J. David Richardson, MD; Sarah Longmire-Cook, MD; C. Matthew Brown, MD, Louisville, Ky

- Optimization of oxygen delivery and alveolar-arterial oxygen gradient after adult respiratory distress syndrome onset may improve survival.

- The Incidence of Decreased Red Blood Cell Deformability in Sepsis and the Association
 With Oxygen Free Radical Damage and Multiple-System Organ Failure** **1386**

George W. Machiedo, MD; Richard J. Powell, MD; Benjamin F. Rush, Jr, MD;

Norbert I. Swislocki, PhD; George Dikdan, MS, Newark, NJ

- Free radicals generated during sepsis may play a role in decreased red blood cell deformability contributing to multiple-system organ failure.

- Development of a Bacteria-Independent Model of the Multiple Organ Failure Syndrome** **1390**

Steven Steinberg, MD; William Flynn, MD; Kathy Kelley, MD; Lon Bitzer, MD; Pramod Sharma;
 Cynthia Gutierrez; James Baxter, PharmD; David Lalka, PhD; Amy Sands, MD; Judy Van Liew, PhD;
 James Hassett, MD; Ray Price, PhD; Thomas Beam, MD; Lewis Flint, MD, Buffalo, NY

Invited Commentary: H. Harlan Stone, MD, Cleveland, Ohio

- A model has been designed to study multiple organ failure that reproduces the histopathophysiology.

- Glutamine-Supplemented Total Parenteral Nutrition Improves Gut Immune Function** **1396**

David J. Burke, MD; John C. Alverdy, MD; Eric Aoy; Gerald S. Moss, MD, Chicago, Ill

- Glutamine-supplemented TPN protects against bacterial translocation from the gut with standard formulas, an effect which may be mediated by S-IgA.

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Elisabetta Ferrari-Baliviera, MD; Kenneth Mealy, FRCSI; Robert J. Smith, MD; Douglas W. Wilmore, MD, Boston, Mass	
● Sublethal doses of tumor necrosis factor in a rat model induce adult respiratory distress syndrome and increase the work potential of respiration.	
Delayed Administration of Tissue Plasminogen Activator Reduces Intra-abdominal Abscess Formation	1406
Donna I. McRitchie, MD; Derek Cummings; Ori D. Rotstein, MD, Toronto, Canada	
● Delayed administration of tissue plasminogen activator is effective in preventing abscess formation and may have clinical implications with delayed surgical intervention.	
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Carl I. Price, MD, Oklahoma City, Okla; Jureta W. Horton, PhD, Charles R. Baxter, MD, Dallas, Tex	
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Timothy R. Billiar, MD, Ronald D. Curran, MD, Pittsburgh, Pa; Michael A. West, MD, PhD, St Louis, Mo; Klaus Hofmann, PhD, Richard L. Simmons, MD, Pittsburgh, Pa	
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Henri R. Ford, MD; Rosemary A. Hoffman; Edward J. Wing, MD; D. Mitchell Magee, PhD; Lori McIntyre; Richard L. Simmons, MD, Pittsburgh, Pa	
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Wolfgang Ertel, MD; Eugen Faist, MD; Carolin Nestle, MD; Isabell Schuebel; Martin Storck, MD; Friedrich Wilhelm Schildberg, MD, Munich, West Germany	
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John Mihran Davis, MD; Roger W. Yurt, MD; Philip S. Barie, MD; Lisa C. Hudgins, MD; Madhu Verma, MA; Peter Dineen, MD; G. Tom Shires, MD, New York, NY	
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Albert T. McManus, PhD; Arthur D. Mason, Jr, MD; William F. McManus, MD; Basil A. Pruitt, Jr, MD, San Antonio, Tex	
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John T. Vetto, MD; Peter S. Richman, MD; Kirby Kariger; Edward Passaro, Jr, MD, Los Angeles, Calif	
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