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Herbert B. Greenlee, MD; Richard A. Prinz, MD, Maywood, Ill
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Elizabeth M. Ashworth, MD, Michael C. Dalsing, MD, Indianapolis;
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Sally Baughman, Indianapolis; John L. Glover, MD, Royal Oak, Mich
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Penetrating Arterial Trauma: Analysis of Missed Vascular Injuries 678
 J. David Richardson, MD, Gary C. Vitale, MD, Louisville; Lewis M. Flint, Jr, MD, Buffalo
 Arteriography in selected stable patients is a safe alternative to operative exploration.

Thyroid Neoplasia Following Radiation Therapy for Hodgkin's Lymphoma 684
 Christopher McHenry, MD; Harriet Jarosz; David Calandra, MD;
 Anne McCall, MD; A. M. Lawrence, MD, PhD; Edward Paloyan, MD, Maywood, Ill
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Intraoperative Implantation Radiation Therapy Plus Lumpectomy for Carcinoma of the Breast 687
 William R. Jewell, MD; Leela Krishnan, MD; Eshwar K. Reddy, MD;
 James H. Thomas, MD, Kansas City, Kan; Carl M. Mansfield, Philadelphia
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Management of Perforated Appendicitis in Children—Revisited 691
 Scott L. Samelson, MD, Herman M. Reyes, MD, Chicago
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 are advocated during appendectomy for perforated appendicitis.

Lymphocyte Function and Abdominal Operations: Trauma vs Elective Surgery 697
 David V. Feliciano, MD; Ronald B. O'Gorman, MD, PhD; Carmel G. Bitondo, PAC;
 Pamela A. Cruse, PAC; Randall H. Matthews, MD, PhD; Kathleen S. Matthews, PhD, Houston
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 but not following elective abdominal operations.

Repeated Laparotomy for Postoperative Intra-abdominal Sepsis: An Analysis of Outcome Predictors 702
 John A. Butler, MD; Jason Huang; Samuel E. Wilson, MD, Torrance, Calif
 CT scanning followed by percutaneous aspiration of
 suspicious collections is recommended.

Cutaneous Thick Melanoma: Prognosis and Treatment 707
 Shlomo Schneebaum, MD; Henry A. Briele, MD; Michael J. Walker, MD; John Greager, MD;
 Donald K. Wood, MD; Salve G. Ronan, MD; Minu K. Patel, MS; Tapas K. Das Gupta, MD, PhD, Chicago
 Melanomas greater than 3 mm thick have a 30% incidence of involved regional lymph nodes.

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Effect of Endarterectomy on Arterial Fibrinolytic Activator Activity 712
 Jonathan R. Hiatt, MD; Jo Carol Hiatt, MD;
 George F. Sieffert, MD; Wesley S. Moore, MD, Los Angeles
 Fibrinolytic activity is depressed at endarterectomy site initially but returns to normal at 24 hours.

Arterial Regeneration Over Polydioxanone Prostheses in the Rabbit 715
 Howard P. Greisler, MD; Joan Ellinger; Thomas H. Schwarcz, MD; John Golan, MD;
 Richard M. Raymond, PhD, Maywood, Ill; Dae Un Kim, MD, Livingston, NJ
 Slower absorption of a prosthesis was associated with slower tissue ingrowth.
 Invited Editorial Comment by Thomas K. Hunt, MD, San Francisco

The Significance of the Variant Left Accessory Hepatic Artery in Surgery for Proximal Gastric Cancer 725
 Alexander S. Lurie, DMedSci, Kaliningrad, USSR
 In seven of 768 patients having a gastric resection, ligation of a large left
 accessory hepatic artery resulted in the need for left hepatic lobectomy.
 Invited Editorial Comment by Lloyd M. Nyhus, MD, Chicago

The Effect of Preoperative Internal and External Biliary Drainage on Mortality of Jaundiced Rats 731
 Dirk J. Gouma, MD; Julio C. U. Coelho, MD, PhD;
 Jerry F. Schlegel; Yong F. Li, MD; Frank G. Moody, MD, Houston
 The mortality following abdominal infection was decreased by internal but not external biliary drainage.

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