

**1999-2000
SUMMARY OF SCHOLARLY ACTIVITIES
DEPARTMENT OF SURGERY**

I. ARTICLES PUBLISHED IN BOOKS AND JOURNALS

A. Full-length published articles.

R.J. Ampudia, A.W. Knott, J.P. McNeil, C. Evankovich, J.A. DiPalma, S.K. Teplick, and C.B. Rodning. Pyloric Stenosis Secondary to Strongyloides Stercoralis. Surg. Rounds 22: 523-532 (1999).

J.M. Cummings and J.A. Boullier. Scrotal Dog Bites. J. Urol. 164:57-58 (2000).

J.M. Cummings and C.R. Rodning. Urinary Stress Incontinence Among Obese Women: Review of Pathophysiology and Therapy. Int. Urogynecol. J. 11: 41-44 (2000).

J.M. Cummings, J.A. Boullier, S.D. Izenberg, D. Kitchens, and R. Kothandapani. Prediction of Spontaneous Ureteral Calculus Passage With an Artificial Neural Network. J. Urol. 164:326-328 (2000).

C. Evankovich, A.W. Knott, R.J. Ampudia, S.K. Teplick, J.L. Herrera, J.A. Tucker, Jr., and C.B. Rodning. Biliary Cystadenoma: Rare Variant of Intrahepatic Cystic Disease. South. Med. J. 93 (7):698-702 (2000).

K. Frye and A. Luterman. Management of the Burn Wound Requiring Excision in the Geriatric Patient: Results of a Defined Protocol for Treatment. J. Burn Care Rehabil. 21:(1):Pt. 2, S200 (2000).

R.P. Gonzalez, M. Falimirski, M. Holevar, and C. Evankovich. Surgical Management of Renal Trauma. Is Vascular Control Necessary? J. Trauma Vol. 47, No. 6 (1999).

K. Frye and A. Luterman. Burns and Fractures. Orthop. Nurs. 98:30 (1999).

B.R. Jepson, J.A. Boullier, R.G. Moore, and R.O. Parra. Traumatic Posterior Urethral Injury and Early Primary Endoscopic Realignment: Evaluation of Long-term Follow-up. Urology 53:1205-1210 (1999).

R.P. Gonzalez and A. Luterman. Clinical Utility of Nitric Oxide. Curr. Surg. 56(6):291-295 (1999).

A. Luterman: What's New in Surgery?: Burns & Metabolism. J. Am. Coll. Surg. 190(2):104-114 (2000).

W.E. Pofahl and S.M. Walczak. Predicting Length of Stay in Acute Pancreatitis. Surg. Forum 50:657-659 (1999).

W.E. Pofahl and F. Ringold. Management of Early Dislodgment of Percutaneous Endoscopic Gastrostomy Tubes. Surg. Laparosc., Endosc., Percutan. Tech. 9:253-256 (1999).

R.S. Rees, M.C. Robson, J.M. Smiell, B.H. Perry, J.J. Biundo, A.E. Cram, I. Eltorail, R.H.K. Eng, S. Gutpa, J.W. Harmon, A. Luterman, A. Nemchauky, L. Phillips, A. Pozez, R. Read, J.L. McClellan, and E.E. Tredget. Belcaplermin Gel in the Treatment of Pressure Ulcers: A Phase II Randomized Double Blind, Placebo-Controlled Study. Wound Repair Regen. (U. S.) 7(3):141-147 (1999).

C. B. Rodning. The Ultimate Goal.... What is Education? Mobilians Share Their Thoughts. Friends of Freedom, Mobile, Alabama, p. 22 (2000).

K.W. Sharp and W.E. Pofahl. Pancreas. IN: P.F. Lawrence (Ed.) Essentials of General Surgery, 3rd Edition. Baltimore: William and Wilkins, pp. 327-342 (2000).

W.O. Thomas, III, C. Hendrix, S. Rayburn, and A. Luterman. Laser Resurfacing Complication, South. Med. J. 92:999-1001 (1999).

B. Articles in press.

D.L. Dyess, J.N. Collins, J.L. Ardell, M.I. Townsley, A.E. Taylor, and J.J. Ferrara. Modulation of Microvascular Permeability After Burn Injury by 21-Amino Steroids. J. Burn Care Rehabil. (2000).

C. Evankovich, H.N. Vu, L.F. Latour, M.D. Sirmon, J.G. Hardin, Jr, J.A. Tucker, Jr., and C.B. Rodning. Splenectomy and Systemic Lupus Erythematous: Case Report and Literature Review. J. Abdominal Surg., (2000).

R.T. Leblanc, W.O. Thomas, III, R. W. Powell, and A. Luterman. The Use of Artificial Skin in the Excision of Large Hairy Nevi: Benefits Gained in Cosmesis & Function. Am. Acad. Pediat. (1999).

W.E. Pofahl. Invited Article: Surgical Judgment and Decision Making. Focus Surg. Educ. (2000).

C. B. Rodning, R.C. Calin, J.E. Flowers, M.J. Kreckler, and N.F. McGowin, II. Qualitative Terminological Analysis of Perianal Hygiene and Concurrent Colorectal and Anal Physiology: I "Sweep" Deconstructed. J. Irreprod. Results (2000).

W. O. Thomas, III, S. Rayburn, R. T. LeBlanc, R. W. Powell, and A. Luterman. Artificial Skin in the Treatment of a Large Congenital Nevus Case. South. Med. J. (2000).

II. PUBLISHED ABSTRACTS.

J.G. Dubuisson, R. Southard, D.L. Dyess, and J.W. Gaubatz. Resveratrol Inhibits Phase II Activation of the Food Mutagen H-Hydroxy-Phlp by Human Mammary Epithelial Cells and Enzymes. 9th Annu. Res. Conf., Am. Institute Cancer Res., p. 18 (1999).

J.E. Gaubatz, J.D. Dubuisson, R. Southard, and D.L. Dyess. Nutrient Modulation of Heterocyclic Amine Phase II Mutagen Activation Enzymes: Human Mammary Epithelial Cess. ASBMB Fall Symposia: Nutrient Control of Gene Transcription, p. 8 (1999).

K. Frye and A. Luterman. Management of the Burn Wound Requiring Excision in the Geriatric Patient: Results of a Defined Protocol for Treatment. J. Burn Care Rehabil. 21(1), S200 (2000).

K. Johnston, R. Curtis, C. Blache, K. Frye, and A. Luterman. (1) The Effect of Integra Artificial Skin on a Burn Center's Med-Surg Budget; and (2) A View From the Trench: The Nurse Manager and the Cost Center. Proc., Am. Burn Assn.. J. Burn Care Rehabil. 20 (1), S211 (1999).

III. BOOKS PUBLISHED.

None.

IV. PRESENTATIONS.

C. Blache. (1) A Longitudinal Study of Hardiness Burnout Stress; and (2) Coping Styles & Stressful Life Events in Burn Nursing: Year 2. 12th Annu. Burn Sem., South. Med. Assn., Am. Burn Assn., Winston-Salem, NC (1999).

J.A. Boullier. Early Endoscopic Realignment of Posterior Urethral Disruptions – Long-term Results. 64th Annu. Mtg. Southeast. Sect., Am. Urol. Assn., Orlando, FL (2000).

J.M. Cummings. (1) Surgical Management of Stress Incontinence and Vesicovaginal Fistulas; and (2) Bladder Reconstruction. 6th Annu. Mtg., Linyi Surg. Assn., Linyi, China (1999).

R. Curtis. Development of a Patient-Centered Goal-Focused Documentation Model for Nurses. 12th Annu. Burn Sem., South. Med. Assn., Am. Burn Assn., Winston-Salem, NC (1999).

D.L. Dyess. A Decade of Breast Cancer. Ala. Chap. Am. Coll. Surg., Point Clear, AL (2000)

C. Evankovich. (1) "Paraduodenal Hernia"; and (2) "Biliary Villous Adenoma." Radiographics Online. [Http://www.Radiographics.com](http://www.Radiographics.com) (2000).

K. Frye. Decreased Hypertrophic Scar With the Introduction of Collagenase: 12th Annu. Burn Sem., South. Med. Assn., Am. Burn Assn., Winston-Salem, NC (1999).

K. Frye. Management of the Burn Wound Requiring Excision in the Geriatric Patient: Results of a Defined Protocol for Treatment. 32nd Annu. Mtg., Am. Burn Assn., Las Vegas, NV (2000).

K. Johnston. Replacement of Specialty Beds With Overlay Mattress Increases Cost Savings in the Burn Unit. 12th Annu. Burn Sem., South. Med. Assn., Am. Burn Assn., Winston-Salem, NC (1999).

A. Luterman. (1) Wound Care in the New Millennium; and (2) The Language of Wound Care. Providence Hosp. Wound Symp., Mobile, AL (2000).

A. Luterman. Wound Healing Course. Springhill Hosp. Symp., Mobile, AL (2000).

A. Luterman. Care of the Pediatric Burn Patient. Sacred Heart Hosp. Trauma Symp., Pensacola, FL (2000).

A. Luterman. Issues in Wound Management, Nutrition and Debridement. 14th Annu. Clin. Symp., Wound Care, Denver, CO (1999).

A. Luterman. ASPRC (Plastics & Reconstruction). Special Symp., Difficult Wounds and Burns, New Orleans, LA (1999).

A. Luterman. Special Presentation Symposium and Visiting Professor. Wound Healing: Use of Enzymes. San Juan Medical Center, San Juan, Puerto Rico (1999).

A. Luterman. Special Presentation Symposium. Advanced Wound Care Course. Brookline Medical Group, Brookline MA (1999).

A. Luterman. Visiting Professor. Enzyme Use in Burns. Baptist Integris Medical Center, Oklahoma City, OK (1999).

A. Luterman. Visiting Professor. What's New in Burn Treatment. Cook County Hospital Trauma Grand Rounds, Chicago, IL (1999).

A. Luterman. What's New in Burns: Integra Artificial Skin. Johnson & Johnson Natl. Sales Managers Mtg., Orlando, FL (2000).

A. Luterman. The Use of Enzymes in Burn Treatment. Smith & Nephew Wound Healing Group, Las Vegas, NV (2000).

A. Luterman. Improving Outcomes for the Treatment of Burns: New Clinical Experience With Integra Artificial Skin. Am. Burn Assn. Special Symp., Las Vegas, NV (2000).

A. Luterman. What's New in Burns. (1) St Joseph's Hospital Burn Center, Fort Wayne IN; and (2) Baptist Hosp. Trauma Symp., Pensacola, FL (2000).

A. Luterman. Program Moderator and Presentations. Best Practices for Improving Outcomes in Burn and Reconstructive Surgery. Advisory Board. (1) Optimizing Outcomes in Burn Surgery; and (2) Long-Term Outcomes With Use of Integra Artificial Skin. Sciens Worldwide Medical Education, Phoenix, AZ (2000).

A. Luterman. (1) Beyond Survival: A New Millennium: A Conference on the Future of Burn Care; and (2) Enzymatic Debridement. Integris Baptist Medical Center, Integris Burn Center, Am. Burn Assn., Oklahoma City, OK (2000).

A. Luterman. (1) The Science Behind the Art of Wound Healing; and (2) Cost Saving Wound Care. Knoll Symp., Puerto Vallarta, Mexico (1999).

W.E. Pofahl. Laparoscopic Ventral Hernia Repair. Ala. Chap., Am. Coll. Surg., Point Clear, AL (2000).

W.E. Pofahl. A Neural Network Predicts Length of Stay in Acute Pancreatitis. Surg. Forum, Clin. Cong., Am. Coll. Surg., San Francisco, CA (1999).

R.W. Powell. (1) Necrotizing Fascitis in a Premature Infant: Use of a Dermal Substitute for Early Wound Coverage; (2) Hairy Nevi: Improved Result Using Integra; and (3) Feeding Access by "Anti-Reflux" Gastrostomy. Pacific Assn. Pediatr. Surg., Las Vegas, NV (2000).

C. B. Rodning. Program Coordinator/Moderator. 49th Annu. Mtg., Ala. Chap., Am. Coll. Surg., Point Clear, AL (2000).

W.O. Thomas, III. Artificial Skin for Treatment of a Large Congenital Nevus. Annu. Mtg., Ala. Soc. Plast. Reconstr. Surg., Birmingham, AL (2000).

V. NATIONAL PROFESSIONAL RECOGNITION

Dr. D. L. Dyess served as State Faculty and Course Director for the Advanced Trauma Life Support Course of the American College of Surgeons (ATLS). In addition, she served as Editorial Consultant for the *Southern Medical Journal*, as the University Contact Faculty member for the Association of Academic Surgery, and as the State Contact Member for the Association of Women Surgeons. Dr. Dyess is also a member of the Breast Disease Committee for the National Surgical Adjuvant Breast & Bowel Project (NSABP).

Until his resignation at the end of April, 2000, Dr. S.D. Izenberg served as Chairman of the State Committee on Trauma (COT) of the American College of Surgeons, as a Council Member of the Alabama Chapter, American College of Surgeons, as a Reviewer for the Alabama State Quality Assurance Foundation, on the Medical Control Commission of Southwest Alabama Emergency Medical Service System (SWAEMSS), and on the Alabama State Medical Control Committee.

Dr. A. Luterman served on the Advisory Board of Robert Wood Johnson Pharmaceutical, Inc. He also served on the following committees: State of Alabama, Department of Public Health, Trauma Systems Advisory Committee; State of Alabama, Southeast Regional Critical Care Society; American Burn Association International Relationships Committee; Southeast Regional Critical Care Society Steering Committee; American Burn Association Federal Issues Committee; and as Chairman, American Burn Association Regionalization Committee. He was a Council Member, Alabama Chapter, American College of Surgeons, a Capital Program Member of the American College of Surgeons. He was on the Editorial Boards of the following journals: *The American Surgeon*, *Journal of Burn Care and Rehabilitation*, and *New Directions in Critical Care Nursing*. He served as a Consultant for Integra Life Sciences and on the National Consultant Panel of Merck Pharmaceuticals.

Dr. W.E. Pofahl served on the Editorial Board of *Current Surgery*.

Dr. R. W. Powell served as Editorial Consultant to the *Journal of Pediatric Surgery* and the *Journal of Trauma*.

Dr. C. B. Rodning received the Scarlet Sash Award for Faculty USA College of Medicine by the Graduating Class for the Most Meaningful Input into Their Medical Education, 1999-2000. He also received the Physician's Recognition Award from the American Medical Association, 1999-2002. Dr. Rodning served on the following committees: Educational Resources (Video) Committee, Society of American Gastrointestinal Endoscopic Surgeons; Vice-Regent, Alabama Chapter, International College of Surgeons; Meeting Program and Coordination Committee, International College of Surgeons; Section of Medical Schools, Liaison Committee, Graduate Medical Education,

American Medical Association; and the ad hoc Committee, Building for Medical Museum, Mobile County Medical Society. He was listed in the Directory of American Poets & Fiction Writers, Who's Who in American Men and Women of Science (Jaques Catell Press), Who's Who in Science and Engineering (Marquis Who's Who Publication) Lexington Registry of Executive and Professionals, and South and Southwest (Marquis Who's Who Publication). He served on the Editorial Board, *Online Journal of Digestive Health*, and as Field Liaison Physician, Commission on Cancer, American College of Surgeons. Dr. Rodning was a reviewer for the following medical journals: *Chest*, *J of Critical Illness*, *J Histochem. Cytochem*, *Pediatrics*, *Review of Infectious Diseases*, and the *Southern Medical Journal*. Dr. Rodning also served as the Scientific Program Coordinator, Alabama Chapter, American College of Surgeon, June 8-10, 2000, Point Clear, AL.

Dr. W. O. Thomas, III, served on the Editorial Board of the Southern Medical Association of which he is a member. He is also a member of the Alabama Society of Plastic & Reconstructive Surgeons and a Fellow in the American College of Surgeons. He received certification in Cosmetic Laser Services.

VI. BRIEF SUMMARY OF DEPARTMENT ACTIVITIES AND PROGRESS.

This past year the Department of Surgery underwent some significant changes. Overall, the year was one of progress towards fulfillment of the mission of education in the art and science of surgery, provision of state-of-the-art care for the region, and advancement of the surgical field through basic science and clinical research. Health care in the United States is undergoing significant change, as is the entire field of medical education. The Department of Surgery has been successful in adjusting to changes in order to provide quality education and training to undergraduate and graduate medical students and residents. The basic infrastructure of the Department of Surgery has evolved to assure continuation of its mission irrespective of future changes.

This past year a new Division of Vascular Surgery was created under the leadership of Dr. Jeffrey Manord. The comprehensive center planned will include all the components of this rapidly-expanding and evolving field. The new center promises to be a resource for provision of service to the region and education and training for students and residents.

The Trauma and Critical Care Division under the leadership of Dr. Richard Gonzalez, continues to expand the provision of education and training. Residents from other programs are now availing themselves of this unique quality experience with a senior and junior resident in surgery now rotating at the Trauma Center from the Ochsner Clinic in New Orleans. In addition, a major Federal Grant was secured to create the first center dedicated to the study of rural trauma. This is the first of its kind in the country and promises to be a major ongoing project for several years.

The Solid Organ Transplantation Center has matured into a regional resource, expanding its base of operations to the panhandle of Florida. Dr. Barry Browne, Director, and the University of South Alabama Transplantation Team have performed superbly in

establishing the center and rapidly increasing its activity. The reputation of the program is excellent and the results reported to date are some of the best in the country. Continuing growth of this program is anticipated for the coming year. The educational value this program has provided for the students and residents at the University of South Alabama is invaluable. Surgery residents no longer need to rotate out of the region to gain this experience.

The Urology Division, under the leadership of Dr. James Cummings, continued its growth with provision of increasingly more diverse and complex services. Planning for expansion of this division to satisfy the increasing clinical needs in this region and the educational requirements of the diverse medical and paramedical programs of this region are being made. In addition, a number of significant research contributions have emanated from this division increasing its visibility and reputation at the regional and national levels.

The Burn Center expanded its activity this year to include Chronic and Complex Wounds. The Burn Center is a true regional resource recognized at the local, state, regional, national, and international levels. The new addition of services has proven a success with additional education, service, and research opportunities that continue to develop. A new facility to house this combined service is being constructed in the University of South Alabama Medical Center.

Research activities continue in all divisions. The dedicated clinical research office continues to be extremely busy with new projects being added on a regular basis. The reputation of the Department as a source for quality clinical research continues to be strong, with numerous faculty members actively involved at various levels in the development of new products and techniques in the realm of surgery. The faculty of the Department of Surgery have presented from numerous platforms on a wide variety of topics.

The demand for surgical education and training at the University of South Alabama remains high. The program is highly sought because of the quality of the experience, breadth and depth of the training, and quality of current and graduating residents. The Department of Surgery Education and Training Program includes medical students, paramedical students, and graduate residents. The Department of Surgery is active in local, state, regional, and national education and training. A dedicated office of Surgical Education provides the coordination and management for all educational programs and endeavors. This has made the institution of new conferences or programs easy to accomplish as the requirements for education and training have changed.

These times are some of the most challenging in the recent history of provision of surgical care, education, and training. The national healthcare system is undergoing major transitions. Education in the art and science of surgery, research and the very nature of the services required from a Department of Surgery are evolving daily. The Department of Surgery this past year remained strong and true to the mission for which it was created. As the requirements and resources change the Department of Surgery will remain focused on its mission and continue to strengthen as it did this past year.