

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

I. ARTICLES PUBLISHED IN BOOKS AND JOURNALS

A. Full-length published articles

J.W. Allison, M.S. Figarola, and C.A. James. Pediatric Case of the Day. Renal Cell Carcinoma in a Child With Tuberous Sclerosis. *RadioGraphics* 19:1388-1389 (1999).

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(10):522-532 (1999).

B.G. Brogdon. Memorial: Louis Raider, 1913-1999. *Am. J. Roentgenol.* 174:1322 (2000).

B.G. Brogdon. Book Review: Classic Radiologic Signs: An Atlas and History. By Michael E. Mulligan. *Am. J. Roentgenol.* 174:160 (2000).

B.G. Brogdon. (1) Definitions in Forensics and Radiology, 41(1):1-12; and (2) Scope of Forensic Radiology, 41(1):43-67. *Crit. Rev. Diagn. Imaging* (2000).

B.G. Brogdon and Joel E. Lichtenstein. Forensic Radiology in Historical Perspective. *Crit. Rev. Diagn. Imaging* 41(1):13-20 (2000).

V. Drnovsek, G. Zafiroski, B.G. Brogdon, and D.M. Plavsic. Case report: Transarticular Spread of Ewing's Sarcoma Across the Sacral Iliac Joint: CT and MR Correlation. *Orthopedics* 2022:977-979 (1999).

M.D. Harpen: (1) A Computer Simulation of Wavelet Noise Reduction in Computed Tomography, 26(8):1600-1606; and (2) A Simple Theorem Relating Noise and Patient Dose in Computed Tomography, 26(11):2231-2234 *Med. Phys.* (1999).

M.D. Harpen, A.E. Green, and B.G. Brogdon. The Measurement of View Box Luminance and Reading Room Illuminance for Mammography - Practical Methods. *Am. J. Roentgenol.* 173(5):1411 (1999).

S.M. Khader, S.F. Saleeb, and S.K. Teplick. General Case of the Day. Left Renal Vein Aneurysm. *RadioGraphics* 19:1683-1685 (1999).

Charles W. Newell, Chucri M. Jalkh, and B.G. Brogdon. Radiographic Equipment, Installation, and Radiation Protection. Crit. Reviews Diagn. Imaging 40(6):361-380 (1999).

F.G. Greiner and D. Tahktani. Neuroradiology Case of the Day. Epidural Lipomatosis. RadioGraphics 19:1397-1400 (1999).

S. Khader and F.G. Greiner. Neuroradiology Case of the Day. Amyotrophic Lateral Sclerosis. RadioGraphics 19: (6) 1696-1698 (1999).

S.K. Teplick. Invited Commentary on "How to Prepare An Effective Exhibit: Analysis for Award-Winning Exhibits From the 1998 RSNA Scientific Meeting." RadioGraphics 20:1059-1071 (2000).

B. Articles in press

J.C. Brandon, S.D. Izenberg, B. Nguyen, J. Sullivan, C. Evankovich, and S.K. Teplick. Helical CT Scanning for the Diagnosis of Acute Appendicitis: The Usefulness of Obliquely Reconstructed Images. Online J. Digest. Health (2000).

J.C. Brandon, A. Cohen, and C. Evankovich. (1) Paraduodenal Hernia; and (2) Biliary Papopillomatosis. RadioGraphics (2000).

J.C. Brandon, S.D. Izenberg, P.A. Fields, C. Evankovich, G. Wilson, and S.K. Teplick. Pancreatic Clefts Caused by Penetrating Vessels: A Potential Diagnostic Pitfall for Pancreatic Fracture on CT. J. Emerg. Radiol. (2000).

J.C. Brandon and S.K. Teplick (Eds). GI Intervention. Thieme Publishing (2000).

B.G. Brogdon. Forensic Radiology: Applications in the Evaluation of Injury and Death. Chap. 40. IN: R.C. Froede (Ed.) Handbook of Forensic Pathology, Coll. Am. Pathol., Northfield, IL (2001).

B.G. Brogdon. Gold Medalist Tribute: Arvin E. Robinson. Acad. Radiol. (2000).

B.G. Brogdon. Photo Page: Pub Cat. AJR. (2000).

M.D. Harpen. Partial Wave Analysis of the Ultrasound Comet Tail Artifact. Med. Phys. (2000).

N.C. Patel, B.G. Brogdon, M.G. Srinth, and A. Adekal. Tuberculous Dactylitis (Spina Ventosa). Appl. Radiol. (2000).

R. Sachasinh and B.G. Brogdon. Unenhanced Helical CT: the "Unbeatable Emergency Examination of Acute Flank Pain." Emer. Radiol. (2000.)

II. PUBLISHED ABSTRACTS.

J.C. Brandon, A. Cohen, and C. Evankovich. Gastrointestinal Case of the Day. RadioGraphics On-line (2000).

D.N. Lurie, J.E. Mendizabal, F.G. Greiner, and R.M.Zweifler. Do Early CT Changes Predict Clinical Outcome Following Administration of Intravenous R-Tpa for Acute Ischemic Stroke? Stroke 31(1):276 (2000).

D.E. Herbert. (1) Medical Errors, Medical Journals, and "the Stochastic Art"; and (2) Cardiac Death: A Heuristic Dynamical Model. Published on CD-ROM., Proc., World Cong. 2000, Med. Phys. Biomed. Eng. (2000).

III. BOOKS PUBLISHED

None.

IV. PRESENTATIONS

J.C. Brandon. Case of the Day, Radiol. Soc. North Am., Chicago, IL (1999).

L.S. Deutsch and J.C. Brandon. Poster. Clinical Radiology Research: A Framework for the New Millennium. Radiol. Soc. North Am., Chicago, IL (1999).

B.G. Brogdon. Two Shots in the Dark: Radiologic Evaluation of a Non-fatal Shooting. South. Radiol. Conf., Point Clear, AL (2000).

B.G. Brogdon. AUR Gold Medal Presentation to Arvin E. Robinson, M.D. AUR, Orlando, FL (2000).

M. F. Dellaria. Venous Access - Introductory (hands on) Workshop. Subcutaneous Port Placement Instruction. SCVIR 25th Annu. Sci. Mtg., San Diego, CA (2000).

D.E. Herbert. Invited Lecturer. Useful Models and Adequate Metaphors. NIH (NCI) Workshop on Biological Effects and Outcome Analysis of 3D Radiation Therapy, Bethesda, MD (1999).

D.E. Herbert. (1) Medical Errors, Medical Journals, and "the Stochastic Art"; and (2) Poster Presentation. Cardiac Death: A Heuristic Dynamical Model. World Cong., Med. Phys. Biomed. Eng., Chicago, IL (2000).

V. NATIONAL PROFESSIONAL RECOGNITION

J.C. Brandon is a peer reviewer of the following journals: *Journal of Vascular and Interventional Radiology*, *Journal of Ultrasound in Medicine*, *American Journal of Roentgenology* and the *Southern Medical Journal*. He is a member of the SCARD Committee on Education and Training and the Scientific Exhibits Committee of the Radiological Society of North America. He is a Board Examiner for the American Board of Radiology and is published in the *Who's Who in America* (2001), *Who's Who in the World* (2001) and *Who's Who in Medicine and Healthcare* 2001.

B.G. Brogdon is on the Editorial Board for *Surgical and Radiologic Anatomy* and for the *Journal of Forensic Sciences*. Dr. Brogdon is on the Board of Directors for Nycomed International Continuing Education in Radiology. He is on the Advisory Board of the National Institute for Continuing Medical Education and is Chair of the Convention Planning Committee of the International Skeletal Society.

A.E. Green is a Board Examiner for the American Board of Radiology. M.S. Figarola is a manuscript reviewer for the *American Journal of Radiology*. M.D. Harpen is a member of the Research Awards in American Association of Physicists in Medicine - Advising Panel.

D.E. Herbert organized and chaired two symposia at the World Congress on Medical Physics and Biomedical Engineering held in Chicago, July 2000: 1) Error in Medicine: A Symposium; and 2) Perspectives in Technology. Dr. Herbert is Chair of the American Association of Physicists in Medicine (AAPM) Statistics Committee, two AAPM Biological Effects Committee Task Groups, and is a member of one AAPM Biological Effects Committee Task Group. He is a member of the Steering Committee for the 6th International Conference on Dose, Time and Fractionation in Radiation Oncology to be held at the University of Wisconsin, Madison, 23-26 September, 2001. Dr. Herbert is the Director of the COM Biostatistics and Epidemiology Core Unit and Director of the USA Comprehensive Sickle Cell Center Statistics Core Unit.

M.L. Lecklitner is on the Board of Trustees for the American College of Nuclear Physicians, Washington, D.C. He is published in *The Best Doctors In America*, Woodward/White Publishers.

C. Morgan is working on a grant to help set up radiologic services in Africa.

S.K. Teplick is a manuscript reviewer for the *American Journal of Gastroenterology*, *Journal of Vascular and Interventional Radiology*, *Journal of Radiology*, *Journal of Gastrointestinal Endoscopy*, *Kidney International* and *American Journal of the Medical Sciences*, *Journal of the Society of Cardiovascular and Interventional Radiology*, and *Kidney International*. He is Chairman of the Educational Exhibits Committee for the Radiological Society of North America and member of the Educational & Research Council for RSNA. He is an RSNA reviewer for Awards in Excellence in Research and Education

and RSNA Grant Reviewer. He is a Board Examiner for the American Board of Radiology. Dr. Teplick is the Alternate Councilor to the American College of Radiology - Alabama Academy of Radiology.

Richard L. Wesenberg was appointed by the Board of Trustees of the American Medical Association as the AMA Representative on the Diagnostic Radiology RRC (Residency Review Committee), 2000-2002. He was appointed to a three-year term as AUR (Association of University Radiologists) Representative to the House of Delegates of the American Medical Association, 2000-2003. Dr. Wesenberg was also appointed as a member to the Nuclear Medicine Committee of the Society for Pediatric Radiology, 2000. He was elected to a three-year term on the Council on Medical Education of the Medical Association of the State of Alabama, 2000-2003.

VI. BRIEF SUMMARY OF DEPARTMENT ACTIVITIES AND PROGRESS

The Department of Radiology is pleased to welcome two new faculty members: Margaret Mowry and Dianna Ragula. Dr. Nancy Lawhon moved to go to the University of Mississippi.

Frank G. Greiner was awarded the "Outstanding Instructor Award" for 2000 by the graduating residents.

Lane S. Kannegieter, M.D., and M. Suzy Figarola, M.D., were promoted to Associate Professor. Jeffrey C. Brandon, M.D., was promoted to full Professor with tenure and appointed Assistant Dean for Graduate Medical Education.

Richard L. Wesenberg, M.D., was elected Chairman of the Evaluations Committee at the USA Faculty Senate, 2000-2001; and as a member of the Executive Committee of the USA Faculty Senate, 2000-2001.

Developments

- 1) Installation of new equipment is nearly complete.
- 2) Our teleradiology service is now configured so that we can send images among all three of our hospitals. Also, we currently service four rural hospitals and are about to add a fifth.
- 3) Moving toward PACS and Filmless Department. The ERs and several of the floors at each hospital can now view films electronically using PC workstations.
- 4) In early stages of developing a Vascular Center at Knollwood Park Hospital.
- 5) In process of developing a relationship with the Biloxi VA.