

2011-2012
Summary of Scholarly Activities
Department of Radiology

I. PUBLISHED JOURNAL ARTICLES, BOOK CHAPTERS, AND PATENTS

Brogdon BG. In Memoriam: Jesse Talbot Littleton, III, MD. Radiology. 2011 Nov;261(2):666.

Brogdon BG. In Memoriam: Ted F. Leigh, M.D. Radiology. 2012 Feb;262(2):734.

Fitzgerald M, Fagan K, Herbert DE, Al-Ali M, Mugal M, Haynes J Jr. Misclassification of pulmonary hypertension in adults with sickle hemoglobinopathies using doppler echocardiography. South Med J. 2012 Jun;105(6):300-5.

Riddick L, Brogdon BG. Fatal air embolism during renal dialysis. Am J Forensic Med Pathol. 2012 Mar;33(1):110-2.

II. PUBLISHED ABSTRACTS

Bailey JA, Brogdon BG, Nichols B. Computer tomography (CT) superimposition of unidentified skull to postmortem photograph of James-Younger gang member. Proceedings of the American Academy of Forensic Sciences Annual Scientific Meeting; 2012 Feb 20-25; Atlanta, GA. p. 198. Abstract no. D24.

Brogdon BG, Sorg MH, Elifritz J, Scanlon RM, Brown HG, Wren JA. Multidisciplinary combination of traditional and new techniques in the determination of identity: the utility of the sphenoid sinus rediscovered. Proceedings of the American Academy of Forensic Sciences Annual Scientific Meeting; 2012 Feb 20-25; Atlanta, GA. p. 422. Abstract no. H110.

Nichols B, Brogdon BG, Bailey JA. A new technique for photo skull superimposition using CT and presentation software. Proceedings of the American Academy of Forensic Sciences Annual Scientific Meeting; 2012 Feb 20-25; Atlanta GA. p. 144. Abstract no. B7.

III. PUBLISHED BOOKS

IV. INVITED PRESENTATIONS

Brogdon BG. Invited speaker. Forensic radiology and radiography. Mississippi Society of Radiologic Technologists 2011: 2011 Oct 28; Tunica, MS.

Brogdon BG. Invited speaker. Two heads are better than one. The Southern Radiological Conference 2012; 2012 Jan 28; Point Clear, Al

Brogdon BG. Invited speaker. Expensive errors. Texas Tech Radiology Conference; 2012 Apr 17; El Paso, TX.

Brogdon BG. Invited speaker. Historical perspective of recent advances in forensic radiology. Texas Tech Radiology Grand Rounds; 2012 Apr 18; El Paso, TX.

Brogdon BG. Invited speaker. A personalized history of forensic radiology, before virtopsy. International Society of Forensic Radiology and Imaging Congress 2012; 2012 May 15; Zurich, Switzerland.

Brogdon BG. Invited speaker. The history and status of forensic radiology. University of New Mexico Medical Center and the Office of Medical Investigator of the State of New Mexico; 2012 Jul 9; Albuquerque, NM.

Brogdon BG. Invited speaker. Overview of forensic radiology and applications in anthropology. Syracuse University Dialogues in Forensic Science: Use of Radiographic Images in Identification and Trauma Analysis; 2012 Jul 20; Syracuse, NY.

Brogdon BG. Invited speaker. The history of forensic imaging from x-ray to virtopsy. The Second French Congress; 2012 Sep 21; Marseille, France.

V. NATIONAL PROFESSIONAL RECOGNITION

Dr. Byron G. Brogdon is a member of the Advisory Board of Virtopsy Foundation, Berne, Switzerland; Dr. Brogdon serves as member of the National Institute of Justice/Forensic Science Foundation Research Grant Committee. He is a member of the Forensic Science Foundation Research Committee and a referee for the Forensic Science Foundation Acorn and Lucas Grants. Dr. Brogdon serves on the Historical Committee of the General Section of the AAFS. He is on the Board of Directors of the Senior Radiological Section of the American Skeletal Society and was chairman for the 2011 meeting. He is an evaluator of graduate degree thesis for the University of Western Australia. There is a film panel named in the honor of Dr. Brogdon at the Southern Radiological Conference annual meeting and the Brogdon Panel is an annual event at the meeting of the American Alliance of Academic Chief Residents in Radiology. To add to Dr. Brogdon's accomplishments for this past year, Dr. Brogdon was Keynote speaker at the initial meeting of the International Society for Forensic Radiology and Imaging where he became both a charter member and the first honorary member. He has contributed expert testimony to numerous civil and criminal cases across the United States. Dr. Brogdon served as a judge for the Emerging Forensic Scientist Award at the AAFS Annual Meeting. He reviews manuscripts and abstracts for the Journal of Forensic Sciences and Forensic Science International. He is Patron of the International Association of Forensic Radiographers.

Dr. Brad A. Steffler serves on the Economics Committee/Work Group of The Society of Interventional Radiology. He serves as the Carrier Advisory Committee representative in Alabama for Interventional Radiology for the Society of Interventional Radiology.

VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

Dr. Byron G. Brogdon conducts two to three Orthopaedic conferences as well as two to three Interesting Case conferences per month for the Radiology Residents although he is a Distinguished Emeritus Professor at the University. He serves as a consultant for cases within the University. Dr. Brogdon finished work on his sixth book, cited above. He attended his 60th reunion of his class graduating from the University of Arkansas School of Medicine in 1952.

Dr. M. Suzy Figarola has been appointed Vice Chair and Residency Program Director. She serves as Chair of the Radiology committee at USA Children's & Women's Hospital; Member, USA C&W Medical Executive Committee and Surgery Medical Staff Committee; Chair, Internal Radiology Residency Review Committee; Member, Graduate Medical Education Committee; Member, Faculty Committee on Appointments, Promotions and Evaluations (FCAPE); Member, Committee on Committees; and Member, Radiology Investigator Children's Oncology Group.

Dr. Donald E. Herbert (Emeritus) continues to serve as a statistical consultant to several faculty members in the College of Medicine. He continues to serve as a reviewer for the journal *Medical Physics*. He is completing a monograph that will introduce medical physicists to the mathematics (finite mixture models, Bayesian meta-analysis, nonlinear stochastic delay differential equations) of complex systems and "*personalized medicine*." The current draft of the monograph is 152 pages (82,788 words) in length. He is Emeritus Professor in the Department of Radiology

Dr. Samuel A. McQuiston serves as the Director of Courses for COM Students interested in Radiology as a profession and as a part of their electives. Dr. McQuiston provides CME lectures on Thoracic Radiology and he also reviews cases of interest to residents. Dr. McQuiston gave 1st Year Orientation to 2012 incoming Radiology Residents. Dr. McQuiston served as a member of USAMC Professional Improvement Committee. Dr. McQuiston serves as a member on the Curriculum Committee (CUR) and the Continuing Medical Education Committee (CME), as well as a member of the Radiology Residency Review Committee.

Dr. Yasmeen A. Qureshi serves as a member of the Resident Interview/Selection Committee for the Department of Radiology. She also as a member on the Trauma/Burn Q/A Committee for the University. Dr. Qureshi gives CME lectures on Mammography. Dr. Qureshi continues to promote Breast MRI Service. Dr. Qureshi is also involved in Women's Imaging and programs including U/S guided and MRI guided breast biopsies. To add, she continues to be involved in INTACT Biopsy device for breast masses treated non-operatively. She serves on the Biomedical Environment and Diversity Committee for the University. Elected Secretary for College Senate Faculty.

The department strives to provide excellent patient care through diagnostic imaging and interventional radiology as well as train the next generation of physicians in radiology. In order to meet these goals we have recently updated our fluoroscopic imaging suite and begun renovations on our MRI building in anticipation of upgrading to a 3 Tesla magnet.

Our residents continue to receive training via the VA Gulf Coast (Biloxi) and our teleradiology hospitals.

Five residents completed the program this year. Dr. Stacey Black embarked upon a Fellowship in Interventional Radiology at the University of Arizona Health Science Center in Tucson, Arizona. Dr. Renee Bonetti began a Fellowship in Pediatrics at Vanderbilt University, Nashville, Tennessee. Dr. Eric Duffy began a Fellowship on Musculoskeletal at Penn State University in Hershey, Pennsylvania. Dr. Tara Otto also began a Fellowship in Musculoskeletal at the Mayo Clinic in Jacksonville, Florida. Dr. Brandon Nichols joined the George County Regional Radiology group in Lucedale, Mississippi.

The faculty recognition award for excellence in teaching was presented to Dr. Shikha Khullar by the 2012 radiology graduating class. The graduating class also presented a gift to Mrs. Vanessa Brown, Program Coordinator, for her outstanding contributions to their educational experience. Plaques were awarded to Drs. Michael Harpen and Donald Herbert, by the Radiology Department, for many years of excellent teaching to the residency program and dedicated services respectively.

Dr. Samuel McQuiston and Dr. Brad Steffler received the Red Sash award from the 2012 medical students graduating class and Dr. Steffler was appointed an Associate Member of the Mitchell Cancer Institute.

Mrs. Vanessa Brown was selected as the representative on the Graduate Medical Education Committee from the Program Coordinator Council.