

2009-2010
Summary of Scholarly Activities
Department of Radiology

I. PUBLISHED JOURNAL ARTICLES, BOOK CHAPTERS, AND PATENTS

Brogdon BG, Sorg MH, Marden K. Fingering a murderer: a successful anthropological and radiological collaboration. *J Forensic Sci* 2010 Jan;55(1):248-50.

Brogdon BG. Review of paleoimaging: field applications for cultural remains and artifacts. [Book Review] *J Forensic Sci* 2010 Mar;55(2):559.

Nichols BW, Figarola MS, Standley TB. A wandering liver. *Pediatr Radiol* 2010 Aug; 40:1443-5.

Schilaci MA, Engel GA, Fuentes A, Rompis A, Putra A, Wandia IN, Bailey JA, Brogdon BG, Jones-Engel L. The not-so-sacred monkeys of Bali: a radiographic study of human-primate commensalism. In: Gursky-Doyen S, Supriatna J, editors. *Indonesian primates*, New York: Springer; 2010. Chapter 14. p. 249-56.

II. PUBLISHED ABSTRACTS

Brogdon BG. A short stab in the back at long distance. *The Proceedings of the American Academy of Forensic Sciences* 2010 Feb;16:186-7. Abstract no. D19.

Brogdon BG. But what if it's not child abuse! *The Proceedings of the American Academy of Forensic Sciences* 2010 Feb;16:223. Abstract no. E17.

III. PUBLISHED BOOKS

IV. INVITED PRESENTATIONS

Brogdon BG. Invited speaker. Murder, or not! *The Southern Radiological Conference 53rd Annual Meeting*; 2010 Jan 30; Point Clear, AL.

V. NATIONAL PROFESSIONAL RECOGNITION

Byron G. Brogdon serves on the Editorial Board of the *Journal of Forensic Sciences*; Member of the Advisory Board of Virtopsy Foundation, Berne, Switzerland; Member, Research Committee, Forensic Sciences Foundation. Dr. Brogdon serves as member of the National Institute of Justice/ Forensic Science Foundation Research Grant Committee. 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. He has contributed expert testimony to numerous civil and criminal cases across the United States. 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. Brogdon has been appointed Overseas Expert in Forensic Medicine by the Ministry of Health, Singapore.

Dr. Maria Figarola was appointed as Delegate to the American Medical Association as a University Radiologist. President, Southern Radiological Conference, Manuscript Reviewer: *American Journal of Radiology*.

Dr. Donald E. Herbert serves as a member of the Biological Effects Subcommittee of the American Association of Physicists in Medicine. He continues to serve as a reviewer for the *Journal of Medical Physics*.

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. Dr. Steffler has been appointed an Associate Member of The Mitchell Cancer Institute.

VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS

Dr. Jeff Brandon was appointed acting chair following the unexpected and tragic death of Dr. Steven Teplick.

Dr. Byron G. Brogdon conducts two to three Orthopaedic conferences as well as two to five Interesting Case conferences per month for the Radiology Residents although he's at Distinguished Emeritus Professor status with the University. He serves as a consultant for cases within the University. Dr. Brogdon finished work on the 2nd Edition to his book *Forensic Radiology* due to be released Winter 2010.

Dr. Maria Figarola continues to be the CME Director for the Department of Radiology. Dr. Figarola continues to bring in outside Radiologists/Speakers for Grand Rounds for the Department. Dr. Figarola continues to organize the Journal Club's quarterly meeting. She was the primary advising radiologist on the administrative team that purchased a new state of the art Toshiba Aquilion One CT for USA Children & Women's Hospital, July 010.

Dr. Donald E. Herbert has been invited to prepare another chapter on Modern Statistical Modeling for the monograph; *Advances in Medical Physics 2012*. Dr. Herbert is also working on a paper entitled *Misclassification of Pulmonary Hypertension in Sickle Hemoglobinopathies using Doppler-Echocardiography*. Dr. Herbert continues to revise and expand his series of lectures on medical statistics: *Models in Medicine*. He continues

to work on a monograph, *An Introduction to the Strange and Violent World of Nonlinear Dynamics*, and a series of tutorial papers on: Systems Biology: A New Biology for Medicine, Estimation and Inference on Heterogeneous Data: The EM and MCMC Methods and An Introduction to Evidence-based Statistics: Bernard's Dilemma, 1 Stein's Paradox and Bayes' Theorem. Dr. Herbert continues to provide statistical consultations to USA COM faculty as his time permits.

Dr. Ian G. Malcolm returned to the Department of Radiology full-time as Associate Professor and Section Chief of Chest from University of Alabama.

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 2010 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. Dr. Qureshi has been placed in charge of AD Hoc Breast & Women's Imaging for the Alabama Academy of Radiology. She is also secretary of the Faculty Assembly Offices.

Dr. Todd Standley was a contributing advisor on the Toshiba Aquilion One CT purchase for USA Children & Women's Hospital, July 2010.