

**2009-2010**  
**Summary of Scholarly Activities**  
**Department of Emergency Medicine**

**I. PUBLISHED JOURNAL ARTICLES, BOOK CHAPTERS, AND PATENTS**

Costello MW. Critical care billing is not location specific. In: Mattu A, Chanmugam AS, Swadron SP, Tibbles C, Woolridge D, editors. Avoiding common errors in the emergency department. Lippincott, Williams & Wilkins; 2010. Chapter 37. p. 87-9.

Costello MW. Croup is common...so know it well. In: Marcucci L, editor. Avoiding common errors in the emergency department. Lippincott, Williams & Wilkins; 2010. Chapter 279. p. 654-6.

Costello MW. Do not withhold oxygen from a hypoxic patient with chronic obstructive pulmonary diseases. In: Mattu A, Chanmugam AS, Swadron SP, Tibbles C, Woolridge D, editors. Avoiding common errors in the emergency department. Lippincott, Williams & Wilkins; 2010. Chapter 280. p. 657-8.

Costello M. Know how to perform an escharotomy. In: Mattu A, Chanmugam AS, Swadron SP, Tibbles C, Woolridge D, editors. Avoiding common errors in the emergency department. Lippincott, Williams & Wilkins; 2010. Chapter 249. p. 583-5.

Costello MW. Remember that all that wheezes is not necessarily asthma (or chronic pulmonary disease). In: Mattu A, Chanmugam AS, Swadron SP, Tibbles C, Woolridge D, editors. Avoiding common errors in the emergency department. Lippincott, Williams & Wilkins; 2010. Chapter 294. p. 693-6.

Sternberg ML, Jacobs T. Clenched fist injury. J Emerg Med 2010 Jul;39(1):97.

Sternberg ML, Woodward A. Encapsulating peritoneal sclerosis. J Emerg Med 2010 Jul;39(1):95-6.

**II. PUBLISHED ABSTRACTS**

**III. PUBLISHED BOOKS**

**IV. INVITED PRESENTATIONS**

Pettyjohn F. Invited speaker. Cardiology review of common problems for Aviation Medical Examiner. Federal Aviation Administration; 2009 Nov 21; Settle, WA.

Pettyjohn F. Invited speaker. Cardiology case review. Cardiology Panel, Federal Aviation Administration; 2010 Jan 21-22; Oklahoma City, OK.

Rivers T. Invited speaker. Trauma triage...picking priorities. Alabama Gulf EMS System; 2010 Sep 10; Gulf Shores, AL.

## V. NATIONAL PROFESSIONAL RECOGNITION

Michael R. Ambrose serves as a member of the Secretary of Veterans Affairs Advisory Committee for Former Prisoners of War.

Melissa W. Costello serves in the following positions: Member, Council on Medical Education for State of Alabama; American Medical Association, Young Physicians Section, House of Delegates Handbook Review Committee; Medical Director, National Disaster for Medical Services; AL-3 Disaster Medical Assistance Team and Urban Search and Rescue Team, City of Mobile Fire & Rescue/ Federal Emergency Management Agency, United States Department of Homeland Security; Assistant Medical Director of LifeFlight; Board of Directors (Mobile County) EMS; Board of Directors (Alabama Chapter), American College of Emergency Physicians; EMS Core Curriculum Committee, American College of Emergency Physicians; Councillor, Tactical Section, American College of Emergency Physicians; Vice President, Medical Association State of Alabama; Medical Association, State of Alabama Council of Medical Education.

Alan E. Heins serves in the following positions: American College of Emergency Physicians Academic Affairs Committee; SAEM Membership Committee; Reviewer: *Journal of Opioid Management*; *Journal of Pain Medicine*; *Annals of Emergency Medicine*; *Academic Emergency Medicine*, *EM Painline*, *American College of Emergency Physicians*, Public Health and Injury Control (PHIC) Committee; Public Health and Injury Control (PHIC) Subcommittee Chair; Emergency Medicine Practice Committee (EMPC); Affairs Committee (AAC); Society for Academic Emergency Medicine, Membership Committee. Serves on Development Committee for Hope Center Clinic (Indigent Care) Fairhope, AL.

Frank S. Pettyjohn served in the following positions: Chairman, Department of Emergency Medicine; Cardiology Consultant to the Federal Aviation Administration; Board of Directors and Past-President, International Academy of Aviation and Space Medicine; Board of Directors, American College of Emergency Physicians (Alabama Chapter); Medical Director, Region 6 State of Alabama (Gulf Coast) EMS Region.

Michael L. Sternberg served in the following positions: Vice Chairman, Department of Emergency Medicine; Board of Directors, Southwest Alabama Emergency Medicine Services; Chairman, Bylaws Committee, American College of Emergency Physicians

(Alabama Chapter); Public Relations Committee, American College of Emergency Physicians (Alabama Chapter); Board of Directors, American College of Emergency Physicians (Alabama Chapter).

## **VI. BRIEF SUMMARY OF ACTIVITIES AND PROGRESS**

The Department of Emergency Medicine emphasizes excellence in Clinical Emergency Medicine, education of the housestaff and medical students, and the ongoing academic development of the Faculty. The primary objective is to develop and implement broad-based educational programs utilizing bedside clinical teaching and advanced educational technologies.

The goal of acquiring a full Residency Program in Emergency Medicine remains a high priority. It is supported by the Dean, College of Medicine, Vice President for Health Sciences, and the Faculty. Recruitment of additional faculty is underway to maintain clinical capabilities, enhance the teaching program, and provide the core Faculty for the Emergency Medicine Residency Program.

**EDUCATION:** The Faculty of the Department of Emergency Medicine continues to emphasize education. Alan Heins, M.D., Melissa Costello, M.D. and Michael L. Sternberg, M.D. provide dedicated lectures for medical students. The Emergency Medicine Interest Group is being reconstituted to further Emergency Medicine education. Medical students continue to voluntarily select the Emergency Medicine rotation as one of the most sought after training sites.

The Department of Emergency Medicine provides core faculty for the Introduction to Clinical Medicine course. This adds to the educational experience for the medical students and provides the initial interaction with the Emergency Medicine Attending Faculty. Michael Sternberg, M.D. directs the teaching activities for the third- and fourth-year medical student elective and the Acting Intern Program. Frank S. Pettyjohn, M.D. serves as Medical Director School of Continuing Education, EMS training providing education for Physicians, Housestaff, Medical Students and Emergency Medical Technicians.

**RECRUITING PROGRESS:** The recruiting program continues to be active with the goal of obtaining Emergency Medicine Residency Trained and Board Certified Emergency Medicine Physicians to meet the Emergency Medicine Residency Review Committee requirements.

**FACULTY DEVELOPMENT:** Melissa W. Costello, M.D. continues as Director for the Emergency Medicine Residency Program development; participation by faculty in ACEP Medical Director courses is a priority.

**CLINICAL FACILITIES:** During the 2009-2010 program year, the Department of Emergency Medicine continued to support the operations of the University of South Alabama Medical Center, Level I Trauma Center and Emergency Department.

The Departmental offices are on the 10<sup>th</sup> floor of the University of South Alabama Medical Center. These facilities include advanced audiovisual capabilities, 35mm and digital photographic laboratory, powerpoint slide development and presentation production areas, and a computer learning system. A simulation laboratory has been constructed at the USA Medical Center. The overall computer support system in the University of South Alabama Medical Center Emergency Department has implemented an upgraded hospital intranet providing ready access to laboratory data and radiology. The ED has updated computer and viewing screens for teleradiology which provides the same resolution as the Department of Radiology. A telemedicine capability in the Emergency Medicine Conference Room facilitates educational conferences by national and international experts and Medicine and Surgery Grand Rounds.

The Department of Emergency Medicine continued to provide on-going support to the University of South Alabama Children's and Women's Hospital. Alan E. Heins, M.D. provided Attending coverage and is appointed Medical Director of the Children's Evaluation Center. Close coordination between the University of South Alabama Medical Center, Level I Trauma Center, and the Children's and Women's Evaluation Center has been maintained to provide rapid response for appropriate patient care and transfer requests. Coordination is also maintained between the Department of Obstetrics/Gynecology at the U.S.A. Children's and Women's Hospital and the U.S.A. Medical Center Emergency Department to provide rapid treatment capabilities for adult patients presenting to Children and Women's Hospital with acute medical or surgical conditions.

**RESEARCH:** The Division of Clinical Research entered the fifteenth year of operation. The primary clinical site is the Moorer Building which is located on the University of South Alabama Medical Center Campus. The program is under the direction of the Principal Investigator, Frank S. Pettyjohn, M.D., with Afifa Halim-Kirolos, M.D., as the Coordinator of the Clinical Research Division. All members of the Attending Faculty of the Department of Emergency Medicine support the ongoing clinical research studies. Current projects cover a wide range of clinical areas, ranging from anti-hypertensive agent trials, dyslipidemic treatment trials, and combined hypertension with diabetes trials. This clinical research provides a unique opportunity, clinical support, and an educational location for the Department of Emergency Medicine.