

CURRICULUM VITAE

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II. EDUCATION

<u>School/College</u>	<u>Field of Study</u>	<u>Degree Earned</u>	<u>Year</u>
The University of Texas Medical School at San Antonio	Medicine	MD	1991-95
Baylor University Waco, Texas	Biology	BS, cum laude	1987-91
Scott & White Memorial Hospital Texas A&M University Health Science Center Temple, Texas	EMS	EMT-Paramedic	1990
Oklahoma City Community College Oklahoma City, Oklahoma	EMS	EMT-Intermediate	1989
McLennan Community College Waco, Texas	EMS	EMT-Basic	1988

POST-DOCTORAL TRAINING:

The University of Texas Medical School at Southwestern Medical Center at Dallas	EMS	Fellowship	1998-99
Indiana University School of Medicine Methodist Hospital of Indiana Indianapolis, Indiana	Emergency Medicine Residency		1995-98

CURRICULUM VITAE

III. PROFESSIONAL EXPERIENCE

1. Academic:

- 2012-Present Professor and EMS Section Chief
Director - Center for Prehospital and Disaster Medicine
Department of Emergency Medicine
The University of Oklahoma School of Community Medicine
- 2007-2012 Associate Professor and EMS Division Director
Department of Emergency Medicine
The University of Oklahoma School of Community Medicine
- 2004-2014 Clinical Assistant Professor
Division of Emergency Medicine, Department of Surgery
The University of Texas Medical School
Southwestern Medical Center at Dallas
- 1998-1999 Assistant Instructor
Division of Emergency Medicine, Department of Surgery
The University of Texas Medical School
Southwestern Medical Center at Dallas
Faculty Clinical Duties at Parkland Memorial Hospital
- 1994-1995 Clinical Instructor
Department of Emergency Medical Technology
School of Allied Health
The University of Texas Health Science Center at San Antonio
- 1994-1995 Instructor
Emergency Medicine Collaborative Teaching Program
Department of Emergency Medicine
The University of Texas Medical School
The University of Texas Health Science Center at Houston

2. Administrative:

- 2018-Present Medical Director
- 2010-2016 Oklahoma Highway Patrol Special Response Teams
Tactical, Emergency Medical Services Unit
Riot Control, Bomb, Dive
- 2014-Present Medical Director
Tulsa Community College
Emergency Medical Services Education Program

CURRICULUM VITAE

- 2011-Present Emergency Medicine Advisor
Oklahoma City Thunder Professional Basketball Club
National Basketball Association
- 2010-Present Medical Director
Special Operations Medical Oversight and Support (SOMOS)
Department of Emergency Medicine, EMS Section
University of Oklahoma School of Community Medicine
- 2009-Present Medical Director
Medical Control Board, Emergency Medical Services System for
Metropolitan Oklahoma City & Tulsa, Oklahoma
Metropolitan Medical Response System
- 2008-2009 Associate Medical Director
Medical Control Board, Emergency Medical Services System for
Metropolitan Oklahoma City & Tulsa, Oklahoma
Metropolitan Medical Response System
- 2003-2007 EMS Medical Director
Allen Fire Department
Allen, Texas
- 2001-2007 Medical Director, Emergency Response Team
Plano Police Department
Plano, Texas
- 2000-2007 Medical Director, Automated External Defibrillation Program
City of Plano, Texas
- 2000-2007 Medical Director, Emergency Medical Technician Education
Plano Independent School District
Plano, Texas
- 1999-2007 EMS Medical Director
Plano Fire Department
Plano, Texas
- 1996-1998 Associate EMS Medical Director
Hendricks County EMS Consortium (Avon Fire Department,
Brownsburg Fire Department, Danville Fire Department,
Plainfield Fire Department)
Hendricks County, Indiana

3. Hospital/Agency

- 2011-Present Hillcrest Medical Center, Tulsa, Oklahoma
Emergency Medicine Residency Faculty & Emergency Physician

CURRICULUM VITAE

- 2009-2011 St. John Medical Center, Tulsa, Oklahoma
Emergency Medicine Residency Faculty & Emergency Physician
- 2007-2009 St. Francis Hospital, Tulsa, Oklahoma
Emergency Medicine Residency Faculty & Emergency Physician
- 2006-2011 International Hot Rod Association, Norwalk, Ohio
Track Rescue Team Physician
- 2000-Present Texas Motor Speedway/North Hills Track Hospital
Fort Worth, Texas
Track Physician for:
NASCAR Monster Energy Cup Series
NASCAR Xfinity Series
NASCAR Camping World Truck Series
IndyCar Series
- 1999-2007 Medical Center of Plano, Plano, Texas
Emergency Physician
- 1997-1998 Indianapolis Motor Speedway/Hanna Emergency Medical Center
Track Physician for:
Indy Racing League & NASCAR Winston Cup Series
- 1996-1998 Hendricks Community Hospital, Danville, Indiana
Emergency Resident Physician
- 1996-1998 Indianapolis Raceway Park, Clermont, Indiana
Track Physician for:
National Hot Rod Association US Nationals
- 1996-1998 Methodist Hospital of Indiana, Methodist Health Group
Indianapolis, Indiana
LifeLine Helicopter EMS, Flight Physician
- 1992-1995 American Medical Transport, Rural/Metro Corporation
Pasadena, Texas
EMT-Paramedic
- 1989-1991 American Medical Transport, Rural/Metro Corporation
Waco, Texas
EMT-Intermediate & Paramedic

IV. MILITARY EXPERIENCE

None

CURRICULUM VITAE

V. BOARD CERTIFICATION

Emergency Medicine, American Board of Emergency Medicine
Initial Certification 1999; Recertification 2009, 2019 (expires 12/31/2029)
Emergency Medical Services Medicine, American Board of Emergency Medicine
Initial Certification 2013 (expires 12/31/2027)

VI. LICENSES/CERTIFICATIONS

Physician Licenses:

July 1996 - Present	Indiana
August 1998 - Present	Texas
July 2007 - Present	Oklahoma

EMS Licenses/Certifications:

National Registry of Emergency Medical Technicians
Paramedic (active status)
EMT-Tactical (active status)

Lean/Six Sigma Certifications (accredited by IASSC):

Black Belt
Creative Insights, Inc.
Green Belt
University of Oklahoma Gallogly College of Engineering
White/Yellow Belt – Fundamentals of Lean/Six Sigma
University of Oklahoma Gallogly College of Engineering

VII. RESEARCH AND SCHOLARSHIP

1. Grants/Funded Projects

- a. 2015 EMS Medical Director Course and CQI Practicum. Principal Instructor and Course Coordinator for University of Oklahoma School of Community Medicine, Department of Emergency Medicine, EMS Section. Under contract with Rogers EMS Consulting. Project was completed in June 2015 and entailed delivery of the State of Oklahoma EMS Medical Director Course and CQI Practicum in Antlers, Altus, and Fairview. Direct funding at \$6,000 by Rogers EMS Consulting.
- b. 2014 EMS Medical Director Course and Practicum. Principal Instructor and Course Coordinator for University of Oklahoma School of Community Medicine, Department of Emergency Medicine, EMS Section. Under contract with Rogers EMS Consulting. Project was completed in June 2014 and entailed delivery of the State of Oklahoma EMS Medical Director Course and Practicum in Ardmore and Lawton. Direct funding at \$12,500 by Rogers EMS Consulting.
- c. 2013-14 Update State of Oklahoma EMS Treatment Protocols and EMS Medical Director Course and Practicum. Principal Developer for University of Oklahoma School of Community Medicine, Department

CURRICULUM VITAE

of Emergency Medicine, EMS Section. Under contract with the Oklahoma State Department of Health Protective Health Services EMS/Trauma Division. Project was completed in April 2014 and entailed development of EMS treatment protocols that are endorsed as the official 2014 State of Oklahoma EMS treatment protocols for use by all ground-based EMS agencies. Additional deliverable components included development of update methodologies and curriculum refinement and delivery of the State of Oklahoma EMS Medical Director Course and Practicum in Muskogee and Stillwater. Direct funding at \$40,000 by Oklahoma State Department of Health.

- d. 2011-12 Development of State of Oklahoma EMS Treatment Protocols and EMS Medical Director Course and Practicum. Principal Developer for University of Oklahoma School of Community Medicine, Department of Emergency Medicine, EMS Division. Under contract with the Oklahoma State Department of Health Protective Health Services EMS/Trauma Division. Project was completed in September 2012 and entailed development of EMS treatment protocols that are endorsed as the official State of Oklahoma EMS treatment protocols for use by all ground-based EMS agencies. Additional deliverable components included development of update methodologies and curriculum refinement and delivery of the State of Oklahoma EMS Medical Director Course and Practicum. Direct funding at \$169,000 by Oklahoma State Department of Health.
- e. 2010-11 Development of a white paper on EMS System Design. Principal Editor for University of Oklahoma School of Community Medicine, Department of Emergency Medicine, EMS Division. Project was completed in July 2011 with deliverable exceeding expectation of commissioning entity. Authors were personally recruited from Los Angeles, Salt Lake City, Indianapolis, Birmingham, and Charlotte. Co-Editor is Dr. Stephen H. Thomas. Direct funding at \$27,000 by Emergency Medical Services Authority in Tulsa, Oklahoma.

2. Research Projects

- a. IRB Waived/662445. Paramedic Compliance with a Novel Defibrillation Strategy in a Large, Urban EMS System in the United States. Principal Investigator. Accepted for poster presentation at Canadian Association of Emergency Physicians 2017 Annual Meeting. Abstract published in Canadian Journal of Emergency Medicine. Project involves one EM resident.
- b. IRB Waived/662516. Morbid Obesity Association with Return of Spontaneous Circulation from Sudden Cardiac Arrest Treated in a Large, Urban EMS System in the United States. Principal Investigator. Accepted for poster presentation at Canadian Association of Emergency Physicians 2017 Annual Meeting. Abstract

CURRICULUM VITAE

published in Canadian Journal of Emergency Medicine. Project involves one EM resident.

- c.** IRB Waived/603842. Prevalence and Survival Impact of Bystander Cardiopulmonary Resuscitation in Sudden Cardiac Arrest Victims Treated by a Large, Urban EMS System in North America. Principal Investigator. Accepted for oral presentation at Canadian Association of Emergency Physicians 2015 Annual Meeting. Abstract published in Canadian Journal of Emergency Medicine.
- d.** IRB Waived/603842. Demographics of Twenty-One Years of Sudden Cardiac Arrest Victims Treated by a Large, Urban EMS System in North America. Principal Investigator. Accepted for poster presentation at Canadian Association of Emergency Physicians 2015 Annual Meeting. Abstract published in Canadian Journal of Emergency Medicine.
- e.** IRB Waived/603842. The Prevalence and Impact of Ventricular Fibrillation as the Initial Cardiac Arrest Dysrhythmia over Twenty Years in a Large, Urban EMS System. Principal Investigator. Accepted for poster presentation at National Association of EMS Physicians 2015 Annual Meeting. Abstract published in Prehospital Emergency Care. Accepted for poster presentation at Canadian Association of Emergency Physicians 2015 Annual Meeting. Abstract published in Canadian Journal of Emergency Medicine.
- f.** Other IRB Waived. The Effect of CPR Quality: A Potential Confounder of CPR Clinical Trials and Important National Healthcare Issue. Co-Investigator. Accepted for poster presentation at National Association of EMS Physicians 2015 Annual Meeting. Abstract published in Prehospital Emergency Care.
- g.** IRB Waived/3472. Epinephrine Usage for Allergic Reactions and Anaphylaxis in a Large, Urban EMS System. Principal Investigator. Accepted for poster presentation at Canadian Association of Emergency Physicians 2014 Annual Meeting. Abstract published in Canadian Journal of Emergency Medicine. Accepted for poster presentation at International Conference on Emergency Medicine 2014. Project involves one medical student and one EM resident.
- h.** IRB Waived/3319. Tourniquet Utilization in a Large, Urban EMS System. Principal Investigator. Accepted for poster presentation at National Association of EMS Physicians 2014 Annual Meeting. Abstract published in Prehospital Emergency Care. Accepted for poster presentation at Canadian Association of Emergency Physicians 2014 Annual Meeting. Abstract published in Canadian Journal of Emergency Medicine. Accepted at International Conference on Emergency Medicine 2014. Project involves one EM resident.
- i.** IRB Waived/3330. Airway Management in Adult, Non-Traumatic Cardiopulmonary Arrest in a Large, Urban EMS System. Principal

CURRICULUM VITAE

Investigator. Accepted for poster presentation at National Association of EMS Physicians 2014 Annual Meeting. Abstract published in Prehospital Emergency Care. Accepted for 2 poster presentations at Canadian Association of Emergency Physicians 2014 Annual Meeting. Both abstracts published in Canadian Journal of Emergency Medicine. Accepted for 2 poster presentations at International Conference on Emergency Medicine 2014. Project involves one undergraduate student, one medical student, and one EM resident.

- j.** IRB Waived/3320. Adenosine Usage for PSVT Cardioversion in a Large, Urban EMS System. Principal Investigator. Accepted for poster presentation at National Association of EMS Physicians 2014 Annual Meeting. Abstract published in Prehospital Emergency Care. Accepted for poster presentation at Canadian Association of Emergency Physicians 2014 Annual Meeting. Abstract published in Canadian Journal of Emergency Medicine. Accepted for poster presentation at International Conference on Emergency Medicine 2014. Project involves two undergraduate students.
- k.** IRB Approved. EMS Stretcher “Misadventures” in a Large, Urban EMS System: A Longitudinal Analysis of Contributing Factors and Resultant Injuries. Senior Investigator. Poster presentation at National Association of EMS Physicians 2013 Annual Meeting. Abstract published in Prehospital Emergency Care. Poster presentation at Canadian Association of Emergency Physicians 2013 Annual Meeting. Abstract published in Canadian Journal of Emergency Medicine. Project involves one medical student.
- l.** IRB Approved 16247/1256. Emergency Medical Technician Acquisition and Transmission of 12-Lead ECG Using a Novel Device (ReadyLink). Principal Investigator. Project involves one EM resident and one medical student. Poster presentation at American College of Cardiology 2013 Annual Meeting. Abstract published in Journal of the American College of Cardiology. Poster presentation at Society for Academic Emergency Medicine 2013 Annual Meeting. Poster presentation at Canadian Association of Emergency Physicians 2013 Annual Meeting. Abstract published in Canadian Journal of Emergency Medicine. Manuscript in progress. Project involves one undergraduate student and one EM resident.
- m.** IRB Waived. US Metropolitan Municipalities EMS Medical Directors Consortium (Eagles) Traumatic Shock and Hemorrhage Control Standards of Care Survey. Principal Investigator.
- n.** IRB Waived. US Metropolitan Municipalities EMS Medical Directors Consortium (Eagles) Neurologic Emergencies Standards of Care Survey. Principal Investigator.
- o.** IRB Approved 16038. Prehospital Barriers to the Use of Therapeutic Hypothermia for Cardiac Arrest. Senior Investigator. Poster

CURRICULUM VITAE

presentation at National Association of EMS Physicians 2012 Annual Meeting. Abstract published in Prehospital Emergency Care. Oral presentation at Canadian Association of Emergency Physicians 2013 Annual Meeting. Abstract published in Canadian Journal of Emergency Medicine. Project involved one EM resident and one medical student.

- p.** IRB Waived. Parenteral Dextrose Utilization in a Large, Urban Emergency Medical Services System. Senior Investigator. Poster presentation at National Association of EMS Physicians 2012 Annual Meeting. Abstract published in Prehospital Emergency Care. Poster presentation at Canadian Association of Emergency Physicians 2013 Annual Meeting. Abstract published in Canadian Journal of Emergency Medicine. Project involved one EM resident that presented the poster and one medical student.
- q.** IRB Waived. US Metropolitan Municipalities EMS Medical Directors Consortium (Eagles) State of Cardiopulmonary Resuscitation Practices Survey. Principal Investigator. Poster presentation at Society for Academic Emergency Medicine 2012 Annual Meeting and American College of Cardiology 2012 Annual Meeting. Oral presentation at Canadian Association of Emergency Physicians 2013 Annual Meeting. Abstract published in Canadian Journal of Emergency Medicine. Project involved one EMS fellow.
- r.** IRB Approved. A Statewide Survey of Emergency Department Standards of Care for Acute Coronary Syndromes - Variability and Opportunity for Advancement. Senior Investigator. Poster presentation at American College of Cardiology 2012 Annual Meeting. Project involved two EM residents and two medical students.
- s.** IRB Approved 15336. EMS Stretcher "Misadventures" in a Large, Urban EMS System: A Descriptive Analysis of Contributing Factors and Resultant Injuries. Principal Investigator. Poster presentation at National Association of EMS Physicians 2011 Annual Meeting. Abstract published in Prehospital Emergency Care. Poster Presentation at OU-Tulsa 2011 Research Day. Poster presentation at the Texas Department of State Health Services 2011 EMS Conference Research Forum. Manuscript completed and published in EM International – Special Edition Focus on Prehospital Care. Project involved a medical student that presented the poster and wrote the first draft of the manuscript as well.
- t.** IRB Approved 15335. Use of an Ambulance Siren Low Frequency Enhancer, Howler™ in a Large, Urban Emergency Medical Services (EMS) System - Do Collision Rates Decrease? Principal Investigator. Poster presentation at National Association of EMS Physicians 2011 Annual Meeting. Abstract published in Prehospital Emergency Care. Poster Presentation at OU-Tulsa 2011 Research Day. Poster

CURRICULUM VITAE

presentation at the Texas Department of State Health Services 2011 EMS Conference Research Forum. Project involved an EM resident that presented the poster as well.

- u. IRB Approved. A Statewide Survey of Emergency Medical Services Standards of Care for Acute Coronary Syndromes - Variability and Opportunity in a State without Mandatory Statewide Treatment Protocols. Principal Investigator. Poster presentation at National Association of EMS Physicians 2011 Annual Meeting. Abstract published in Prehospital Emergency Care. Poster Presentation at OU-Tulsa 2011 Research Day. Poster presentation at the Texas Department of State Health Services 2011 EMS Conference Research Forum. Project involved an EM resident.
- v. IRB Approved 14838. EMS Override of Emergency Department EMS Diversion Requests for Clinically Stable Patients with Pre-Existing Health Care Network Relationships - Effects of an Administrative Change. Principal Investigator. Poster Presentation at OU-Tulsa 2010 Research Day. Project involved an EM resident.
- w. IRB Approved 14839. Timeliness of post-intubation capnography application - effects of educational intervention on paramedic performance. Principal Investigator. Poster Presentation at National Association of EMS Physicians 2010 Annual Meeting. Abstract published in Prehospital Emergency Care. Poster Presentation at OU-Tulsa 2010 Research Day. Project involved an EM resident. Project involved an EM resident that presented the poster and wrote a first draft manuscript.

3. Teaching Materials Developed

- a. State of Oklahoma EMS Medical Director Course and Practicum for Oklahoma State Department of Health. Full course developed and delivered in Muskogee, Stillwater, Ardmore, and Lawton in March – June 2014, McAlester, Tulsa, Lawton, and Enid in July/August 2012. Beta course developed and delivered in Oklahoma City in June 2010.
- b. Oklahoma Trauma Education Program (OTEP) 2008. Materials on multi-systems trauma management and transfer, and hand injury management and transfer. Peer reviewed within the Department of Emergency Medicine.

4. Invited Participation in Academic Conferences

- a. National EMS Board Certification Review Course – Dallas, Texas (August 2017 & September 2015), Tucson, Arizona (January 2014), Seattle, Washington (October 2013), and Las Vegas, Nevada (September 2013). Sponsored by ACEP and NAEMSP. Served as course curriculum developer and faculty lecturer.

CURRICULUM VITAE

- b. National EMS Medical Director's Course – Bonita Springs, Florida – (January 2013). Sponsored by NAEMSP. Served as faculty lecturer, panelist, and case study discussion leader.
- c. National EMS Information System (NEMSIS) 3.0 Development Review in Conjunction with EMS Benchmarking in ST Elevation Myocardial Infarction, Out of Hospital Cardiac Arrest, and Stroke – Atlanta, Georgia - (March 2010). Sponsored by the CDC and EMS Performance Improvement Center at University of North Carolina Chapel Hill. Served as an expert opinion contributor, representing The US Metropolitan Municipalities EMS Medical Directors Consortium.
- d. Patient Safety in EMS Roundtable - Niagara Falls, Ontario, Canada - (June 2009). Sponsored by The Canadian Patient Safety Institute (CPSI), the Emergency Medical Services Chiefs of Canada (EMSCC), the Calgary EMS Foundation, and members from a pan-Canadian Patient Safety in EMS Advisory Group. Served as an expert opinion contributor and led discussion group.

5. Other Academic Activity

- a. Staphylococcal Toxic Shock Syndrome: Forgotten Foreign Body. Poster presentation. Scarborough J (resident) and **Goodloe JM**. OU Clinical Vignettes Symposium. May 2020 – Tulsa, Oklahoma.
- b. Gradenigo's: A Forgotten Syndrome. Oral presentation. Milman B (resident) and **Goodloe JM**. OU Clinical Vignettes Symposium. May 2019 – Tulsa, Oklahoma. Awarded most outstanding oral presentation.
- c. 2nd Annual Oklahoma Resuscitation Academy – April 2015, Oklahoma City. Course Coordinator for 2-day national resuscitation conference.
- d. Mass Gathering Medical Care in a Motorsports Event-Based Collaborative Training Program. Accepted for poster presentation at Innovations in EMS Fellow Education Symposium at National Association of EMS Physicians 2014 Annual Meeting. Abstract published in Prehospital Emergency Care. Accepted for oral presentation at Canadian Association of Emergency Physicians 2014 Annual Meeting. Abstract published in Canadian Journal of Emergency Physicians.
- e. Tactical Emergency Medicine Care in a Military Medicine, Law Enforcement, and Emergency Medicine Collaborative Training Program. Accepted for poster presentation at Innovations in EMS Fellow Education Symposium at National Association of EMS

CURRICULUM VITAE

Physicians 2014 Annual Meeting. Abstract published in Prehospital Emergency Care. Accepted for oral presentation at Canadian Association of Emergency Physicians 2014 Annual Meeting. Abstract published in Canadian Journal of Emergency Physicians.

- f. Oklahoma Resuscitation Academy – April 2014, Oklahoma City. Course Coordinator for 2-day national resuscitation conference.

VIII. PUBLICATIONS

1. Peer-Reviewed

- 2020 Moore B, Shah M, Owusu-Ansah S, Gross T, Brown K, Gausche-Hill M, Remick K, Adalgais K, Lyng J, Rappaport L, Snow S, Wright-Johnson C, Leonard J, American Academy of Pediatrics Committee on Pediatric Emergency Medicine, Section on Emergency Medicine EMS Committee and Section on Surgery; American College of Emergency Physicians Emergency Medical Services Committee (**Goodloe JM – Chair**); Emergency Nurses Association Pediatric Committee; National Association of Emergency Medical Services Physicians Standards and Clinical Practice Committee; National Association of Emergency Medical Technicians Emergency Pediatric Care Committee. Pediatric Readiness in Emergency Medical Services Systems. *Prehosp Emerg Care*. 2020 Mar-Apr;24(2):175-179
- Delbridge TR, Dyer S, **Goodloe JM**, Mosesso VN, Perina DG, Sahni R, Pons PT, Rinnert KJ, Isakov AP, Kupas DF, Gausche-Hill M, Joldersma KB, Keehbauch JN. The 2019 Core Content of Emergency Medical Services Medicine. *Prehosp Emerg Care*. 2020 Jan-Feb;24(1):32-45.
- 2019 Lyng JW, White CC 4th, Peterson TQ, Lako-Adamson H, **Goodloe JM**, Dailey MW, Clemency BM, Brown LH. Non-Auto-Injector Epinephrine Administration by Basic Life Support Providers: A Literature Review and Consensus Process. *Prehosp Emerg Care*. 2019 Nov-Dec;23(6):855-861.
- Evidence-Based Guidelines for EMS Administration of Naloxone. Williams K, Lang ES, Panchal AR, Gasper JJ, Taillac P, Gouda J, Lyng JW, **Goodloe JM**, Hedges M. *Prehosp Emerg Care*. 2019 Nov-Dec;23(6):749-763.
- Duval S, Pepe PE, Aufderheide TP, **Goodloe JM**, Debaty G, Labarère J, Sugiyama A, Yannopoulos D. Optimal Combination of Compression Rate and Depth During Cardiopulmonary Resuscitation for Functionally Favorable Survival. *JAMA Cardiol*. 2019; 4(9):900-908.
- 2018 Goolsby C, Jacobs L, Hunt RC, Goralnick E, Singletary EM, Levy MJ, **Goodloe JM**, Epstein JL, Strauss-Riggs K, Seitz SR, Krohmer JR, Nemeth I, Rowe DW, Bradley RN, Gestring ML, Kirsch TD. Stop the Bleed Education Consortium: Education program content and delivery recommendations. *J Trauma Acute Care Surg*. 2018 Jan;84(1):205-210.

CURRICULUM VITAE

- 2017 **Goodloe JM**, Idris AH. Metrics Save Lives: Value and Hurdles Faced. *Curr Opin Crit Care*. 2017 Jun;23(3):204-208.
- Goodloe JM**, Knoles CL, McAnallen D, Cox ML, Howerton DS. When Is the Need for Speed? A Data Driven Approach to Response Time Reform. *Journal of Emergency Medical Services*. 2017 Feb; 42(2):30-38.
- Lurie K, Frascone RJ, **Goodloe JM**. Resuscitation GEMS. Resuscitation Outcomes Consortium (ROC) Studies Dig Deep into the Science of CPR. *Journal of Emergency Medical Services*. 2017 Jan; 42(1): 28-32.
- 2016 Fischer PE, Bulger EM, Perina DG, Delbridge TR, Gestring ML, Fallat ME, Shatz DV, Doucet J, Levy M, Stuke L, Zietlow SP, **Goodloe JM**, VanderKolk WE, Fox AD, Sanddal ND. Guidance Document for the Prehospital Use of Tranexamic Acid in Injured Patients. *Prehosp Emerg Care*. 2016 Sep-Oct;20(5):557-9.
- 2015 Yannopoulos D, Aufderheide TP, Abella BS, Duval S, Frascone RJ, **Goodloe JM**, Mahoney BD, Nadkarni VM, Halperin HR, O'Connor R, Idris AH, Becker LB, Pepe PE. Quality of CPR: An Important Effect Modifier in Cardiac Arrest Clinical Outcomes and Intervention Effectiveness Trials. *Resuscitation*. 2015 Sept; 94:106-13.
- Goodloe JM** and Gerecht R. TXA in the USA. Tranexamic Acid's Potentially Bright Future Relies on Collaborative Data. *Journal of Emergency Medical Services*, 2015 Apr; 40(4):30-5.
- 2014 **Goodloe JM**. Stay on Time. A Conversation about the Importance of Count and Cadence of Chest Compressions. *Journal of Emergency Medical Services*, 39(11) Nov Suppl:36-40.
- Goodloe JM**, Wayne M, Proehl J, Levy MK, Yannopoulos D, Thigpen K, O'Connor RE. Optimizing Neurologically Intact Survival from Sudden Cardiac Arrest: A Call to Action. *West J Emerg Med*. 2014 Nov;15(7)803-7.
- Goodloe JM**, Dailey MW, Heightman AJ. Armed with Naloxone. *Journal of Emergency Medical Services*, 39(8) Aug 28-33.
- Goodloe JM**. Not So Fast on Naloxone? There's Growing Support for Non-Paramedic Use but Keep These Cautions in Mind. (Cover Article). *EMS World*, 43(5):51-52.
- 2013 **Goodloe JM**, Purser J. Praxis for Anaphylaxis: Critical Updates in Assessment and Management of Anaphylactic Shock. *Journal of Emergency Medical Services*, 38(10) Oct 52-56.

CURRICULUM VITAE

2013 **Goodloe JM**, Purser J. ABCs of Epinephrine Autoinjectors. *Journal of Emergency Medical Services*, 38(10) Oct 54.

Goodloe JM, Howerton DS, McAnallen D, Reed H. How Can Tranexamic Acid Help in EMS? TXA Offers New Hope for an Old Challenge in Traumatic Hemorrhagic Shock *EMS World*, 42(5): I5-6.

Goodloe JM, Howerton DS, McAnallen D, Reed H. TXA: A Difference-Maker for Trauma Patients? Role of Tranexamic Acid in EMS & Preoperative Trauma Management. *Journal of Emergency Medical Services*, 38(4) Apr 60-65.

Goodloe JM, Howerton DS, Appleby T. Putting Standards on the Map: Oklahoma Leaders Create Comprehensive Set of Evidence-Based Protocols. *Journal of Emergency Medical Services*, 38(2) Feb 36-38.

2012 **Goodloe JM**. Review of Bobrow et al. Research Manuscript on Layperson Compression-Only CPR. 2013 Lifelong Learning and Self-Assessment Study Guide. *EB Medicine*.

Whelan LJ, Justice WA, **Goodloe JM**, Dixon JD, Thomas SH. Trauma Ultrasound in Civilian Tactical Medicine. *Emergency Medicine International*, 2012; 2012:781570. Epub Nov 15.

Goodloe JM, Reginald TJ, Howerton DS, Winham JO, Appleby T. Attacking Cardiac Arrest, Part II: Feedback-Driven Team Performance Impacts Survival. *Journal of Emergency Medical Services*, 37(9) Sept, 34-39.

Goodloe JM, Reginald TJ, Howerton DS, Winham JO, Appleby T. Attacking Cardiac Arrest: Good Science & Enthusiasm Drive Survival Rates in Oklahoma. *Journal of Emergency Medical Services*, 37(8) Aug, 52-57.

Arthur AO, **Goodloe JM**, Thomas SH. Subcutaneous Fluid Administration: A Potentially Useful Tool in Prehospital Care. *Emergency Medicine International*, 2012; 2012:904521. Epub May 9.

Deal KE, Synovitz CK, **Goodloe JM**, King B, Stewart CE. Tulsa Oklahoma Oktoberfest Tent Collapse Report. *Emergency Medicine International*, 2012; 2012:729795. Epub May 9.

Howerton DS, Winham JO, Reginald TJ, **Goodloe JM**. Beyond Basic Training: How EMT-Basics Can Assist in 12-Lead EKG Acquisition and Transmission. *EMS World*, 41(5) May 2012 *EMS Innovations Supplement*, I4-I5.

CURRICULUM VITAE

- 2012 Justice W, Massie K, **Goodloe JM**. Prepared for the Worst: Tactical Training Offers Many Benefits to EMS. *Journal of Emergency Medical Services*, 37(5) May, 46-50.
- Goodloe JM**, Crowder CJ, Arthur AO, and Thomas SH. EMS Stretcher “Misadventures” in a Large, Urban EMS System: A Descriptive Analysis of Contributing Factors and Resultant Injuries. *Emergency Medicine International*, 2012; 2012:745706. Epub Apr 23.
- Holder P, Arthur AO, Thiems G, Redmon T, Thomas M, **Goodloe JM**, Reginald TJ, Thomas SH. Patients Refusing Prehospital Transport Are Increasingly Likely to Be Geriatric. *Emergency Medicine International*, 2012; 2012:905976. Epub Feb 19.
- Goodloe JM**. Basic Capnography: Advancing BLS Patient Assessment & Management. *Journal of Emergency Medical Services*, 37(3) March, Rapid Results Capnography: A Key Patient Assessment Tool Supplement, S4-S7.
- 2011 **Goodloe JM**. Drug Shortages. Tips to Turn Dilemmas into Discoveries. *Journal of Emergency Medical Services*, 36(12) December, 36-37.
- Goodloe JM**. Inventory Management Tips Might Improve Effects of Drug Shortage. *jems.com*. December 1.
- 2010 **Goodloe JM**. The STEMI Care Race (La course de relais de la prise en charge des patients STEMI). *3SM Magazine du Service de Santé et de Secours Médical des Sapeurs-Pompiers*. December 2010 No. 7.
- Soliman CE, **Goodloe JM**, Thomas SH. Prehospital trauma analgesia. *Reanoxyo: Revue du Club des Anesthésistes-Réanimateurs et Urgentistes Militaires* 2010; Volume 26(2): 38-39.
- Goodloe JM** and Reginald TJ. Chill Factor: Why the Hottest Thing in EMS is Cold. *Journal of Emergency Medical Services*, 35(2) February, 44-53.
- Mechem CC, **Goodloe JM**, Richmond NJ, Kaufman BJ, Pepe PE. Resuscitation Center Designation: Recommendations for Emergency Medical Services Practices. *Prehospital Emergency Care*, 14(1), 51-61.
- 2008 **Goodloe JM**, Stewart CE, Synovitz CK, Deal KE. Big Top Incident: Tulsa EMS Responds to Tent Collapse. *Journal of Emergency Medical Services*, 33(9) September, 42-44.
- Myers JB, Slovis CM, Eckstein M, **Goodloe JM**, Isaacs SM, Loflin JR, Mechem CC, Richmond NJ, Pepe PE. Evidence Based Performance

CURRICULUM VITAE

Measures for Emergency Medical Services Systems: A Model for Expanded EMS Benchmarking. *Prehospital Emergency Care*, 12(2), 141-151.

Non-peer reviewed

- 2016 **Goodloe JM.** Emergency Physicians Encouraged to Draw Attention to Pharmaceutical Drug Shortages. *ACEP Now Newsletter*. March 16. Accessible at acepnow.com
- 2014 The Mobile Integrated Healthcare Practice Collaborative including **Goodloe JM.** “Program Evaluation” Principles for Establishing a Integrated Healthcare Practice. Medtronic Philanthropy. Accessible at mihpresources.com
- 2009 **Goodloe JM.** The STEMI Care Race: Gunder Haag and Roger Bannister must surely be proud of EMS. *Eye of the Eagle Column*. jems.com.

July30.

2. Chapters in Textbooks

- 2017 **Goodloe JM.** "Bronchitis, Pneumonia, and SARS" Tintinalli's Emergency Medicine Manual: 8th Edition. Cline DC, Ma OJ, Cydulka RK, Meckler GD, Handler DA, Thomas ST (Eds) McGraw Hill. New York, USA.
- Thomas SH and **Goodloe JM.** "Foreign Bodies" Rosen's Emergency Medicine - Concepts and Clinical Practice: 9th Edition. Marx J, Hockberger R, Walls R (Eds) Mosby.
- (IN PRESS) Goodloe **JM**, Lippmann M, Fowler R. "Evidence Based EMS Medicine" Paramedic Textbook. Navarro K and Hsieh A (Eds) FA Davis, Philadelphia, USA.
- 2015 Seth NB and **Goodloe JM.** "EMS Finance" Cooney's EMS Medicine. Cooney DR (Ed) McGraw Hill. New York, USA.
- Hogue TD and **Goodloe JM.** "Measuring Performance" Cooney's EMS Medicine. Cooney DR (Ed) McGraw Hill. New York, USA.
- Braithwaite SA and **Goodloe JM.** "Blunt Trauma Considerations" Emergency Medical Services: Clinical Practice and Systems Oversight. Brice J, Cone D, Delbridge T, Myers B (Eds) Wiley. Hoboken, New Jersey, USA.
- Hinchey PR and **Goodloe JM.** "Finance" Emergency Medical Services: Clinical Practice and Systems Oversight. Brice J, Cone D, Delbridge T, Myers B (Eds) Wiley. Hoboken, New Jersey, USA.

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- 2013 Thomas SH and **Goodloe JM**. "Foreign Bodies" Rosen's Emergency Medicine - Concepts and Clinical Practice: 8th Edition. Marx J, Hockberger R, Walls R (Eds) Mosby.
- Goodloe JM**. "Pneumonia, Bronchitis, and Upper Respiratory Tract Infection" Tintinalli's Emergency Medicine: Just the Facts, Third Edition. Cline DC, Ma OJ (Eds) McGraw Hill. New York, USA.
- 2012 **Goodloe JM**. "Avoid Hyperventilation in the Intubated Patient" and "Don't Underestimate Continuous Waveform Capnography in the Intubated Patient" Avoiding Common Errors in Prehospital Medicine. Lawner B, Slovis C, Fowler R, Pepe P, Mattu A, Marcucci L(Eds).
- 2012 **Goodloe JM**. "Bronchitis, Pneumonia, and SARS" Tintinalli's Emergency Medicine Manual: 7th Edition. Cline DC, Ma OJ, Cydulka RK, Meckler GD, Handler DA, Thomas ST (Eds) McGraw Hill. New York, USA.
- Goodloe JM** and Biddinger PD. "Prehospital care and emergency medical services" An Introduction to Clinical Emergency Medicine: 2nd Edition. Mahadevan SV and Garmel GM (Eds) Cambridge University Press, Cambridge, UK.
- Other:**
- a. Abstracts or Posters**
- 2017 **Goodloe JM** (presenter), Vinson LD (EM resident), Cox, ML, Burns BD. Paramedic compliance with a novel defibrillation strategy in a large, urban EMS system in the United States. Poster presentation. Canadian Association of Emergency Physicians Annual Meeting, Whistler, British Columbia. Abstract in Canadian Journal of Emergency Medicine 2017; 19 Suppl 1, S98.
- Goodloe JM** (presenter), Vinson LD (EM resident), Cox, ML, Burns BD. Morbid obesity association with return of spontaneous circulation from sudden cardiac arrest treated in a large, urban EMS system in the United States. Poster presentation. Canadian Association of Emergency Physicians Annual Meeting, Whistler, British Columbia. Abstract in Canadian Journal of Emergency Medicine 2017; 19 Suppl 1, S97-98.
- 2016 Duval S, Pepe PE, **Goodloe JM**, Sugiyama A, Yannopoulos D. The CPR "Sweeter Spot": A Target Combination of Optimal Chest Compression Rate and Depth to Achieve Survival with Favorable Neurological Function After Out of Hospital Cardiac Arrest. [abstract] Circulation 2016;134 Suppl 1: A19230.

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2015 **Goodloe JM** (presenter), Arthur AO, Arthur EN (high school student), Reed H. Prevalence and Survival Impact of Bystander Cardiopulmonary Resuscitation in Sudden Cardiac Arrest Victims Treated by a Large, Urban EMS System in North America. Oral Presentation. Canadian Association of Emergency Physicians Annual Meeting, Edmonton, Alberta. Abstract in Canadian Journal of Emergency Medicine 2015; 17 Suppl 2, S22-3.

Goodloe JM (presenter), Arthur AO, Arthur EN (high school student), Reed H. Demographics of Twenty-One Years of Sudden Cardiac Arrest Victims Treated by a Large, Urban EMS System in North America. Poster Presentation. Canadian Association of Emergency Physicians Annual Meeting, Edmonton, Alberta. Abstract in Canadian Journal of Emergency Medicine 2015; 17 Suppl 2, S64-5.

Goodloe JM (presenter), Arthur AO, Arthur EN (high school student), Braithwaite SA, Reed H. The Prevalence and Impact of Ventricular Fibrillation as the Initial Cardiac Arrest Dysrhythmia Twenty Years in a Large, Urban EMS System. Poster Presentation. Canadian Association of Emergency Physicians Annual Meeting, Edmonton, Alberta. Abstract in Canadian Journal of Emergency Medicine 2015; 17 Suppl 2, S64. Poster Presentation. National Association of EMS Physicians Annual Meeting, New Orleans, Louisiana. Abstract in Prehospital Emergency Care 19(1), 156.

Mahoney B, Yannopoulos D, Aufderheide T, Abella B, Duval S, Frascone R, **Goodloe J**, Nadkarni V, Halperin H, O'Connor R, Idris A, Pepe P, Becker L. The Effect of CPR Quality: A Confounder of CPR Clinical Trials and Important National Healthcare Issue. Poster Presentation. National Association of EMS Physicians Annual Meeting, New Orleans, Louisiana. Abstract in Prehospital Emergency Care 19(1), 156.

2014 **Goodloe JM** (presenter), Martinez M (EM resident/presenter), Arthur AO, Parker S (undergraduate student), Thomas SH. Tourniquet Utilization Patterns & Impacts on Hemostasis in a Large, Urban EMS System. Poster Presentation. National Association of EMS Physicians Annual Meeting, Tucson, Arizona. Abstract in Prehospital Emergency Care 18(1), 161-162. Poster Presentation. Canadian Association of Emergency Physicians Annual Meeting, Ottawa, Ontario. Abstract in Canadian Journal of Emergency Medicine 2014; 16 Suppl 1, S52. Poster Presentation. International Conf for Emergency Medicine, Hong Kong, China.

CURRICULUM VITAE

2014 **Goodloe JM** (presenter), Arthur AO, Holder P (EM resident), Murry W (medical student), Witmer JW, Higgins L (undergraduate student), Thomas SH. Airway Management Practices in Adult Non-Traumatic Cardiac Arrest in a Large, Urban EMS System. Poster Presentation. National Association of EMS Physicians Annual Meeting, Tucson, Arizona. Abstract in Prehospital Emergency Care 18(1), 136-137. Poster Presentation. Canadian Association of Emergency Physicians Annual Meeting, Ottawa, Ontario. Abstract in Canadian Journal of Emergency Medicine 2014; 16 Suppl 1, S88. Poster Presentation. International Conf for Emergency Medicine, Hong Kong, China.

Goodloe JM (presenter), Arthur AO, Holder P (EM resident), Murry W (medical student), Witmer JW, Higgins L (undergraduate student), Thomas SH. Endotracheal Intubation in Adult Non-Traumatic Cardiac Arrest in a Large, Urban EMS System. Poster Presentation. National Association of EMS Physicians Annual Meeting, Tucson, Arizona. Abstract in Prehospital Emergency Care 18(1), 136-137. Poster Presentation. Canadian Association of Emergency Physicians Annual Meeting, Ottawa, Ontario. Abstract in Canadian Journal of Emergency Medicine 2014; 16 Suppl 1, S88. Poster Presentation. International Conference for Emergency Medicine, Hong Kong, China.

Goodloe JM (presenter), Arthur AO, Letson C (undergraduate student), Witmer JW, Thomas SH. Adenosine Utilization and Effect on Supraventricular Tachycardia in a Large, Urban EMS System. Poster Presentation. National Association of EMS Physicians Annual Meeting, Tucson, Arizona. Abstract in Prehospital Emergency Care 18(1), 128. Poster Presentation. Canadian Association of Emergency Physicians Annual Meeting, Ottawa, Ontario. Abstract in Canadian Journal of Emergency Medicine 2014; 16 Suppl 1, S87-88. Poster Presentation. International Conf for Emergency Medicine, Hong Kong, China.

Goodloe JM (presenter), Arthur AO, Cory B (EM resident), McNitt W (medical student), Thomas SH. Presentation of Acute Allergic Reactions in a Large, Urban EMS System. Poster Presentation. Canadian Association of Emergency Physicians Annual Meeting, Ottawa, Ontario. Abstract in Canadian Journal of Emergency Medicine 2014; 16 Suppl 1, S88-89. Poster Presentation. International Conference for Emergency Medicine, Hong Kong, China.

Goodloe JM (presenter), Arthur AO, Genzel R, Burns BD (presenter), Thomas SH. Mass Gathering Medical Care in a Motorsports Event-Based Collaborative Training Program.

CURRICULUM VITAE

Innovations in EMS Fellowship Education Poster Presentation. National Association of EMS Physicians Annual Meeting, Tucson, Arizona. Abstract in *Prehospital Emergency Care* 18(2). Poster Presentation. Canadian Association of Emergency Physicians Annual Meeting, Ottawa, Ontario. Abstract in *Canadian Journal of Emergency Medicine* 2014; 16 Suppl 1, S35.

2014 **Goodloe JM** (presenter), Arthur AO, Justice W, Massie K, Burns BD (presenter), Thomas SH. Tactical EMS Care in a Military Medicine, Law Enforcement, and Emergency Medicine Collaborative Training Program. Innovations in EMS Fellowship Education Poster Presentation. National Association of EMS Physicians Annual Meeting, Tucson, Arizona. Abstract in *Prehospital Emergency Care* 18(2). Poster Presentation. Canadian Association of Emergency Physicians Annual Meeting, Ottawa, Ontario. Abstract in *Canadian Journal of Emergency Medicine* 2014; 16 Suppl 1, S66-67.

2013 Beck EH (presenter), White L, **Goodloe J**, Myers B, Moy H, Tan D, Bourne S, Beeson J, Craig A, Racht E, Mellor J. Mobile Integrated Healthcare Practice: Improving Population Health Through Innovative Alignment of Existing Mobile Health Infrastructure. Poster Presentation. American Public Health Association Annual Meeting, Boston, Massachusetts.

Goodloe JM (presenter), Arthur AO, Rhoades T (medical student), Holder P (EM resident), Winham JW, Thomas SH. EMT-Basic Acquisition and Transmission of 12-lead ECG Using a Novel Device (ReadyLink™). Poster Presentation, Canadian Association of Emergency Physicians Annual Meeting, Vancouver, British Columbia. Abstract in *Canadian Journal of Emergency Medicine* 2013; 15 Suppl 1, S44.

Kallsen T (medical student), Arthur AO, Thomas SH, **Goodloe JM** (presenter). EMS Stretcher “Misadventures” in a Large, Urban EMS System: A Longitudinal Analysis of Contributing Factors and Resultant Injuries. Poster Presentation, Canadian Association of Emergency Physicians Annual Meeting, Vancouver, British Columbia. Abstract in *Canadian Journal of Emergency Medicine* 2013; 15 Suppl 1, S59-60.

Crane RD (EM resident), Arthur AO, Dunn K (medical student), Thomas ST, **Goodloe JM** (presenter). Emergency Medical Services Initiation of Therapeutic Hypothermia in Post-Return of Spontaneous Circulation from Cardiac Arrest: Chillingly Low Rates and Contributing Factors. Oral Presentation, Canadian Association of Emergency Physicians Annual Meeting,

CURRICULUM VITAE

Vancouver, British Columbia. Abstract in Canadian Journal of Emergency Medicine 2013; 15 Suppl 1, S18-19.

2013 **Goodloe JM** (presenter), Lehrfeld D (EMS fellow), Schrank K. A Nationwide Survey of Emergency Medical Services Standards of Care for Cardiac Arrest – Variability Amongst America’s Largest Urban Systems. Oral Presentation, Canadian Association of Emergency Physicians Annual Meeting, Vancouver, British Columbia. Abstract in Canadian Journal of Emergency Medicine 2013; 15 Suppl 1, S19.

Williams E (EM resident), Reginald TJ, Likens J, Arthur AO, Notley D (medical student), Thomas ST, **Goodloe JM** (presenter). Parenteral Dextrose Utilization in a Large, Urban EMS System. Poster Presentation, Canadian Association of Emergency Physicians Annual Meeting, Vancouver, British Columbia. Abstract in Canadian Journal of Emergency Medicine 2013; 15 Suppl 1, S59.

Goodloe JM, Arthur AO (presenter), Rhoades T (medical student), Holder P (EM resident), Winham JW, Thomas SH. EMT-Basic Acquisition and Transmission of 12-lead ECG Using a Novel Device (ReadyLink™). Poster Presentation, Society for Academic Emergency Medicine Annual Meeting, Atlanta, Georgia. Abstract in Academic Emergency Medicine, 20(5), Suppl 1, S272.

Goodloe JM (presenter), Arthur AO, Rhoades T (medical student), Holder P (EM resident), Winham JW, Thomas SH. EMT-Basic Acquisition and Transmission of 12-lead ECG Using a Novel Device (ReadyLink™). Poster Presentation, American College of Cardiology Annual Meeting, San Francisco, California. Abstract in Journal of American College of Cardiology (JACC), March 12, 61(10_S), Supplement A.

Kallsen T (medical student/presenter), Arthur AO, Thomas SH, **Goodloe JM**. EMS Stretcher “Misadventures” in a Large, Urban EMS System: A Longitudinal Analysis of Contributing Factors and Resultant Injuries. Poster Presentation, National Association of EMS Physicians Annual Meeting, Bonita Springs, Florida. Abstract in Prehospital Emergency Care 17(1), 109-110.

Dixon JD, Arthur AO, Williams E (EM resident), **Goodloe JM** (presenter), Thomas SH. Ambulance Patients are More (or Less) Likely to be Insured. Poster Presentation, National Association of EMS Physicians Annual Meeting, Bonita Springs, Florida. Abstract in Prehospital Emergency Care 17(1), 132.

CURRICULUM VITAE

2012 Crane RD (EM resident), Arthur AO, Dunn K (medical student), Thomas ST, **Goodloe JM** (presenter). Emergency Medical Services Initiation of Therapeutic Hypothermia in Post-Return of Spontaneous Circulation from Cardiac Arrest: Chillingly Low Rates and Contributing Factors. Poster Presentation, Texas Department of State Health Services 2012 EMS Conference, Austin, Texas.

Williams E (EM resident), Reginald TJ, Likens J, Arthur AO, Notley D (medical student), Thomas ST, **Goodloe JM** (presenter). Parenteral Dextrose Utilization in a Large, Urban EMS System. Poster Presentation, Texas Department of State Health Services 2012 EMS Conference, Austin, Texas.

Goodloe JM, Lehrfeld D (EMS fellow/presenter), Schrank K, Pepe PE. A Nationwide Survey of Emergency Medical Services Standards of Care for Cardiac Arrest – Variability Amongst America’s Largest Urban Systems. Poster Presentation, Society for Academic Emergency Medicine Annual Meeting, Chicago, Illinois. Abstract in Academic Emergency Medicine, 19(4), Suppl 1, S260.

Goodloe JM (presenter), Lehrfeld D (EMS fellow), Schrank K. A Nationwide Survey of Emergency Medical Services Standards of Care for Cardiac Arrest – Variability Amongst America’s Largest Urban Systems. Poster Presentation, American College of Cardiology Annual Meeting, Chicago, Illinois. Abstract in Journal of the American College of Cardiology (JACC), March 27, 59(13), Supplement A, A87.

Goodloe JM (presenter), Hartline J (medical student), Crane RD (EM resident), Johnson KV (medical student), Reddick EA (EM resident), Synovitz CK. A Statewide Survey of Emergency Department Standards of Care for Acute Coronary Syndromes - Variability and Opportunity for Advancement. Poster Presentation, American College of Cardiology Annual Meeting, Chicago, Illinois. Abstract in Journal of the American College of Cardiology (JACC), March 27, 59(13), Supplement A, A113

Hatfield J (EM resident), Arthur AO, Reddick E (EM resident/presenter), Shear M (medical student), Stilwell A (student), **Goodloe JM**, Thomas ST. Availability of On-Site Helipads Among Acute Care Facilities in Oklahoma. Poster Presentation, National Association of EMS Physicians Annual Meeting, Tucson, Arizona. Abstract in Prehospital Emergency Care 16(1), 160.

CURRICULUM VITAE

2012 Arthur AO, Thomas ST, **Goodloe JM**, Reginald TJ, Thiems G (medical student), Redmon T (medical student), Holder P (medical student/presenter). Patients Refusing Prehospital Transport are Increasingly Likely to be Geriatric. Poster Presentation, National Association of EMS Physicians Annual Meeting, Tucson, Arizona. Abstract in Prehospital Emergency Care 16(1), 164.

Reginald TJ, Crane RD (EM resident), Arthur AO, Dunn K (medical student), Thomas ST, **Goodloe JM** (presenter). Emergency Medical Services Initiation of Therapeutic Hypothermia in Post-Return of Spontaneous Circulation from Cardiac Arrest: Chillingly Low Rates and Contributing Factors. Poster Presentation, National Association of EMS Physicians Annual Meeting, Tucson, Arizona. Abstract in Prehospital Emergency Care 16(1), 182.

Williams E (EM resident/presenter), Reginald TJ, Likens J, Arthur AO, Notley D (medical student), Thomas ST, **Goodloe JM**. Parenteral Dextrose Utilization in a Large, Urban EMS System. Poster Presentation, National Association of EMS Physicians Annual Meeting, Tucson, Arizona. Abstract in Prehospital Emergency Care 16(1), 187.

2011 **Goodloe JM** (presenter), Winham JO, Reginald TJ, Howerton DS, Appleby T, Arthur AO, Roper ED (EM resident), Thomas SH. A Statewide Survey of Emergency Medical Services Standards of Care for Acute Coronary Syndromes - Variability and Opportunity in a State Without Mandatory Statewide Treatment Protocols. Poster Presentation, Texas Department of State Health Services EMS Conference Research Forum. Austin, Texas.

Goodloe JM (presenter), Crowder CJ (medical student), Arthur AO, Thomas SH. EMS Stretcher "Misadventures" in a Large, Urban EMS System: A Descriptive Analysis of Contributing Factors and Resultant Injuries. Poster Presentation, Texas Department of State Health Services EMS Conference Research Forum. Austin, Texas. Second Place Poster Award.

Goodloe JM (presenter), Swope MS (EM resident), Arthur AO, Thomas SH. Use of an Ambulance Siren Low Frequency Enhancer, Howler™ in a Large, Urban Emergency Medical Services (EMS) System - Do Collision Rates Decrease? Poster Presentation, Texas Department of State Health Services EMS Conference Research Forum. Austin, Texas.

Goodloe JM, Winham JO, Reginald TJ (presenter), Howerton DS, Appleby T, Arthur AO, Roper ED (EM resident), Thomas SH. A Statewide Survey of Emergency Medical Services Standards of

CURRICULUM VITAE

Care for Acute Coronary Syndromes - Variability and Opportunity in a State Without Mandatory Statewide Treatment Protocols. Poster Presentation, University of Oklahoma - Tulsa Annual Research Forum.

2011 **Goodloe JM**, Crowder CJ (presenter/medical student), Arthur AO, Thomas SH. EMS Stretcher "Misadventures" in a Large, Urban EMS System: A Descriptive Analysis of Contributing Factors and Resultant Injuries. Poster Presentation, University of Oklahoma - Tulsa Annual Research Forum.

Goodloe JM, Swope MS (presenter/EM resident), Arthur AO, Thomas SH. Use of an Ambulance Siren Low Frequency Enhancer, Howler™ in a Large, Urban Emergency Medical Services (EMS) System - Do Collision Rates Decrease? Poster Presentation, University of Oklahoma - Tulsa Annual Research Forum.

Goodloe JM, Hartline J (medical student), Crane RD (presenter/EM resident), Johnson KV (medical student), Reddick EA (EM resident), Synovitz CK. A Statewide Survey of Emergency Department Standards of Care for Acute Coronary Syndromes - Variability and Opportunity for Advancement. Poster Presentation, University of Oklahoma - Tulsa Annual Research Forum.

Brown EJ (presenter/EM resident), Synovitz CK, Gilpen J, **Goodloe JM**, Burns BD, Justice W, Halcome C. Residents Gain Confidence in Trauma Skills During Special Operations Medical Specialist Course. Poster Presentation, University of Oklahoma - Tulsa Annual Research Forum.

Brown B (presenter/EM resident), Reginald TJ, Williams E (medical student), **Goodloe JM**. Missed STEMI by ECG Software Analysis. Case Report Poster Presentation. University of Oklahoma - Tulsa Annual Research Forum.

Goodloe JM (presenter), Winham JO, Reginald TJ, Howerton DS, Appleby T, Arthur AO, Roper ED (EM resident), Thomas SH. A Statewide Survey of Emergency Medical Services Standards of Care for Acute Coronary Syndromes - Variability and Opportunity in a State Without Mandatory Statewide Treatment Protocols. Poster Presentation, National Association of EMS Physicians Annual Meeting. Bonita Springs, Florida. Abstract in Prehospital Emergency Care 15(1), 131-2.

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2011 **Goodloe JM**, Crowder CJ (presenter/medical student), Arthur AO, Thomas SH. EMS Stretcher "Misadventures" in a Large, Urban EMS System: A Descriptive Analysis of Contributing Factors and Resultant Injuries. Poster Presentation, National Association of EMS Physicians Annual Meeting, Bonita Springs, Florida. Abstract in Prehospital Emergency Care 15(1), 116.

Goodloe JM, Swope MS (presenter/EM resident), Arthur AO, Thomas SH. Use of an Ambulance Siren Low Frequency Enhancer, Howler™ in a Large, Urban Emergency Medical Services (EMS) System - Do Collision Rates Decrease? Poster Presentation, National Association of EMS Physicians Annual Meeting, Bonita Springs, Florida. Abstract in Prehospital Emergency Care 15(1), 115-6.

2010 **Goodloe JM** (presenter), Dixon J, Reginald TJ, Phillips M (EM resident), Sacra JC, Thomas, SH. EMS Override of Emergency Department Diversion Requests - Effects of An Administrative Change. Poster Presentation, Texas Department of State Health Services EMS Conference Research Forum. Austin, Texas.

Reginald TJ, Phillips M (EM resident), **Goodloe JM** (presenter), Thomas SH. Timeliness of post-intubation capnography application - effects of educational intervention on paramedic performance. Poster Presentation, Texas Department of State Health Services EMS Conference Research Forum. Austin, Texas.

Goodloe JM (presenter), Dixon J, Reginald TJ, Phillips M (EM resident), Sacra JC, Thomas, SH. EMS Override of Emergency Department Diversion Requests - Effects of An Administrative Change. Poster Presentation, University of Oklahoma - Tulsa Annual Research Forum.

Reginald TJ, Phillips M (presenter/EM resident), **Goodloe JM**, Thomas SH. Timeliness of post-intubation capnography application - effects of educational intervention on paramedic performance. Poster Presentation, University of Oklahoma - Tulsa Annual Research Forum.

Reginald TJ, Phillips M (presenter/EM resident), **Goodloe JM**, Thomas SH. Timeliness of post-intubation capnography application - effects of educational intervention on paramedic performance. Poster Presentation, National Association of EMS Physicians Annual Meeting, Phoenix, Arizona. Abstract in Prehospital Emergency Care 14(S1), 32.

CURRICULUM VITAE

- 2009 Stewart CE (presenter), Synovitz C, **Goodloe JM**, King B, Deal KE, Munn J. Octoberfest Tent Collapse. Poster Presentation, World Congress on Disaster and Emergency Medicine, Victoria, British Columbia.
- 2008 Stewart CE (presenter), Synovitz CK, **Goodloe JM**, King B, Deal KE, Munn J. Octoberfest Tent Collapse, Poster Presentation, University of Oklahoma, College of Medicine, Tulsa, OK.
- 1999 **Goodloe JM** (presenter/EMS fellow), Rinnert KJ, Zachariah BS. Attitudes of Urban and Suburban Paramedics Toward EMS Physician Field Response. Poster Presentation, National Association of EMS Physicians Annual Meeting, Marco Island, Florida. Abstract in Prehospital Emergency Care 3(1), 90.
- 1998 **Goodloe JM** (presenter/EM resident), Zachariah BS, Davis S (medical student). Emergency Medical Services at a Major International Airport: A Descriptive Analysis and Pilot Study to Assess Injury Prevention and Control Capabilities. Poster Presentation, National Association of EMS Physicians Mid-Year Meeting, Lake Tahoe, Nevada. Abstract in Prehospital Emergency Care 2(3), 237. Oral presentation, Emergency Medicine Research Day, Indiana Univ School of Medicine/Methodist Hospital of Indiana.

b. Editorials, position papers, background papers

- 2012 Thomas SH, Colwell C, Dyer S, **Goodloe JM**, Deslandes JC. Prehospital Care. Emergency Medicine International, 2012; 2012:965480. Epub Jul 11.

Goodloe JM and Thomas SH. Focusing Energies on Chest Compression Fraction: It's the Forest, Not the Trees. Resuscitation, 83, 535-536.

c. Original invited lectures and presentations published for distribution

- 2019 **Goodloe JM**. 1) Sweetening Up the CPR Sweet Spot: Identifying Optimal Combinations of Compression Rate & Depth. 2) Concise Device Advice: Examining CPR Quality-Device Interactions. 2nd Annual International State of the Future of Resuscitation Conference. Paris, France (October)

Goodloe JM. Tornadoes in Oklahoma: Implications for "Vulnerable" Populations. SAEM Regional Conference UT Southwestern Medical Center – Dallas, Texas (September)

CURRICULUM VITAE

2019 **Goodloe JM**, Gallagher JM, Duerring S, Ferguson W. EMS Panel Discussion. EMerald Coast Conference. Miramar Beach (Sandestin) Florida (June).

Weber JM, Mason CF, Bronsky ES, **Goodloe JM**. Different Strokes for Different Folks: 2019 On-Going Issues in Stroke Care. Balancing the Scales, 1-Stroke Handicaps & Mobile Cerebral Telepathy. **Goodloe JM** and Pepe PE. Alternative Motives: Destinations Other Than Traditional Hospital-Based EDs. EMS State of the Science XXI: A Gathering of Eagles - Dallas, Texas (March). The US Metropolitan Municipalities EMS Medical Directors Consortium.

Goodloe JM, Knoles C, Howerton DS. Reimagining and Engineering Airway Management in EMS Systems. Pepe PE, Racht E, **Goodloe JM**, Levy MK, McCoy AM, Augustine J, Schepke K, Banerjee P. The Eagles Panel. EMS Today – Washington, DC (February). The Journal of Emergency Medical Services Annual Conference.

Goodloe JM. Does Anybody Really Know What Time It Is (That Makes a Clinical Difference AND a People Difference in 2019!). Advanced Topics in Medical Direction Pre-Conference. National Association of EMS Physicians Annual Meeting – Austin, Texas (January)

2018 **Goodloe JM**. 1) Bi-Cycling Pumps: Using Active Compression Decompression (ACD) in CPR. 2) MONA Goes LISA: Changing the Fine Art of STEMI Management. 3) Alternative Motives: Destinations other than Traditional Hospital-Based Emergency Departments. 4) One Stroke Handicap: Escaping the Web of Best Practices in Stroke Care. 1st Annual EMS State of the Science 2018: A Gathering of Seagles Conference. Memorial Healthcare System. Hollywood, Florida (November)

Goodloe JM. Advanced Concepts of “Basic” Airway Management in EMS Medicine. Emergency Medical Services Authority Conference – Advancing the Art & Science of EMS Medicine. Edmond, Oklahoma (October)

Goodloe JM. Termination of Cardiac Arrest Resuscitation – Do We Know When to Say When? Hillcrest Medical Center Fall CME Symposium. Kansas City, Missouri (September)

Goodloe JM, Jobrack J. “EMS Update on Anaphylaxis” 2018 Indiana Emergency Response Conference. Indianapolis, Indiana (September)

CURRICULUM VITAE

- 2018 **Goodloe JM**, Gearhart D, Cody P. EMS Medicine Update for the Emergency Physician and Primary Care Physician. Panel Discussion. 21st Annual Emergency Medicine Review Conference. Oklahoma State University Center for Health Sciences, College of Osteopathic Medicine. Tulsa, Oklahoma (June)
- Goodloe JM**, Gallagher JM, Nafziger S. Things That Drive Me Crazy About EMS and What Can I Do About Them? Panel Discussion. SEC/BIG 12 ACEP Chapters Educational Conference: Emergency Medicine Then & Now. Miramar Beach (Sandestin) Florida (June).
- Goodloe JM**. 1) The Ranges of Ch-Ch-Ch-Changes! How Often Do Eagle Medical Directors Modify Protocols? 2) MONA Goes LISA: Changing the Fine Art of STEMI Management. 3) Nixing the Nickel and Dime (“5 to 10”) Paradigm: A Reality Check on Scene and Transport Time Intervals. EMS State of the Science XX: A Gathering of Eagles - Dallas, Texas (March). The US Metropolitan Municipalities EMS Medical Directors Consortium.
- Goodloe JM** (panel moderator), Myers JB, Youngquist S, Jacobs M. The Pressure is on Resuscitation (Intrathoracic Pressure Regulation); Dickinson E, Kivlehan S, Shepherd M, Youngquist S, **Goodloe JM**. Cardiac Arrest: Resuscitation Latest Advances; Pepe PE, Persse D, **Goodloe JM**, Levy M, Youngquist S, Schepke K, Richmond N. “Does Anybody Really Know What Time It Is...That Makes a Clinical Difference AND a People Difference in 2018” as part of The Eagles Unplugged - Lightning Round. EMS Today – Charlotte, North Carolina (February). The Journal of Emergency Medical Services Annual Conference.
- Fowler R, **Goodloe JM**. Stop the Bleed Education Debate. Advanced Topics in Medical Direction Pre-Conference; Gallagher JM, **Goodloe JM**, Howerton DS. Credentialing Pearls: Tales of Bumps, Bruises, & Success. National Association of EMS Physicians Annual Meeting – San Diego, California (January)
- 2017 **Goodloe JM**. 1) Catalyst for Analysis: Cardiac Arrest Resuscitation Analytic Discoveries. 2) Active Compression Decompression CPR: Bi cycling the Pump in Intrathoracic Pressure Regulation. 3) Tipping the Scales in Defibrillation: Leveraging Weight-Based Energies & Vectors. Eagles Pre-Conference and Eagles Track in Main Conference with Pepe PE, Schepke K, Antevy P, Colwell C, Elder J, Persse D. Emergency Cardiovascular Care Update (ECCU) 2017 – New Orleans, Louisiana (December).

CURRICULUM VITAE

- 2017 **Goodloe JM.** Advances in Sudden Cardiac Arrest Care – Outside & Inside the Hospital. Hillcrest Medical Center Fall CME Symposium. Dallas, Texas (October)
- Goodloe JM.** Progressive Resuscitation: Advances in Cardiac Arrest & Stroke Care. Saint Francis Hospital Trauma & Stroke Symposium. Tulsa, Oklahoma (September)
- Goodloe JM.** EMS Response: Hot or Not? Does Anybody Really Know What Time It Is That Makes a Clinical Difference in 2016 AND That Makes a Personnel Difference in 2017? St. Vincent Hospital Emergency Medicine Symposium. Indianapolis, Indiana (May)
- Goodloe JM.** 1) Demystifying Dialysis Disasters: Best Practices in EMS Care for the Renal Failure Patient. 2) Hematology and Oncology Emergencies in EMS: You Mean There Are Cancer Emergencies? 3) Active Compression/Decompression CPR: Can Doubling Up the Historical One-Stroke Compression Cycle Save More Lives? Wesley K, **Goodloe JM**, Richmond N, Escott MEA. Is It the Holy Grail or Not? The Case Against Ketamine; Pepe PE, Slovis CM, Taillac PP, Holley JE, **Goodloe JM**, Ellis C, Manifold C. Eagles Lightning Round. EMS Today – Salt Lake City, Utah (February). The Journal of Emergency Medical Services Annual Conference.
- Goodloe JM.** 1) Tallying Total Task Time to Tacitly Tender the Team – Building a Better Scene Coordination Protocol to Improve Morale. 2) An Inversion to the Incursion of Diversion: An Alternative Approach to Re-routing Requests. EMS State of the Science XIX: A Gathering of Eagles - Dallas, Texas (February). The US Metropolitan Municipalities EMS Medical Directors Consortium.
- Goodloe JM.** 1) Code 3 Response: Hot or Not? Does Anybody Really Know What Time It Is That Makes a Clinical Difference in 2016 AND That Makes a Personnel Difference in 2017? Advanced Topics in Medical Direction Pre-Conference. Sahni R, Gallagher JM, Goodloe JM, Rostykus P, Schoenwetter D. Ask the Experts Panel. National Association of EMS Physicians Annual Meeting – New Orleans, Louisiana (January)
- 2016 **Goodloe JM.** 1) New Insights into the Future of EMS and ACEP EMS Updates. Advanced EMS Practitioners Forum and Workshop. American College of Emergency Physicians 16 – Las Vegas, Nevada (October)

CURRICULUM VITAE

2016 **Goodloe JM.** Optimal Cardiopulmonary Resuscitation Practices and Active Compression-Decompression CPR. Hillcrest Medical Center Grand Rounds – Tulsa, Oklahoma (July).

Goodloe JM. Optimal Cardiopulmonary Resuscitation Practices and Active Compression-Decompression CPR. Oklahoma EMT Association Annual Conference – Tulsa, Oklahoma (July).

Lurie KG and **Goodloe JM.** Active Compression Decompression CPR. Pepe PE, Slovis CM, Ornato J, Persse DE, **Goodloe JM**, Levy MK, Taillac PP, Colwell CB, Holley JE, Miramontes DA. Lightning Rounds. Ask the Eagles. Update from the Eagles Conference. National Urban EMS Medical Directors. **Goodloe JM** 1) Flash Pulmonary Edema: Drowning in Dogma or Death Defying in Discovery? 2) EMS TXA in the 2016 USA. EMS Today - Baltimore, Maryland (February). The Journal of Emergency Medical Services Annual Conference.

Goodloe JM. 1) Please Take Time Out: Challenging the Perennial Obsession with Response Intervals. 2) (w. Holley JE co-presenting) Taking the Guessing Out of Decompressing the Pressing: Post-FDA Experience with ACD-ITD CP. EMS State of the Science XVIII: A Gathering of Eagles - Dallas, Texas (February). The US Metropolitan Municipalities EMS Medical Directors Consortium.

2015 **Goodloe JM.** Put a Cork in It. Tranexamic Acid and Hemostatic Agents. Code 3 Conference. Washington University School of Medicine – St. Louis, Department of Emergency Medicine – St. Charles, Missouri (October).

Goodloe JM, Howerton DS, and McAnallen D. Optimal Cardiopulmonary Resuscitation Practices and Active Compression-Decompression CPR. Oklahoma EMT Association Annual Conference – Tulsa, Oklahoma (July).

Goodloe JM. 1) 10 “Take-Homes” from 10 Tense Days of Tornadoes. 2) Tranexamic Acid in EMS Medicine. South Texas Regional Advisory Council (STRAC) Regional Emergency Healthcare Systems Conference – San Antonio, Texas (May).

Goodloe JM. 10 “Take-Homes” from 10 Tense Days of Tornadoes. Keynote Session. **Goodloe JM**, McAnallen D. Optimal Team Dynamics of Pre-Hospital Cardiac Arrest Resuscitation. Tulsa Community College Public Safety and EMS Symposium. Tulsa, Oklahoma (March).

CURRICULUM VITAE

- 2015 **Goodloe JM.** Not Much Pause Should Be Your Cause: 2015 Ways to Analyze Cardiac Arrest Performance. EMS State of the Science XVII: A Gathering of Eagles - Dallas, Texas (February). The US Metropolitan Municipalities EMS Medical Directors Consortium.
- Goodloe JM.** Hot Topics: Naloxone Administration by EMTs & Law Enforcement Officers – Panacea or Pandora? National Association of EMS Physicians Annual Meeting - New Orleans, Louisiana (January).
- 2014 Beck E, Racht E, Beeson J, **Goodloe JM.** Pinnacle Power Seminars. Making Integration Happen: A Playbook for Getting Your MIHP Up & Running. Pinnacle EMS Leadership Conference – Scottsdale, Arizona (July)
- Ossmann E, **Goodloe JM,** Braithwaite SA. Pinnacle Power Seminars. How Evidence-Based Medicine will Reshape the Practice of EMS: A Clinical Update. Pinnacle EMS Leadership Conference – Scottsdale, Arizona (July)
- Goodloe JM,** Beck EH, and Racht E. 1) Cardiac Arrest Analytics: Constructing and Reading the Dashboard. 2) Optimal Team Dynamics of Pre-Hospital Cardiac Arrest Resuscitation. Emergency Cardiovascular Care Update (ECCU) 2014 – Las Vegas, Nevada (June).
- Goodloe JM.** 1) 10 “Tentative Take-Homes” from 10 Tense Days of Tenacious Tornadoes...That Took Tens of Homes – All in a Ten-Minute Talk. 2) Drugs Falling into the Wrong Hands – or Not? Naloxone Use by Non-EMS Personnel. EMS State of the Science XVI: A Gathering of Eagles - Dallas, Texas (February). The US Metropolitan Municipalities EMS Medical Directors Consortium.
- Beck EH and **Goodloe JM.** Cardiac Arrest Team Dynamics: Yes, We Can Save More Lives. **Goodloe JM.** The DNA & ETA of EMS Tranexamic Acid – Where Are We? Beck EH, Myers JB, Beeson J, **Goodloe JM,** Bourne S, White L. New Perspectives and Next Steps: Translating Mobile Integrated Healthcare into Policy. EMS Today – Washington, DC (February). The Journal of Emergency Medical Services Annual Conference & Exposition.
- Goodloe JM.** 1) Hot Topics: Tranexamic Acid in EMS. 2) Blown Away: 10 Days of Tornadoes. 3) Tranexamic Acid in EMS – Advanced Topics in Medical Direction Pre-Conference. National

CURRICULUM VITAE

Association of EMS Physicians Annual Meeting – Tucson, Arizona (January)

2013 **Goodloe JM.** 1) The EMS Praxis for Anaphylaxis. 2) High-Risk Patients: Case Studies to Keep You on the Leading Edge. 3) Team Dynamics in Cardiac Arrest Resuscitation: Can We Save More Lives? Yes, We Can! North Lake Tahoe Fire Protection District 18th Annual Paramedic Refresher and CE Program – Incline Village, Nevada (December)

Goodloe JM. Pearls in Out of Hospital Mechanical Ventilation. Pre-Conference/Satellite Symposium, Air Medical Transport Conference – Virginia Beach, Virginia (October)

Goodloe JM. 1) A New Praxis for Anaphylaxis: Re-Thinking Its Presentation & Treatment Concepts. 2) A New Twist on the Bleeding Control Issue: Recent Civilian Experiences with Tourniquets. 3) Whatever You Do, Please Don't Be Late! EMS Use of Tranexamic Acid. Advanced EMS Practitioners Forum and Workshop. American College of Emergency Physicians 13 – Seattle, Washington (October)

Goodloe JM. 1) The EMS Praxis for Anaphylaxis. 2) Team Dynamics in Cardiac Arrest: Can We Save More Lives? Yes, We Can! 3) TRANscending a new EXAMination & Understanding of an old ACID: The Role of Tranexamic Acid in EMS – The Ravens Medical Directors/Advisors Pre-Conference. 7th Annual Anchorage RACI Conference: The State of the Art in Cardiac Resuscitation and Critical Care Intervention. Loren Marshall Foundation – Anchorage, Alaska (May)

Goodloe JM. 1) The EMS Praxis for Anaphylaxis. 2) We Don't Know How It Works, But It Works! TRANscending a new EXAMination & Understanding of an old ACID: The Role of Tranexamic Acid in EMS. EMS State of the Science XV: A Gathering of Eagles - Dallas, Texas (February). The US Metropolitan Municipalities EMS Medical Directors Consortium.

Goodloe JM. The EMS Praxis for Anaphylaxis. American Medical Response eGrand Rounds National Webinar – January.

Goodloe JM. 1) EMS System Design. 2) Political Pitfalls in EMS Medical Direction Panel Forum. 3) EMS Case Study Curriculum Discussion Leader. National EMS Medical Director's Course (NAEMSP) – Bonita Springs, Florida (January)

CURRICULUM VITAE

2012 **Goodloe JM.** 1) Basic Training: BLS Use of the 12-Lead Electrocardiograph. 2) Gadgets, Gizmos of Life-Saving Device: Should We Budget for All Those CPR Adjuncts? 3) Sticking Your Neck Out in Trauma Care: Is Spinal Immobilization Elemental or Detrimental? 4) Basic EMS Capnography: Building Blocks for Airway Management and Patient Assessment. 5) Expanding the BLS Scope of Practice. 6) Advanced EMS Capnography: Where are we? Where can we go? 7) Team Dynamics in Cardiac Arrest Resuscitation: Can We Save More Lives? You Bet Your Keister We Can! Texas EMS Conference – Austin, Texas (November). Texas Department of State Health Services.

Goodloe JM. 1) It Ain't Over till It's Over: 2012 Ways for Terminating Resuscitative Efforts. 2) We're Just Getting Started: Post-Resuscitation Management – Constructing and Navigating the Dashboard for Survival. Emergency Cardiovascular Care Update (ECCU) 2012 – Orlando, Florida (September). Citizen CPR Foundation.

Goodloe JM. TRANscending a New Understanding through EXAMination of an Old ACID: The Role of Tranexamic Acid (TXA) in Preoperative Trauma Management. Fifth Annual EMS Conference - Tulsa, Oklahoma (August). EMS Section, Department of Emergency Medicine, The University of Oklahoma School of Community Medicine.

Goodloe JM. 1) EMS Termination of Resuscitation: Best Practices for a Difficult Task. 2) Patient Refusals: Isn't It Just Sign on the Line? 3) Evidenced Based State EMS Protocols – State of Kansas EMS Medical Director's Course. Featured National Speaker. Last Blast of Summer Conference – Wichita, Kansas (August). Kansas EMS Association.

Goodloe JM. 1) High-Risk Patients: Case Studies to Keep You on the Leading Edge. 2) Patient Refusals: Isn't It Just Sign on the Line? 3) Trauma Triage: New CDC/NHTSA Helicopter Guidelines – Conference Keynote Presentation, co-presented with Thomas SH. Missouri State EMS Conference – Branson, Missouri (August). Missouri EMS Association.

Goodloe JM. 1) Basic Training: BLS Use of the 12-Lead Electrocardiograph. 2) It Ain't Over till It's Over: 2012 Ways to End Resuscitative Efforts. 3) We're Just Getting Started: Using a Post-Resuscitation Efforts Dashboard. EMS State of the Science XIV: A Gathering of Eagles - Dallas, Texas (February). The US Metropolitan Municipalities EMS Medical Directors Consortium.

CURRICULUM VITAE

2012 **Goodloe JM.** EMS Standards of Care Alterations in Response to Snowstorm. Mid-America Regional Council Emergency Rescue Committee Meeting – Kansas City, Missouri (February).

Goodloe JM. Regional Centers. Advanced Topics in Medical Direction Conference. National Association of EMS Physicians Annual Meeting & Scientific Assembly – Tucson, Arizona (January).

2011 **Goodloe JM.** 1) EMS Capnography 2011 - Where are we? Where should we be? Texas EMS Conference - Austin, Texas (November). Texas Department of State Health Services.

Goodloe JM, Reginald TJ, Winham JO, Howerton DS. Protocol Development for Advancing Oklahoma's EMS Standards: The 2013 State of Oklahoma EMS Treatment Protocols Journey. Fourth Annual EMS Conference - Tulsa, Oklahoma (August). EMS Division, Department of Emergency Medicine, The University of Oklahoma School of Community Medicine.

Goodloe JM. EMS Standards of Care Alterations in Response to Snowstorm. National Urban Area Security Initiative (UASI) & Homeland Security Conference - San Francisco, California (June). UASI and Department of Homeland Security.

Goodloe JM. 1) To Tube or Not to Tube: The Role of Intubation in Resuscitation. 2) When to Stop: Termination of Resuscitation Decisions. EMS Regional Conference - Resuscitation Excellence: Building Upon Past Success via the Implementation of the 2010 American Heart Association Guidelines - New York, New York (May). Fire Department New York (FDNY)/FDNY Foundation.

Goodloe JM. The Importance of Regional Collaboration. Heart Alert: Southwest Texas Regional Advisory Council for Trauma Regional Cardiac Summit - San Antonio, Texas (February).

Goodloe JM. 1) It's Important to Make Waves: EtCO₂ Analysis as the Airway Gold Standard. 2) Rockin' the Stockin': Oklahoma Approaches to Tracking Drug Utilization. EMS State of the Science XIII: A Gathering of Eagles - Dallas, Texas (February). The US Metropolitan Municipalities EMS Medical Directors Consortium.

CURRICULUM VITAE

2011 **Goodloe JM** and Thomas SH. Hypothermie thérapeutique en préhospitalier, expérience américaine. Thomas SH and **Goodloe JM**. Prehospital analgesia. Secours Santé – Nice, France (February). Journées scientifiques européennes du service médical des sapeurs-pompiers.

2010 **Goodloe JM**. 1) EMS Termination of Resuscitation: Best Practices for a Difficult Task. 2) EMS Capnography 2010 - Where are we? Texas EMS Conference - Austin, Texas (November). Texas Department of State Health Services

Goodloe JM. 1) The State of the State of EMS Emergency Cardiovascular Care in Oklahoma. 2) Panel Discussion: You're Doing What? Best Practices in EMS. 3) EMS: Trapeze Artists, Lion Tamers, & Ringmasters: Sharing Our Circus Without Suiting Up as Human Cannonballs. EMS Medical Directors Seminar - Austin, Texas (October). Texas College of Emergency Physicians.

Goodloe JM, Winham JO, Reginald TJ, Howerton DS. The State of the State of EMS Emergency Cardiovascular Care in Oklahoma. Third Annual EMS Conference - Tulsa, Oklahoma (August). EMS Division, Department of Emergency Medicine, The University of Oklahoma School of Community Medicine.

Goodloe JM. Patient Refusals: Isn't It Just Sign on the Line? **Goodloe JM** and Howerton DS. High Risk Patients: Case Studies to Keep You on the Leading Edge. Medic Update - Enid, Oklahoma (July). Oklahoma EMT Association Annual Conference.

Goodloe JM. The Science & Art of Prehospital Trauma Care - What Does "Clinically Important" Time Management Really Mean? Trauma Symposium: A New Decade of Trauma Care Oklahoma City, Oklahoma (May). OU Medical Center

Goodloe JM and Winham JO. Needlestick at 0300. What Will You Do to Keep Your Personnel (and Yourself!) Safe? **Goodloe JM** and Howerton DS. High Risk Patients: Case Studies to Keep You on the Leading Edge. Pepe PE, Fowler R, **Goodloe JM**, Beeson J. Update from the Eagles Conference - What's Hot? What's Not? Pepe PE, Slovis CM, Fowler R, **Goodloe JM**, Beeson J. Lightning Rounds - Ask the Eagles. National Urban EMS Medical Directors. EMS Today - Baltimore, Maryland (March). The Journal of Emergency Medical Services Annual Conference

CURRICULUM VITAE

2010 **Goodloe JM.** Getting a Head in Cycle Somatic Injuries: OK(lahoma) Ways to Remove a Helmet. EMS State of the Science XII: A Gathering of Eagles - Dallas, Texas (February). The US Metropolitan Municipalities EMS Medical Directors Consortium

2009 **Goodloe JM.** 1) Patient Refusals: Isn't It Just Sign on the Line? 2) Ventilations and Compressions: The Science Behind Blowing Slow and Pumping Fast. Texas EMS Conference - Fort Worth, Texas (November). Texas Department of State Health Services

Thomas SH and **Goodloe JM.** Update in EMS Literature: What's Hot and What's Not? Burstein J and **Goodloe JM.** ALS Versus BLS: What Does the Evidence Say? Scientific Assembly - Boston, Massachusetts (October). American College of Emergency Physicians.

Goodloe JM. EMS Termination of Resuscitation: When We Know That We Know When It's When to Say When (or Do We?). EMS Medical Directors Seminar - Galveston, Texas (September). Texas College of Emergency Physicians.

Goodloe JM. H1N1 Flu: Implications for EMS. Flu Facts for the Frontline Symposium - Tulsa, Oklahoma (September). Oklahoma Institute for Disaster and Emergency Medicine, Department of Emergency Medicine, The University of Oklahoma School of Community Medicine.

Goodloe JM, Reginald TJ, Howerton DS. The State of the State of Therapeutic Hypothermia in Oklahoma. Second Annual EMS Conference - Tulsa, Oklahoma (August). EMS Division, Department of Emergency Medicine, The University of Oklahoma School of Community Medicine.

Slovis CM, Persse D, Schrank K, Locasto D, **Goodloe JM.** Report from the Eagles Panel - What's Hot? What's Not? Slovis CM, Schrank K, Persse D, **Goodloe JM.** Lightning Rounds - Ask the Eagles. EMS Today - Baltimore, Maryland (March). The Journal of Emergency Medical Services Annual Conference.

Goodloe JM. The Importance of Tidal Waves: Continuous Capnography and Patient Safety. EMS State of the Science XI: A Gathering of Eagles - Dallas, Texas (February). The US Metropolitan Municipalities EMS Medical Directors Consortium.

CURRICULUM VITAE

- 2008 **Goodloe JM.** Patient Refusals: Best Practices When Patients Don't Want You. EMS Medical Directors Seminar - San Antonio, Texas (September). Texas College of Emergency Physicians
- Goodloe JM,** Reginald TJ, Howerton DS. Capnography. First Annual EMS Conference - Oklahoma City, Oklahoma (August). Oklahoma Institute for Disaster and Emergency Medicine, Department of Emergency Medicine, The University of Oklahoma College of Medicine-Tulsa.
- 2007 **Goodloe JM.** Advancing the System: Credentialing and Evaluating Personnel. EMS Medical Directors Seminar - Dallas, Texas (September). Texas College of Emergency Physicians
- 2006 **Goodloe JM** and Griffin R. Needlestick at 0300. What Will You Do to Keep Your Personnel (and Yourself!) Safe? EMS Medical Directors Seminar - Galveston, Texas (September). Texas College of Emergency Physicians.
- 2005 **Goodloe JM.** Cardiac Arrest 2005: The Advancing Science and Art of Resuscitation. Controversies in EMS Conference - Temple, Texas (November). Department of Emergency Medicine, Texas A&M Health Science Center/Scott & White Hospital.
- Goodloe JM.** Cardiac Arrest 2005: The Advancing Science and Art of Resuscitation. EMS Medical Directors Seminar - San Antonio, Texas (September). Texas College of Emergency Physicians.
- 2000 **Goodloe JM.** Pediatric Airway Management & Rapid Sequence Intubation. Medical City Hospital of Dallas Annual EMS Conference. Dallas, Texas (March). Medical City of Hospital of Dallas.

IX. TEACHING ACTIVITIES

1. Scheduled Teaching Assignments, 2007-Present

a. Medical Student & Resident Teaching

- i. OU Medical Student Interest Group – Invited speaker on EMS
- ii. OU Medical Student Emergency Medicine Rotation – attending supervision and teaching in emergency department
- iii. Basic Disaster Life Support Course
- iv. Advanced Disaster Life Support Course
- v. Emergency Resident Core Orientation course on ECGs – 4 hours
- vi. Emergency Resident Core Orientation course on EMS – 4 hours

CURRICULUM VITAE

- vii. Emergency Medicine attending supervision and teaching, 10+ ED shifts/month, 10 hours/shift, 4-6 residents/shift, 1-4 medical students/shift.

2. Teaching Initiatives

a. Faculty Teaching

- 2020 IMPLICATIONS OF SARS-CoV-2 & COVID-19
OUDEM Residency – March

- 2019 RUMINATIONS OF ACADEMIC REALITIES
 TERMINATION OF RESUSCITATION
 OPIOID USE DISORDER
 THE EVIDENCE OF EBM
OUDEM Residency - September

- EMS INTERN ORIENTATION
OUDEM Residency – July

- TRAUMA EMERGENCIES (ABEM In Service Exam Review)
OUDEM Residency – February

- 2018 EMS INTERN ORIENTATION
OUDEM Residency – July

- MASS CASUALTY INCIDENT/DISASTER PLANNING
 TORNADO RELATED EMERGENCIES
OUDEM Residency – March

- TRAUMA EMERGENCIES (ABEM In Service Exam Review)
OUDEM Residency – February

- 2017 THE PRACTICE OF EMS MEDICINE
OUDEM Residency – Medical Student Lecture – August

- DEFIBRILLATION STRATEGIES
 RENAL EMERGENCIES
OUDEM Residency – August

- EMS INTERN ORIENTATION
OUDEM Residency – July

- EFFICIENCY IN EMERGENCY DEPT DISCHARGE
OUDEM Residency – May

- TRAUMA EMERGENCIES (ABEM In Service Exam Review)
OUDEM Residency – February

CURRICULUM VITAE

- 2016 EMS CASE STUDIES & PROTOCOL REVIEW
OUDEM Residency – November
- TRAUMA EMERGENCIES (ABEM In Service Exam Review)
OUDEM Residency – February
- 2015 CARDIAC ARREST RESUSCITATION PRACTICUM
OUDEM Residency – November
- CARDIAC ARREST JOURNAL CLUB
OUDEM Residency – November
- EMS INTERN ORIENTATION
OUDEM Residency – July
- TRANEXAMIC ACID IN EMERGENCY MEDICINE
OUDEM Residency – April
- CARDIAC ARREST ILCOR STANDARDS OF CARE
OUDEM Residency – April
- THE PRACTICE OF EMS MEDICINE
OUDEM Residency – Medical Student Lecture – March
- 2014 EBOLA & EMS/ED CONSIDERATIONS
OUDEM Residency – October
- THE PRACTICE OF EMS MEDICINE
OUDEM Residency – Medical Student Lecture – September
- THE PRACTICE OF EMS MEDICINE
OUDEM Residency – Medical Student Lecture – August
- EMS INTERN ORIENTATION
OUDEM Residency – July
- 2013 12-LEAD ECG ROUNDS
OUDEM Residency – August
- 12-LEAD ECG ANALYSIS INTERN ORIENTATION
OUDEM Residency – July
- EMS INTERN ORIENTATION
OUDEM Residency – July
- EMS RESEARCH UPDATES
OUDEM Residency – June

CURRICULUM VITAE

- 2013 THE PRAXIS FOR ANAPHYLAXIS
OUDEM Residency – March
- 12-LEAD ECG ROUNDS
OUDEM Residency – February
- 2012 EMS & CARDIOVASCULAR EMERGENCIES
OUDEM Residency – December
Review for ABEM In-service Examination
- 12-LEAD ECG ANALYSIS INTERN ORIENTATION
OUDEM Residency – July
- EMS INTERN ORIENTATION
OUDEM Residency – July
- JOURNAL CLUB
Clinical Application of Laboratory Diagnostics in Acute Coronary
Syndromes (highly sensitive Troponin assay) & Pediatric Fever
Without Source
OUDEM Residency – February
- ECG CONFERENCE
OUDEM Residency – February
- EMS & CARDIOVASCULAR EMERGENCIES
OUDEM Residency - January
Review for ABEM In-service Examination
- 2011 ECG CONFERENCE
OUDEM Residency – December
- BIOTERRORISM
Oklahoma Disaster Institute - November
Basic Disaster Life Support for Oklahoma Highway Patrol EMTs
- PSYCHOLOGICAL ASPECTS OF DISASTERS
Oklahoma Disaster Institute - November
Basic Disaster Life Support for Oklahoma Highway Patrol EMTs
- EMS TERMINATION OF RESUSCITATION
OSU EM Residency - Oklahoma City - August
- EMS INTERN ORIENTATION
OUDEM Residency - July

CURRICULUM VITAE

- 2011 THE ART AND SCIENCE OF CARDIOPULMONARY
RESUSCITATION - ELEMENTAL OR DETRIMENTAL?
OUDEM Residency - July
- ARRHYTHMIAS - ECG ANALYSIS
OU School of Medicine - Second Year Medical Students - April
Advanced Cardiac Life Support
- TACTICAL COMBAT CASUALTY CARE
OUDEM SOMOS Program - April
Cadaver Lab for Oklahoma Highway Patrol EMTs
- CARDIOVASCULAR EMERGENCIES
OUDEM Residency - January
Review for ABEM In-service Examination
- 2010 EMS BASE STATION
OUDEM Residency - December
OK State EMS Medical Director's Course & Practicum
- ECG CONFERENCE
OUDEM Residency - September
- ECG CONFERENCE
OUDEM Residency - August
- EMS INTERN ORIENTATION
OUDEM Residency - July
- ECG CONFERENCE
OUDEM Residency - July
- EMS BASE STATION
OUDEM Residency - June
OK State EMS Medical Director's Course & Practicum
- ECG CONFERENCE
OUDEM Residency - June
- ECG CONFERENCE
OUDEM Residency - March
- EMS & CARDIOVASCULAR EMERGENCIES
OUDEM Residency - February
- 2009 TRAUMA AIRWAY MANAGEMENT SKILLS PRACTICUM
OUDEM Residency - December

CURRICULUM VITAE

- 2009 ECG CONFERENCE
 OUDEM Residency – December
- ECG CONFERENCE
 OUDEM Residency – August
- ECG CONFERENCE
 OUDEM Residency - July
- EMS INTERN ORIENTATION
 OUDEM Residency – July
- BIOTERRORISM
 Oklahoma Disaster Institute - July
 Basic Disaster Life Support
- EMS REFUSALS OF CARE CONSIDERATIONS
 OUDEM Residency - June
- EMS CASE STUDIES
 OUDEM Residency - February
- 2008 CHILDREN WITH SPECIAL HEALTHCARE NEEDS
 OUDEM Residency - November
- CPAP/NON-INVASIVE VENTILATION
 OUDEM Residency - October
- 12-LEAD ECG ANALYSIS PART III
 OUDEM Residency - September
- 12-LEAD ECG ANALYSIS PART II
 OUDEM Residency – August
- EMS R2/EM INTERN ORIENTATION
 OUDEM Residency - July
- 12-LEAD ECG ANALYSIS PART 1
 OUDEM Residency - July
- 1999 UROGENITAL TRAUMA
 UT Southwestern Emergency Medicine Residency
- 1998 ACUTE ABDOMINAL AORTIC ANEURYSM
 UT Southwestern Emergency Medicine Residency
 Morbidity & Mortality Conference

CURRICULUM VITAE

- b. Emergency Medical Services Continuing Education Teaching**
- 2020 COVID-19 Updates from Office of the Medical Director
Office of the Medical Director/Medical Control Board
EMS System for Metropolitan Oklahoma City and Tulsa
- 2018 PROTOCOL UPDATES 2018
Office of the Medical Director/Medical Control Board
EMS System for Metropolitan Oklahoma City and Tulsa
Featuring the OMD Team
Limiting epinephrine in ventricular fibrillation cardiac arrest
Limiting oxygen in acute coronary syndromes
Early utilization of double sequential external defibrillation
Early deployment of ResQCPR and efficiencies in resuscitation
Water submersion injuries
- 2017 CPR TEAM DYNAMICS
Office of the Medical Director/Medical Control Board
EMS System for Metropolitan Oklahoma City and Tulsa
Featuring Dr. Keith Lurie
Resuscitation team roles and dynamics
Continuity of chest compressions
Active Compression Decompression CPR
Passive oxygenation in limited rescuer situations
Supportive care strategies
Practical lab and video production
- 2016 DOUBLE SEQUENTIAL EXTERNAL DEFIBRILLATION
Office of the Medical Director/Medical Control Board
EMS System for Metropolitan Oklahoma City and Tulsa
- ACTIVE COMPRESSION DECOMPRESSION CPR
Office of the Medical Director/Medical Control Board
EMS System for Metropolitan Oklahoma City and Tulsa
- 2015 SPINAL MOTION RESTRICTION
Office of the Medical Director/Medical Control Board
EMS System for Metropolitan Oklahoma City and Tulsa
- 2013 TRANEXAMIC ACID
Office of the Medical Director/Medical Control Board
EMS System for Metropolitan Oklahoma City and Tulsa CE
Hemostasis options in traumatic hemorrhage
What is tranexamic acid (TXA)? Historical uses of TXA
Review of CRASH-2 and MATTERS research studies of TXA
Protocol changes and review & Operational handling of TXA
Interview with Dr. William Havron, OU Trauma Services

CURRICULUM VITAE

- 2013 **PRAXIS FOR ANAPHYLAXIS**
Office of the Medical Director/Medical Control Board
EMS System for Metropolitan Oklahoma City and Tulsa CE
Defining anaphylaxis
Cardiovascular collapse form of anaphylaxis
World Allergy Organization treatment guidelines
Epinephrine treatment of anaphylaxis
Review of recent publications/abstracts regarding anaphylaxis
Protocol changes and review
- EMS CAPNOGRAPHY**
Office of the Medical Director/Medical Control Board
EMS System for Metropolitan Oklahoma City and Tulsa CE
Basic of the capnography waveform
Uses of capnography in EMS
Advanced concepts of capnography and research review
Protocol review
- 2012 **CPR TEAM DYNAMICS**
Office of the Medical Director/Medical Control Board
EMS System for Metropolitan Oklahoma City and Tulsa CE
Resuscitation team roles and dynamics
Continuity of chest compressions
Timing of defibrillation
Passive oxygenation in limited rescuer situations
Supportive care strategies
Practical lab and video production
- 2011 **CPR CHEST COMPRESSION TECHNIQUES**
Office of the Medical Director/Medical Control Board
EMS System for Metropolitan Oklahoma City and Tulsa CE
Compression rate with metronome use
Compression techniques
Practical lab
- 2007 **SIMPLE, COOL CHANGES IN PARAMEDIC AIRWAY CARE**
Plano Fire Department Paramedic CE
Intubation techniques
Cricoid pressure vs. bimanual laryngoscopy
Airway bougie
Evaluation of a new alternative airway
 When to abandon intubation attempts
 Combitube vs. King LTS-D
Airway Management in Narcotic Overdoses
 Titrating naloxone

CURRICULUM VITAE

- 2007 EMS OCCUPATIONAL EXPOSURE:
IF IT HAPPENS TO YOU, WHAT WILL YOU DO?
Plano Fire Department EMT & Paramedic CE
Best practices & local experiences
Post-exposure management:
 EMS needlestick injuries
 EMS respiratory exposures
Infectious agents of concern
 Hepatitis B & C; HIV; TB, Meningitis
- 2006 MASS CASUALTY FUNCTIONAL EXERCISES
Plano & Allen Fire Departments EMT & Paramedic CE
33 Full Scale Fire Rescue/EMS Exercises
- CRITICAL THINKING IN PARAMEDIC PATIENT CARE
Plano & Allen Fire Departments Paramedic CE
Critical thinking concepts required to correctly deliver
paramedic level care per EMS treatment protocols
- PEDIATRIC CARDIAC CARE
Plano & Allen Fire Departments EMT & Paramedic CE
Pediatric CPR & PALS
Pediatric Vascular Access
Neonatal CPR & NALS
Pediatric Cardiac Arrest Scenario Exercises
- TACHY/BRADYDYSRHYTHMIAS
Allen Fire Department Paramedic CE
AHA guidelines for bradydysrhythmias & tachydysrhythmias
- ARTIFICIAL CIRCULATION: THE ROLE OF THE
AUTOPULSE
Allen Fire Department EMT & Paramedic CE
Artificial circulations physiology
Suboptimal CPR effect
AutoPulse outcomes trials review
Functional AutoPulse exercises
- TACHY/BRADYDYSRHYTHMIAS
Plano Fire Department Paramedic CE
AHA guidelines for bradydysrhythmias & tachydysrhythmias
Diltiazem
Case studies

CURRICULUM VITAE

- 2006 **ARTIFICIAL CIRCULATION: THE ROLE OF THE
AUTOPULSE**
Plano Fire Department EMT & Paramedic CE
Artificial circulation physiology
Suboptimal CPR effect
AutoPulse outcomes trials review
Functional AutoPulse exercises
- IMMEDIATE TRIAL: MODULE 2**
Allen Fire Department Paramedic CE
Acute Coronary Syndromes
Glucose-Insulin-Potassium Infusion Physiology
Patient Care Enrollment & Logistics
- IMMEDIATE TRIAL: MODULE 1**
Plano Fire Department Paramedic CE
Acute Coronary Syndromes
12-Lead ECG Interpretation
Glucose-Insulin-Potassium Infusion Physiology
- ADVANCED AIRWAY PLACEMENT CONFIRMATION**
Allen Fire Department Paramedic CE
Confirmation Devices, Rationale, & Protocol
- CHEMICAL RESTRAINT**
Allen Fire Department EMT & Paramedic CE
Alternatives to physical and chemical restraint
Indications for physical and chemical restraint
Pharmacology of diazepam & haloperidol
- ADULT RESUSCITATION 2006:
INCORPORATING NEW AHA GUIDELINES**
Allen Fire Department EMT & Paramedic CE
2005 AHA Guideline Process
Adult CPR
Ventricular Fibrillation/Pulseless Ventricular Tachycardia
Pulseless Electrical Activity & Asystole
- ADVANCED AIRWAY PLACEMENT CONFIRMATION**
Plano Fire Department Paramedic CE
Confirmation Devices, Rationale, & Protocol
- CHEMICAL RESTRAINT**
Plano Fire Department Paramedic CE
Alternatives to physical and chemical restraint
Indications for physical and chemical restraint
Pharmacology of diazepam & haloperidol

CURRICULUM VITAE

- 2006 ADULT RESUSCITATION 2006:
INCORPORATING NEW AHA GUIDELINES
Plano Fire Department EMT & Paramedic CE
2005 AHA Guideline Process
Adult CPR
Ventricular Fibrillation/Pulseless Ventricular Tachycardia
Pulseless Electrical Activity & Asystole
- 2005 AIRWAY & RESPIRATORY DISTRESS MANAGEMENT
Plano & Allen Fire Departments EMT & Paramedic CE
Airway management devices & techniques
Respiratory distress/arrest scenario exercises
- COLD WEATHER EMS MEDICAL MANAGEMENT
Plano & Allen Fire Departments EMT & Paramedic CE
Heat loss mechanisms & body core temperature
EMS treatment of hypothermia
EMS treatment of cold-related tissue injuries
EMS treatment of cold-water immersion
- HOLIDAY SEASON TOXICOLOGY
Plano & Allen Fire Departments Paramedic CE
NSAID, ASA, TCA, SSRI, GHB, PCP, LSD
- VENOUS ACCESS IN EMS
Plano & Allen Fire Departments Paramedic CE
Goals & anatomy of venous access
Venous access techniques & complications
Difficult venous access tips & “When access fails” management
- TOXICOLOGY I
Allen Fire Department Paramedic CE
Acetaminophen, Opiates/Narcotics, Benzodiazepines
Barbiturates, Toxicology Documentation
- LAW ENFORCEMENT “LESS LETHAL” TACTICS:
MEDICAL CONCEPTS & CARE
Allen Fire Department EMT & Paramedic CE
Benefits & risks of pepper spray
Basic function of the Taser
Medical consequences with “less lethal” tactics
Removal of Taser probes
Medical evaluation & transport priorities of “less lethal” patients
- ADULT INTRAOSSEOUS ACCESS
Plano Fire Department Paramedic CE
Anatomy & physiology of intraosseous access
EZ-IO intraosseous access procedure & credentialing

CURRICULUM VITAE

- 2005 **TASERS: MEDICAL CONCEPTS & CARE**
Plano Fire Department EMT & Paramedic CE
Basic function of the Taser
Medical events post-Taser use
Risks for post-Taser cardiac arrest
Removal of Taser probes
Post-Taser medical evaluation and transport priorities
- BURNS & LIGHTNING INJURIES**
Allen Fire Department EMT & Paramedic CE
Pathophysiology & classification of burns
Systemic assessment of the burn patient
EMS burn management
Lightning injuries & EMS lightning injury care
- EXPLOSIVE EVENT INJURIES**
Allen Fire Department EMT & Paramedic CE
Risks identification & complicating factors
Injury prediction based upon type of explosive and patients
Crush syndrome and its field treatment
Primary, secondary, and tertiary explosion injury paradigm
- ASSISTED CHEST COMPRESSION: AUTOPULSE INTRODUCTION**
Allen Fire Department EMT & Paramedic CE
AutoPulse Resuscitation System overview
- BURNS & LIGHTNING INJURIES**
Plano Fire Department EMT & Paramedic CE
Pathophysiology & classification of burns
Systemic assessment of the burn patient
EMS burn management
Lightning injuries & EMS lightning injury care
- EXPLOSIVE EVENT INJURIES**
Plano Fire Department EMT & Paramedic CE
Risks identification & complicating factors
Injury prediction based upon type of explosive and patients
Crush syndrome and its field treatment
Primary, secondary, and tertiary explosion injury paradigm
- ASSISTED CHEST COMPRESSION: AUTOPULSE DEPLOYMENT**
Plano Fire Department EMT & Paramedic CE
AutoPulse Resuscitation System implementation system-wide

CURRICULUM VITAE

- 2005 THE ABCDs of CPR: ELEMENTAL OR DETRIMENTAL?
City of Plano Public Safety Communications Annual EMD
Training
Critical appraisal of EMS cardiac arrest care
Review of numerous research studies indicating need for changes:
Pre-arrival instructions – emphasis during this presentation
Ventilation
Chest compression (including assistive devices)
Defibrillation
- MEDICATION FACILITATED INTUBATION:
PERSPECTIVES, CHALLENGES, & DIRECTIONS
Allen Fire Department Paramedic CE
Span of intubation options
Evaluate intubation options using:
Anecdotal experience of AFD
Reviews of relevant research
Future directions of MFI within AFD & protocol changes
- VASOPRESSIN UPDATE: NEW HOPE FOR ASYSTOLE
PATIENTS?
Allen Fire Department Paramedic CE
Pathophysiology of asystole
Pharmacology of vasopressin
Research review and protocol changes
- OPTIMAL EMS OPERATIONS & PATIENT CARE
Allen Fire Department EMT & Paramedic CE
Review of best practices in EMS operations & patient care
- MEDICATION FACILITATED INTUBATION:
PERSPECTIVES, CHALLENGES, & DIRECTIONS
Plano Fire Department Paramedic CE
Span of intubation options
Evaluate intubation options using:
Anecdotal experience of PFD
Reviews of relevant research
Future directions of MFI within PFD & protocol changes
- OPTIMAL EMS OPERATIONS & PATIENT CARE
Plano Fire Department EMT & Paramedic CE
Review of best practices in EMS operations & patient care
- 2004 START TRIAGE
Allen Fire Department EMT & Paramedic CE
Principles of triage in mass casualty incidents
START (simple triage and rapid treatment) triage procedure
Application of START triage to patient scenarios

CURRICULUM VITAE

- 2004 THE ABCDs of CPR: ELEMENTAL OR DETRIMENTAL?
Plano Fire Department EMT & Paramedic CE
Critical appraisal of EMS cardiac arrest care
Review of numerous research studies indicating need for changes:
 Pre-arrival instructions; Ventilations
 Chest compression (including assist devices); Defibrillation
- DEFIBRILLATION: SOONER IS NOT ALWAYS BETTER?
Allen Fire Department EMT & Paramedic CE
Review CPR First Defibrillation research
Pathophysiology benefits of CPR prior to defibrillation
Scenario-based review for protocol changes
- SPINAL IMMOBILIZATION: NEW DIRECTIONS IN EMS
Allen Fire Department EMT & Paramedic CE
Perspectives on EMS spinal immobilization
Research on “selective” EMS spinal immobilization
Scenario-based review for protocol changes
- CRICOTHYROTOMY
Plano Fire Department Paramedic CE
Anatomy & procedural review
Skill credentialing
- TERRORISM RESPONSE & EMERGENCY CARE
Plano Fire Department EMT & Paramedic CE
Suicide bomber identification and incident reviews
Suicide bomber implications for EMS operations
Mass casualty operations in terrorism response
- CPAP IN EMS
Allen Fire Department EMT & Paramedic CE
Physiology of CPAP & indications for use
CPAP regulator and mask functional exercises
- 12-LEAD ECG ANALYSIS
Allen Fire Department Paramedic CE
Functional exercises in 12-lead analysis
- DEFIBRILLATION: SOONER IS NOT ALWAYS BETTER?
Plano Fire Department EMT & Paramedic CE
Review CPR First Defibrillation research
Pathophysiology benefits of CPR prior to defibrillation

CURRICULUM VITAE

- 2004 **SPINAL IMMOBILIZATION: NEW DIRECTIONS IN EMS**
Plano Fire Department EMT & Paramedic CE
Perspectives on EMS spinal immobilization
Research on “selective” EMS spinal immobilization
Scenario-based review
- 2003 **AIRWAY MANAGEMENT**
Allen Fire Department EMT & Paramedic CE
Basic & advanced techniques in airway management
Endotracheal intubation & confirmation
Cricothyrotomy
Capnography in airway management
Airway management scenario exercises
- VENOUS ACCESS IN EMS**
Plano Fire Department Paramedic CE
Goals & anatomy of venous access
Venous access techniques & complications
Difficult venous access tips
“When access fails” management
- NERVE AGENTS & ANTIDOTE TREATMENT**
Plano Fire Department EMT & Paramedic CE
Nerve agent types & pathophysiology
Mark I autoinjector pharmacology & use
- EMS OCCUPATIONAL EXPOSURE**
Plano Fire Department EMT & Paramedic CE
Post-exposure management:
 EMS needlestick injuries & EMS respiratory exposures
- NEW EMS TREATMENT PROTOCOLS REVIEW**
Allen Fire Department EMT & Paramedic CE
New Medical Director Introduction
New EMS protocols orientation & review
- 12-LEAD ECG ANALYSIS**
Plano Fire Department Paramedic CE
Functional exercises in 12-lead analysis
- CHILDREN WITH SPECIAL HEALTH CARE NEEDS**
Plano Fire Department Paramedic CE
Illnesses of CSHCN
EMS assessments and interventions in CSHCN
Improve comfort level with CSHCN, related devices/meds, and
 parents of CSHCN

CURRICULUM VITAE

- 2003
- BURNS & LIGHTNING INJURIES**
Plano Fire Department Paramedic CE
Pathophysiology & classification of burns
Systemic assessment of the burn patient
EMS burn management
Lightning injuries & EMS lightning injury care
- EXPLOSIVE EVENT INJURIES**
Plano Fire Department Paramedic CE
Risks identification & complicating factors
Injury prediction based upon type of explosive and patients
Crush syndrome and its field treatment
Primary, secondary, and tertiary explosion injury paradigm
- NERVE AGENTS, ORGANOPHOSPHATES, & CYANIDE**
Plano Fire Department Paramedic CE
Pathophysiology and field treatments
- CAPNOGRAPHY UPDATES IN EMS**
Plano Fire Department Paramedic CE
Review of use in intubation confirmation
Use in non-intubated patients
 COPD, Asthma, Undifferentiated dyspnea
Review of new capnograph within LP12 monitor
- MEGACODE MANAGEMENT**
Plano Fire Department Paramedic CE
Tachy/Bradycardia management using case studies
Megacode functional exercises with SimMan
- 2002
- ORAL INTUBATION**
Plano Fire Department Paramedic CE
Review of Intubation CQI Tracking
Oral intubation techniques
- EMS MANAGEMENT OF MEDICAL EMERGENCIES**
Plano Fire Department Paramedic CE
Case study reviews of PFD EMS incidents
- 12-LEAD ECG ANALYSIS**
Plano Fire Department Paramedic CE
Functional exercises in 12-lead analysis
- TOXICOLOGY III**
Plano Fire Department Paramedic CE
Beta-blockers, Calcium channel blockers, Antihistamines
Cocaine, Marijuana, Ecstasy

CURRICULUM VITAE

- 2002 **ARRHYTHMIA RECOGNITION**
Plano Fire Department Paramedic CE
Functional exercises in basic ECG arrhythmia recognition
- TOXICOLOGY II**
Plano Fire Department Paramedic CE
NSAID, ASA, TCA, SSRI, GHB, PCP, LSD
- TREATMENT SECTOR OPERATIONS IN MCIs**
Plano Fire Department Paramedic CE
Tabletop exercises in designing, deploying, and operating an EMS
treatment sector during multiple patient events
- TOXICOLOGY I**
Plano Fire Department Paramedic CE
Acetaminophen, Opiates/Narcotics, Benzodiazepines
Barbiturates, Toxicology Documentation
- 2001 **WEAPONS OF MASS DESTRUCTION – BIO & CHEM**
Plano Fire Department Paramedic CE
Biological classes of WMD and agents
Chemical classes of WMD and agents
- SPORTS INJURIES**
Plano Fire Department Paramedic CE
Identification & EMS treatment of multiple orthopedic injuries
- 12-LEAD ECG ANALYSIS**
Plano Fire Department Paramedic CE
Functional exercises in 12-lead analysis
- RESUSCITATE: DO OR DO NOT?**
Plano Fire Department Paramedic CE
Texas Law relating to: Advance Directives & OOH DNR
 Medical Power of Attorney
Applying DNR Texas Law to EMS situations
- EMS MANAGEMENT OF THERMAL BURNS**
Plano Fire Department Paramedic CE
Pathophysiology & classification of burns
Systemic assessment of the burn patient
EMS burn management
- AIRWAY MANAGEMENT**
Plano Fire Department Paramedic CE
Basic & advanced techniques in airway management
Airway management scenario exercises

CURRICULUM VITAE

- 2001 12-LEAD ELECTROCARDIOGRAMS
Plano Fire Department Paramedic CE
ECG lead electrophysiology
Correlating ECG leads with anatomy
Systemic analyzing of the 12-lead ECG
Correlating abnormal ECGs with cardiac pathophysiology
- PEDIATRIC CRITICAL CARE
Plano Fire Department Paramedic CE
PALS updates
- 2000 CARDIAC ARREST MANAGEMENT
Plano Fire Department Paramedic CE
ACLS updates
- CPAP IN COPD & CHF MANAGEMENT
Plano Fire Department Paramedic CE
Physiology of CPAP & indications for use
CPAP regulator and mask functional exercises
- CHEST PAIN MANAGEMENT
Plano Fire Department Paramedic CE
Differential causes of chest pain
EMS management of the acute chest pain patient
- TRAUMA MANAGEMENT II
Plano Fire Department Paramedic CE
BTLS-derived curriculum
Abdominal & extremity trauma
Burns
Pediatric, Elderly, & Pregnancy patients
Effects of alcohol/drugs
Trauma CPR
Trauma scenarios
- 1999 TRAUMA MANAGEMENT I
Plano Fire Department Paramedic CE
BTLS-derived curriculum
Mechanisms of Injury
Scene Assessment & Initial Trauma Care
Airway Management in Trauma
Thoracic Trauma
Shock Evaluation & Management
Spinal & Head Trauma
Trauma Care in the Cold

CURRICULUM VITAE

- 1999 12-LEAD ELECTROCARDIOGRAMS
Plano Fire Department Paramedic CE
ECG lead electrophysiology
Correlating ECG leads with anatomy
Systemic analyzing of the 12-lead ECG
Correlating abnormal ECGs with cardiac pathophysiology
- AIRWAY MANAGEMENT
Plano Fire Department Paramedic CE
Basic & advanced techniques in airway management
Airway management scenario exercises
(co-taught with Brian Zachariah, MD, FACEP)
- CRITICAL CARE PARAMEDIC PHARMACOLOGY I & II
AMR-Dallas Critical Care Paramedic School
Developed & taught 8-hour pharmacology curriculum
(co-taught with Robert Suter, DO, FACEP; Brian S. Zachariah, MD, FACEP; and John Myers, MD, FACEP)
- c. Other Teaching
- 2011 THE STATE OF TULSA TRAUMA CARE
Tulsa Metro Chamber Health Panel
(co-panelists Thomas SH, Yeary E, Sacra J, Williamson S, Dart B)
- 2000-2007 EMERGENCY MEDICAL SERVICES:
A NATIONAL & LOCAL HISTORY
Plano Fire Department Citizens Fire Academy
EMS Historical Developments
City of Plano EMS History
Modern EMS Capabilities
EMS Assessment & Treatment Equipment Display
The Modern MICU Tour
Citizen Question & Answer Sessions
(co-taught with Ken Klein, RN, EMTP)
- 1999 TRAUMA REGIONAL ADVISORY COUNCILS:
IMPACT UPON TRAUMA CARE IN TEXAS
University of Texas School of Public Health – Health Policy
Presentation
- 1998 ALTERED MENTAL STATUS
Methodist Hospital of Indiana Emergency Medicine Residency
Case Conference Presentation
Case review of treated otitis media progressing to meningitis with
near-fatal outcome. Patient initially seen by me at time of
diagnosis with meningitis.

2. Leadership service to professional societies and organizations

- a. Member, Board of Directors, American College of Emergency Physicians (2019-Present)
 - Liaison to: EMS Committee
 - Pediatric Emergency Medicine Committee
 - EMS Section
 - Tactical Medicine Section
 - Pediatric Emergency Medicine Section
- b. Member, Board of Trustees, Emergency Medicine Foundation (2019-Present)
- c. Candidate, Board of Directors, American College of Emergency Physicians (2019)
- d. Member, EMS Exam Writing Committee, American Board of Emergency Medicine (2019-Present)
- e. Member, Bylaws Committee, American College of Emergency Physicians (2018-2019)
- f. Candidate, Board of Directors, American College of Emergency Physicians (2018)
- g. Member, Advocacy Committee, National Association of EMS Physicians (2016-Present)
- h. Member, Standards & Practice Committee, National Association of EMS Physicians (2016-Present)
- i. President, Oklahoma College of Emergency Physicians (2016-2019).
- j. Chair, EMS Committee, American College of Emergency Physicians (2016-2018)
- k. President-Elect, Oklahoma College of Emergency Physicians (2015-2016).
- l. Member, Advocacy, Clinical Standards and Practices, and Mobile Integrated Healthcare Committees, National Association of EMS Physicians (2015 – Present).
- m. Vice President (2012-2016) Oklahoma Chapter, American College of Emergency Physicians.
- n. Member, Council Steering Committee & Council Subcommittees for Annual Meeting and Non-Bylaws Resolutions. American College of Emergency Physicians (2011-2012). Active participant in developing 2012 Council Annual Meeting and promoting development and submission of non-bylaws resolutions. Selected as Reference Committee Chairman.
- o. Member, EMS Committee, American College of Emergency Physicians (2011-present). Leading nationwide effort to improve EMS Medical Director understanding of Drug Enforcement Administration regulations regarding controlled substances. Working in multi-association taskforce to bring EMS Medical Director concerns to the DEA lead office in Washington, DC.

CURRICULUM VITAE

- p.** Member, Council Steering Committee & Council Standing Rules Subcommittee, American College of Emergency Physicians (2010-2011). Active participant in revising 2011-2012 Council Standing Rules. Presented the Council Standing Rule Subcommittee Report to the Council Steering Committee in May 2011. Served as Member of Reference Committee A for 2011 Annual Council Meeting, hearing testimony on bylaws-related resolutions and drafting summary recommendations to the Council.
- q.** Member, EMS Committee, American College of Emergency Physicians (2010-2011). Led the extensive revision of ACEP Policy: "Leadership in EMS", approved by ACEP Board of Directors without editing. Also, reviewed for subsequent revision of ACEP Policy "Interfacility transportation of the critical care patient and its medical direction."
- r.** Councillor, American College of Emergency Physicians
OCEP (2018-2019)
OCEP Alternate Councillor (2017)
Oklahoma Chapter Board of Directors (2008-2016)
Emergency Medicine Residents' Association (1996-1999)
Service as a councillor involves representing the physicians from the respective chapter/organization at the ACEP Council Annual Meeting. The ACEP Council considers and acts upon business matters and clinical positions of the College in a manner like a "House of Representatives" of a state/national government.
- s.** Site Reviewer, Commission on Accreditation of Ambulance Services (2001-2012). Perform on-site review of EMS organizations seeking to meet CAAS accreditation. Each review involves 2-3 days of extensive administrative and clinical operations review, with numerous interviews of leadership and front-line clinical personnel to evaluate compliance with over 200 standards.
- t.** Organization and Course Reviewer, Continuing Education Coordination Board for Emergency Medical Services (2000-2012). Review submissions for individual courses and organizations seeking CECBEMS accreditation and/or accreditation granting privileges. Multiple courses/organizations have been personally reviewed each year of service.
- u.** Member, Research Committee, National Association of EMS Physicians (1998-2000)
- v.** Member, Fellows Task Force, National Association of EMS Physicians (1998-1999)
- w.** Member, Mentoring Task Force, American College of Emergency Physicians (1998-1999)
- x.** Member, Membership Committee, American College of Emergency Physicians (1997-1998)

CURRICULUM VITAE

- y.** Board of Directors, Emergency Medicine Residents' Association
Immediate Past President (1997-1998)
President (1996-1997)
President-Elect/Treasurer (1995-1996)
- z.** Vice President, Board of Directors, Indiana State Medical Association Resident Medical Society (1996-1998)
- aa.** Vice Chair and Delegate, Indiana Delegation, American Medical Association Resident Physician Section House of Delegates (1996-1998)
- bb.** Member, Commission on Legislation, Indiana State Medical Association (1996-1998)
- cc.** Member, Internal Communications Task Force, American College of Emergency Physicians (1996-1998)
- dd.** Member, Section Affairs Committee, American College of Emergency Physicians (1996-1997)
- ee.** Member, LifeLine/EMS Committee, Methodist Hospital of Indiana (1995-1998)
- ff.** Member, EMS Committee, Texas College of Emergency Physicians (1994-1995)
- gg.** Emergency Medicine Student Association, The University of Texas Medical School at San Antonio
President (1994-1995)
Vice President (1992-1993)
Secretary and Founding Officer (1991-1992)

3. Editorial service

- a.** Editorial Board, Prehospital Emergency Care (2015-Present)
- b.** Reviewer, International Journal of Chronic Obstructive Pulmonary Disease (2014-Present)
- c.** Reviewer, Risk Management and Healthcare Policy (2013-Present)
- d.** Reviewer, Journal of Bioanalysis & Biomedicine (2013-Present)
- e.** Reviewer, Canadian Journal of Emergency Medicine (2012-2018)
- f.** Guest Associate Editor, EM International (2011)
- g.** Editorial Board, Journal of Emergency Medical Services (2010-Present)
- h.** Reviewer, Internal and Emergency Medicine (2010-Present)
- i.** Reviewer, Access Emergency Medicine (2009-Present)
- j.** Reviewer, Critical Care (2009-Present)
- k.** Reviewer, Prehospital Emergency Care (2009-Present)

4. Educational symposia development service

- a.** Chairman & Course Coordinator, 5th Annual EMS Symposium – 2012 EMS Ways to Treat Trauma & Advance Trauma Care. EMS Section, Department of Emergency Medicine, The University of Oklahoma School of Community Medicine, August 2012 in Tulsa, Oklahoma. Keynote Speaker – Paul Pepe, Chair of Emergency Medicine, University of Texas Southwestern Medical Center & Medical Director, Dallas Metropolitan Area BioTel (EMS) System.
- b.** Chairman & Course Coordinator, 4th Annual EMS Symposium - EMS Expanding Scopes of Practice & The Future of Oklahoma EMS, EMS Division, Department of Emergency Medicine, The University of Oklahoma School of Community Medicine, August 2011 in Tulsa, Oklahoma. Keynote Speaker - John Freese, Chief Medical Director, Fire Department New York.
- c.** Chairman & Course Coordinator, 3rd Annual EMS Symposium - EMS Cardiovascular Emergencies, EMS Division, Department of Emergency Medicine, The University of Oklahoma School of Community Medicine, August 2010 in Tulsa, Oklahoma. Keynote Speaker, Corey Slovis, Chair of Emergency Medicine, Vanderbilt University School of Medicine & Medical Director, Nashville Fire Department.
- d.** Course & Curriculum Developer - State of Oklahoma EMS Medical Director's Course & Practicum - Initial Course June 2010 in Oklahoma City, Oklahoma.
- e.** Chairman & Course Coordinator, 2nd Annual EMS Symposium - Therapeutic Hypothermia, EMS Division, Department of Emergency Medicine, The University of Oklahoma School of Community Medicine, August 2009 in Tulsa, Oklahoma. Keynote Speaker, Brent Myers, Director & Medical Director, Wake County, North Carolina EMS System.
- f.** Chairman & Course Coordinator, 1st Annual EMS Symposium - Airway Management, Oklahoma Institute for Disaster and Emergency Medicine, Department of Emergency Medicine, The University of Oklahoma College of Medicine - Tulsa, August 2008 in Oklahoma City, Oklahoma. Keynote Speakers, Allen Sims and Kelly Curry, Montgomery County, Texas Hospital District EMS System.

5. Professional service

- a.** Exam Writer, National Registry of Emergency Medical Technicians (2011)
- b.** Member, Oklahoma Emergency Medical Services for Children Advisory Committee (2011-Present).
- c.** Member, Oklahoma Emergency Response Systems Development Advisory Council (2009-2013). Direct appointment by Speaker of the House, State Oklahoma House of Representatives.

CURRICULUM VITAE

- d. Member, Medical Audit Committee, Oklahoma State Department of Health, Trauma Division (2008-2013)
- e. Interim Medical Advisor, Oklahoma State Department of Health, EMS Division (2008-2009)
- f. Member, University of Oklahoma College of Medicine - Tulsa, Department of Emergency Medicine Chair search committee (2008)
- g. Member, Medical Direction Subcommittee, Oklahoma Emergency Response Systems Development Advisory Council (2007-2013)

6. Volunteer clinical service

- a. The University of Oklahoma School of Community Medicine
Bedlam Clinic
Attending Physician (2011-2014)
- b. Baylor University Volunteer EMS
Director of Communications (1990-1991)
Lieutenant/Paramedic (1990-1991)
EMT-Intermediate (1989-1990)
Emergency Medical Dispatcher (1988-1989)

7. Grant review service

- a. MedEvac International Foundation (2010)

8. Research abstract review service

- a. Society for Academic Emergency Medicine - EMS (2010)
2011 Annual Meeting & Regional Meetings
- b. National Association of EMS Physicians (2009)
2010 Scientific Assembly

XI. ADMINISTRATION [College and University Service]

2007-Present Chief, EMS Section, Department of Emergency Medicine, The University of Oklahoma School of Community Medicine

XII. MEMBERSHIPS, HONORS, AWARDS and SPECIAL RECOGNITION

1. Memberships

- a. American College of Healthcare Executives (2019-Present)
- b. Texas Medical Association (2017-2019)
- c. Tarrant County Texas Medical Society (2017-2019)
- d. American College of Emergency Physicians (1991-Present)
Oklahoma Chapter (2007-Present)
Texas Chapter (1998-Present; 1991-1995)
Indiana Chapter (1995-1998)
- e. American Medical Association (2007-2013; 1995-1998)
- f. Oklahoma State Medical Association (2007-2013)
- g. Oklahoma County Medical Society (2009-2013)

CURRICULUM VITAE

- h.** Tulsa County Medical Society (2007-2013)
- i.** Indiana State Medical Association (1995-1998)
- j.** Emergency Medicine Residents' Association (1991-Present/Life Member)
- k.** Society for Academic Emergency Medicine (1994-1999; 2010 - 2014)

2. Honors

- a.** Fellow of the Academy of EMS (2017-present)
- b.** US Metropolitan Municipalities EMS Medical Directors Consortium Corey M. Slovis Award recognizing excellence in EMS education (2014)
- c.** Fellow of the American College of Emergency Physicians (2002-present)
- d.** American Medical Association/Glaxo Wellcome Achievement Award recognizing leadership in organized medicine (1997)
- e.** Texas College of Emergency Physicians Outstanding Senior Medical Student in Emergency Medicine (1995)

XIII. PROFESSIONAL GROWTH AND DEVELOPMENT

1. Continuing Education

- a.** National Whole Blood in EMS Academy
- b.** National Association of EMS Physicians Annual Meeting 2020
- c.** EMS State of the Science XXI Meeting 2019
- d.** National Association of EMS Physicians Annual Meeting 2019
- e.** EMS State of the Science XX Meeting 2018
- f.** National Association of EMS Physicians Annual Meeting 2018
- g.** EMS State of the Science XIX Meeting 2017
- h.** National Association of EMS Physicians Annual Meeting 2017
- i.** EMS State of the Science XVIII Meeting 2016
- j.** National Association of EMS Physician Annual Meeting 2016
- k.** National EMS Board Review Certification Course 2015
- l.** National EM Board Review Certification Course 2015
- m.** EMS State of the Science XVII Meeting 2015
- n.** National Association of EMS Physicians Annual Meeting 2015
- o.** National Association of EMS Physicians Annual Meeting 2014
- p.** EMS State of the Science XVI Meeting 2014
- q.** National EMS Board Review Certification Course 2013
- r.** RACI Conference on Resuscitation and Critical Care 2013
- s.** EMS State of the Science XV Meeting 2013
- t.** National Association of EMS Physicians Annual Meeting 2013

CURRICULUM VITAE

- u.** Advanced Trauma Life Support Instructor Course 2012
- v.** EMS State of the Science XIV Meeting 2012
- w.** National Association of EMS Physicians Annual Meeting 2012
- x.** Oklahoma ACEP Annual Meeting 2011
- y.** ACEP Scientific Assembly 2011
- z.** National Association of EMS Physicians Annual Meeting 2011
- aa.** Texas College of Emergency Physicians EMS Med Director Seminar 2010
- bb.** National Association of EMS Physicians Annual Meeting 2010
- cc.** Oklahoma ACEP Annual Meeting 2009
- dd.** Texas College of Emergency Physicians EMS Med Director Seminar 2009
- ee.** National Association of EMS Physicians Annual Meeting 2009
- ff.** Oklahoma ACEP Annual Meeting 2008
- gg.** Texas College of Emergency Physicians EMS Med Director Seminar 2008
- hh.** National Association of EMS Physicians Annual Meeting 2008.
- ii.** Oklahoma ACEP Annual Meeting 2007
- jj.** Texas College of Emergency Physicians EMS Med Dir Seminar 2007.
- kk.** National Association of EMS Physicians Annual Meeting 2007.
- ll.** ATLS Instructor
- mm.** ACLS renewal
- nn.** BCLS renewal
- oo.** FEMA NIMS ICS course 100
- pp.** FEMA NIMS ICS course 200
- qq.** FEMA NIMS ICS course 300
- rr.** FEMA NIMS ICS course 400
- ss.** FEMA NIMS ICS course 700
- tt.** FEMA NIMS ICS course 800
- uu.** BDLS
- vv.** ADLS
- ww.** NDLS Instructor
- xx.** ABEM Lifelong Learning Self-Assessment Test 2020
- yy.** ABEM EMS Lifelong Learning Self-Assessment Test 2018
- zz.** ABEM Lifelong Learning Self-Assessment Test 2018
- aaa.** ABEM Lifelong Learning Self-Assessment Test 2017
- bbb.** ABEM Lifelong Learning Self-Assessment Test 2016
- ccc.** ABEM EMS Lifelong Learning Self-Assessment Test 2016
- ddd.** ABEM Lifelong Learning Self-Assessment Test 2015
- eee.** ABEM ConCert Board Recertification Test 2015
- fff.** ABEM EMS Lifelong Learning Self-Assessment Test 2014
- ggg.** ABEM Lifelong Learning Self-Assessment Test 2014
- hhh.** ABEM Lifelong Learning Self-Assessment Test Patient Safety
- iii.** ABEM Lifelong Learning Self-Assessment Test 2013
- jjj.** ABEM Lifelong Learning Self-Assessment Test 2012
- kkk.** ABEM Lifelong Learning Self-Assessment Test 2011
- lll.** ABEM Lifelong Learning Self-Assessment Test 2010
- mmm.** ABEM ConCert Board Recertification Test 2009
- nnn.** ABEM Lifelong Learning Self-Assessment Test 2008

CURRICULUM VITAE

- ooo.** ABEM Lifelong Learning Self-Assessment Test 2007
- ppp.** ABEM Lifelong Learning Self-Assessment Test 2006
- qqq.** ABEM Lifelong Learning Self-Assessment Test 2005
- rrr.** ABEM Lifelong Learning Self-Assessment Test 2004

2. Coursework

- a.** Ultrasonography in the emergency department
- b.** 19th Annual High-Risk Emergency Medicine
- c.** 13th Annual National Emergency Medicine Board Review

XIV. COMMUNITY SERVICE

1. Civic Organizations

- a.** Halfway Home Greyhound Adoption Service - Tulsa, Oklahoma
(2007-2012)
- b.** Habitat for Humanity - Waco, Texas (1990-91)
Service Project of Alpha Epsilon Delta, Texas Beta Chapter

CV updated 06/01/20