

## Mark E. A. Escott, MD, MPH, FACEP

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### Education

University of Texas Health Science Center at Houston – School of Public Health 2005

Houston, Texas

Master of Public Health

Thesis Title: The Impact of a University Based First Responder Program with Early Defibrillation Capability on Strengthening the Chain of Survival for Sudden Cardiac Arrest.

Advisor: Arch I. Carson, MD, PhD

Flinders University School of Medicine 2003

Adelaide, Australia

Bachelor of Medicine and Bachelor of Surgery (MD Equivalent)

Rice University 1996

Houston, Texas

Bachelor of Arts, Religious Studies

### Postdoctoral Training

Residency in Emergency Medicine (Chief Resident) 2005-2008

Penn State-MS Hershey Medical Center

Hershey, PA

Internship 2004

University of Adelaide

Adelaide, Australia

## **Academic and Leadership Appointments**

Clinical Assistant Professor, Division of Emergency Medicine  
Department of Surgery and Perioperative Medicine  
University of Texas-Austin Dell Medical School  
Austin, Texas

2017-  
Present

Adjunct Senior Lecturer, School of Medicine  
Faculty of Medicine, Nursing, and Health Sciences  
Flinders University  
Adelaide, Australia

2016-  
Present

Assistant Professor  
Department of Emergency Medicine  
Baylor College of Medicine  
Houston, Texas

2010-2017

Assistant Professor  
Department of Emergency Medicine  
Pennsylvania State University School of Medicine  
Hershey, Pennsylvania

2008-2010

Instructor  
Masters of Homeland Security Program  
Pennsylvania State University  
State College, Pennsylvania

2008-2010

Adjunct Faculty  
Department of Human Performance and Health Sciences  
Rice University  
Houston, Texas

1998-1999

**Other Relevant Employment and Clinical Activities**

Alternate Health Authority  
Austin Public Health  
2017-  
Present

Attending Physician  
Division of Emergency Medicine  
Dell Seton Medical Center at the University of Texas  
2017-  
Present

Medical Director  
City of Austin-Travis County EMS System  
Austin, Texas  
2016-  
Present

Medical Director/Tactical Physician  
Texas Department of Public Safety/Texas Division of Emergency  
Management  
Austin, Texas  
2016-  
Present

Archangel Enterprises, LLC  
Founder and CEO  
Magnolia, Texas  
2014-  
Present

Staff Physician  
America's ER  
Magnolia, Texas  
2014-  
2017

Staff Physician  
First Choice ER  
Houston, Texas  
2012-  
2017

Expert Panelist (EM/EMS)  
Texas Medical Board  
2010-  
Present

Attending Physician  
Ben Taub General Hospital  
Houston, Texas  
2010-  
2017

2015-

Associate Medical Director Harris County Emergency Services District #48 Katy, TX	2016
Public Health Authority Montgomery County Public Health District Montgomery County, Texas	2014- 2016
Deputy Public Health Authority Montgomery County Public Health District Montgomery County, Texas	2012- 2014
Medical Director Montgomery County Hospital District EMS Conroe, Texas	2012- 2015
Associate Medical Director/Tactical Physician Cypress Creek EMS Houston, Texas	2010- 2013
Medical Director Rice University EMS Houston, Texas	2010- 2016
Staff Physician Penn State-MS Hershey Medical Center Hershey, Pennsylvania	2008- 2010
Medical Director/ Tactical Physician Dauphin County Crisis Response Team (SWAT) Harrisburg, Pennsylvania	2008- 2010
Medical Director EMS Special Operations Penn State-LifeLion EMS Hershey, Pennsylvania	2008- 2010

Founder/ EMS Director	
Rice University	1996-
Houston, Texas	1999
Lieutenant/ Medical Officer/ Firefighter/ Board of Directors	1993-
Champions Area Fire Department	1999
Houston, Texas	
Paramedic/ EMT-I/ EMT/ First Responder Coordinator	1991-
Cypress Creek EMS	1999
Houston Texas	

### Honors and Awards

Dr. Charles Bauer Texas Emergency Management Medical Professional of the Year Award	2019
Texas Division of Emergency Management	
National Volunteer Service of the Year (Rice University EMS)	2014
National Association of EMTs	
Public EMS Service of the Year (MCHD EMS)	2013
Texas Department of State Health Services	
First Responder Service of the Year (The Woodlands Fire Department)	2013
Texas Department of State Health Services	
Fellow	
American Board of Emergency Medicine	2009-
Board Certified-Emergency Medicine (2009)	Present
Subspecialty Board Certified- EMS (2013)	

Fellow American Academy of Emergency Medicine	2008- Present
Professor Jim Holliman Resident Teaching Award Department of Emergency Medicine Penn State School of Medicine	2008
Best Resident Presentation Society for Academic Emergency Medicine-Mid-Atlantic Meeting	2004
Paediatrics Clinical Prize Flinders University School of Medicine	2003
Award for Community Service (Foundation of Rice University EMS) Vice President for Student Affairs Rice University	1996

### **Professional Memberships and Activities with Leadership Positions**

American College of Emergency Physicians Chair, Section of EMS and Prehospital Medicine (2017-Present) Member, EMS Committee (2013-2017) Chair-elect, Section of EMS and Prehospital Medicine (2015-2017) Secretary, Section of EMS and Prehospital Medicine (2013-2015) Newsletter Editor, Section of EMS and Prehospital Medicine (2010-2013)	2009- Present
National Association of EMS Physicians Member, Public Health Committee	2016- Present
Travis County Medical Society ED/EMS Advisory Committee	2016- Present
Texas College of Emergency Physicians Co-Chair, EMS Medical Directors Seminar 2011	2010- Present

**Educational Activities****Educational Administration and Leadership**

Director-Division of EMS and Disaster Medicine and EMS Fellowship 2014-2016

Department of Emergency Medicine

Baylor College of Medicine

Co-Director-Division of EMS and Disaster Medicine 2012-2014

Department of Emergency Medicine

Baylor College of Medicine

Assistant Director-Division of EMS and Disaster Medicine 2010-2012

Department of Emergency Medicine

Baylor College of Medicine

Founder/Director-EMS Collaborative Research Group 2010-2016

Department of Emergency Medicine

Baylor College of Medicine

Emergency Department Interdisciplinary Council 2008-2010

Penn State- MS Hershey Medical Center

Penn State Department of Emergency Medicine

Admissions Committee 2008-2010

Master's of Homeland Security Program

Penn State University

EMS Leadership Committee 2008-2010

Penn State- LifeLion EMS

Penn State Department of Emergency Medicine

**Teaching Activities**

Emergency Medical Responder Course – US Consulate  
Sao Paulo, Brazil  
Faculty  
Rice University

2018

Critical Infrastructure Protection of Health Care Delivery Systems  
Instructor  
PHP 530 (3 credit hours)  
Masters of Homeland Security Program  
Pennsylvania State University

2008-2010

Live Tissue Trauma Lab  
Baylor College of Medicine  
Curriculum Co-Developer/ Lead Faculty  
Paramedics/ Houston Police, Texas Rangers, and Federal SWAT Team  
Paramedics/

2012-2015

Basic Tactical Officer's Medical Course  
Baylor College of Medicine/Cypress Creek EMS  
Medical Director/ Course Faculty

2011-2015

Emergency First Responder Course  
United States Embassy-Panama  
Curriculum Co-Developer/Course Medical Director/Lead Instructor  
Rice University

2013

Evaluation and Management of Altered Mental Status  
EMS Program  
Rice University

2012

Cardiac Arrest Resuscitation Updates 2012  
Baylor College of Medicine Emergency Medicine Residency Program

2012

EMS Medical Direction Course (Base Station)  
Baylor College of Medicine Emergency Medicine Residency Program

2011



Evaluation of Abdominal Pain in the ED Baylor College of Medicine Emergency Medicine Residency Program	2011
Orthopedic Trauma: Assessment and Management EMS Program Rice University	2011
Approach to Patient Assessment EMS Program Rice University	2011
Pediatric Emergencies EMS Program Rice University	2011
Trauma Resuscitation EMS Program Rice University	2010
Emergency Department Capnography 101 Baylor College of Medicine Emergency Medicine Residency Program	2010
Introduction to Tactical EMS Baylor College of Medicine Emergency Medicine Residency Program	2010
Penetrating Trauma and Ballistics Penn State Emergency Medicine Residency Program	2009
Crisis Resource Management Penn State-MS Hershey Medical Center Patient Simulation Lab	2009
Simulation Instructor Course Department of Anesthesia Penn State-MS Hershey Medical Center Course Faculty	2009

EMS Spinal Immobilization  
Penn State LifeLion EMS

2009

## **Advising and Mentoring**

### **Students**

Rice University Undergraduate Students  
Students involved in EMS Program  
Medical Director

2010-  
Present

University of Texas at Austin  
Students involved in the Longhorn EMS Program  
Advisor

2016-  
Present

Baylor College of Medicine  
Emergency Medicine Interest Group  
Mentor

2010-2016

Milton S. Hershey School  
Health Occupations Program  
Advisor/ Mentor

2008-2010

### **Residents and Fellows**

Baylor College of Medicine  
Emergency Medicine Residents  
EMS Rotation Director  
EMS Fellowship Director

2010-2016

Penn State College of Medicine  
Emergency Medicine Residents  
EMS Rotation Director

2008-2010

## **Faculty**

Baylor College of Medicine Emergency Medicine Residency Program	2010-Present
Penn State Emergency Medicine Emergency Medicine Residency Program	2008-2010

## **Other Active Research Activities and Clinical and Quality Improvement Projects**

## **Publications**

### **Peer-reviewed publications**

1. Gonzales L, Oyler BK, Hayes JL, Escott ME, Cabanas JG, Hincehy PR, Brown LH. Out-of-hospital cardiac arrest outcomes with “pit crew” resuscitation and scripted initiation of mechanical CPR. Am J Emerg Med. 2018 Aug 11, [Epub ahead of print].
2. Escott MEA, Owen H, Strahan AD, Plummer JL. Cricoid Pressure Training: How Useful are Descriptions of Force? Anaesth Intensive Care 2003;31(4)388-91.

### **Books & Chapters**

1. Escott MEA. The National Response Framework. Kapur GB, Smith JP ed. Emergency Public Health. Jones & Bartlett Learning 2010
2. Escott MEA, Kass LE. Incorporating Simulation into Graduate (Resident) Medical Education with Special Reference to the Emergency Department. In: Kyle R, Murray B ed. Clinical Simulation: Operations, Engineering, and Management. Elsevier Publishing 2008;127-33

### **Non-peer-reviewed publications**

1. Escott MEA. Clinical Errors: Identifying and learning from mistakes in patient care. JEMS. 2017 May;42(5):62-3.
2. Escott MEA. Brain Drain: Provide more growth opportunities for paramedics. JEMS. 2017 Mar;42(3):66.
3. Escott MEA, Bank EA, Mehkri FM, Monroe BJ. Blood Therapy: Considerations for using blood products for prehospital trauma patients. JEMS 2017 Mar;42(3)47-51,67.
4. Escott MEA. Essential Ingredients: Plant the Seeds of Leadership for a Stronger EMS Industry. JEMS. 2017;42(1): 66

5. Escott MEA. Less Traveled: ATCEMS Chooses New Path to Fight Worker Fatigue. JEMS. 2016 Nov; 41(11):63
6. Escott ME. Healthcare Anxiety: Educate the public on when to call 9-1-1. JEMS. 2016 Sep;41(9):66
7. Escott ME. Out on a Limb: Establish clear protocols for field amputations. JEMS. 2016 Aug;41(7):18-9
8. Escott MEA. Fighting Futility: Traumatic cardiac arrest survivability is possible. JEMS. 2016 Jul;41(5):63
9. Escott ME. ALL THAT GLITTERS. JEMS. 2016 Mar;41(5):63
10. Escott ME. DOWN UNDER. Street doc shed light on EMS culture in Australia. JEMS. 2016;41(3):66
11. Escott ME. Carrying the Weight. JEMS. 2016 Jan;41(1):65-66
12. Escott ME. Free at Last: Freestanding EDs Offer Alternative Patient Destinations. JEMS. 2015 Dec;40(12):66
13. Escott ME. Appreciate Fallibility: Talented Paramedics Shouldn't be Fired for Making Mistakes. JEMS. 2015 Nov;40(11):63
14. Escott ME. Staying Informed: Help Clinicians Take Control of the Self-Directed Learning Process. JEMS. 2015 Oct;40(10):64
15. Escott ME. Shorter Shifts. JEMS. 2015 Sep;40(9):63
16. Escott ME. Walking Among the Facts: Knowledge without Application is Meaningless. JEMS Aug. 2015;40(8):62
17. Escott ME. Quantifying Directors: How Much Medical Direction Do We Need? JEMS. 2015 Jul;40(7):70
18. Escott ME. Maintaining Credentials: Staying Proficient in Clinical Decision-Making and Skills. JEMS.2015 Jun;40(6):64
19. Escott ME: Collaborative Data. JEMS. 2015 May;40(5):66
20. Persse D, Escott ME. Closing the Gap: The Intersection of EMS and Public Health. JEMS. 2015 Apr; 40(4):62
21. Escott ME. Educate EMS Providers the Same Way We Train Physicians. JEMS. 2015 Mar;40(3):xx
22. Escott ME. EMS Physicians Must Promote Greater Expectations for Paramedics. JEMS. 2015 Feb;40(2):xx
23. Escott ME: EMS Subspecialty Creates an Opportunity to Change the Role of the Paramedic. JEMS. 2015 40(1):xx
24. Escott MEA, Gleisberg GR, Gillum LS, et al. Seeing the difference: Deploying the video laryngoscope into ground EMS system. JEMS. 2014; 39(8): 34-9.
25. Escott MEA, Gleisberg GR, Kimmel K, Karrer A, Cospers J, Monroe BJ. Simple thoracostomy: Moving beyond needle decompression in traumatic cardiac arrest. JEMS. 2014; 39(4): 26-32.

26. Monroe BJ, Richenberger E, Gleisberg, Horning J, Escott ME. Using video laryngoscope for foreign body airway obstruction. JEMS. 2013; 38(12): 26-7.

## Editorial Responsibilities

Journal of EMS, Member-Editorial Board

2016-Present

## Invited Presentations, Posters & Abstracts

### International

Escott MEA, Gleisberg GR, Manson HC, Traynor K, Monroe BJ, Gonzalez MG. Video vs. Direct Laryngoscopy: The First 100 Day Run-In Period for EMS. Presented at the Australasian College for Emergency Medicine 30<sup>th</sup> Scientific Meeting. Adelaide, Australia. November 2013. 2013

Escott M, Strahan A, Owen H, Plummer J. Are Current Guidelines on Learning How to Apply Cricoid Pressure Useful? Anaesth Intensive Care 2003; 31:116. Presented at the 61st National Scientific Congress, Australian Society of Anaesthetists, October 26-30, 2002.) 2002

### National

Escott MEA, Crowe RP, Brown L. Is Resuscitation of Traumatic Out of Hospital Cardiac Arrest(Still) Futile? ESO Wave Conference. March 21, 2019 Austin, Texas. 2019

Escott MEA. Simple Thoracostomy. EMS Today Conference and Expo 2017. Salt Lake City, UT. Presented February 24, 2017. 2017

Escott MEA. Is it the Holy Grail or Not: The Case Against Ketamine. EMS Today Conference and Expo 2017. Salt Lake City, UT. Presented February 24, 2017. 2017

Escott MEA. Airway Care at the Next Level. EMS Today Conference and Expo 2017. Salt Lake City, UT. Presented February 24, 2017. 2017

Escott MEA. New Hope in Trauma Resuscitation and Traumatic Cardiac Arrest. EMS Today Conference and Expo 2017. Salt Lake City, UT. Presented February 23, 2017. 2017

Escott MEA. Synthetic Cannabinoids. 9-1-1 Summit. Boston, MA. May 2016	2016
Escott MEA. EMS The Subspecialty: Implications for EMS Practice. National Collegiate EMS Foundation Annual Conference. Baltimore, MD 2015.	2015
Escott MEA. Advanced Airway Management: An Evidence Based Approach. National Collegiate EMS Foundation Annual Conference. Baltimore, MD 2015.	2015
Escott MEA, Gleisberg GR, Crocker K, Cospers J, Decker C, Baylor College of Medicine / EMS Collaborative Research Group. One EMS system's approach to implementing simple thoracostomy in prehospital care. Poster presented at: NAEMSP; January 22-24, 2015; New Orleans, Louisiana.	2015
Escott MEA, Gleisberg GR, Crocker K, Cospers J, Decker C, Baylor College of Medicine / EMS Collaborative Research Group. One EMS system's approach to implementing simple thoracostomy in prehospital care. Poster presented at: Special Operations Medical Association Scientific Assembly; December 8-11, 2014; Tampa, Florida.	2014
Escott MEA, Gleisberg GR, Crocker K, Cospers J, Decker C, Baylor College of Medicine / EMS Collaborative Research Group. QuikClot for prehospital hemorrhage control: Case series. Poster presented at: Special Operations Medical Association Scientific Assembly; December 8-11, 2014; Tampa, Florida.	2014
Escott MEA, Case CM, Gillum LS, Cospers JL, Gleisberg GR, Monroe BJ. Paramedic selection process: One systems review of a novel vetting technique. Paper presented at: Society for Academic Emergency Medicine; May 13-17, 2014; Dallas, Texas	2014
Escott MEA. Hemodynamic Changes in Patients Receiving Ketamine Sedation by Emergency Medical Services. Society for Academic Emergency Medicine Annual Meeting. Chicago, Illinois 2012	2012
Escott MEA. Adverse Effects Following Prehospital Use of Ketamine by Paramedics. Society for Academic Emergency Medicine Annual Meeting. Chicago, Illinois 2012	2012
Escott MEA. Expert Panel: Hot Topics in EMS. National Collegiate EMS Conference. Baltimore, Maryland 2012.	2012
Escott MEA. From Good To Great: Growing a Collegiate EMS Service. Presented at the National Collegiate EMS Conference. Baltimore, Maryland	2012

2012.

Escott MEA. Evaluation and Disposition of the Intoxicated Patient 2011. Presented at the National Collegiate EM Conference. Philadelphia, Pennsylvania 2011. 2011

Escott MEA. From Coeds to Augmented Reality: Improving the Chain of Survival from Sudden Cardiac Arrest. Presented at the American College of Emergency Physicians 2011 Scientific Assembly. Las Vegas, Nevada 2011 2011

Escott MEA. Evaluation and Disposition of the Intoxicated Patient. Presented at the National Collegiate EMS Conference. Baltimore, Maryland. 2010 2010

### Regional

Escott MEA, Decker C, Kidd E, Jarvis J. Medical Director Panel. EMS Evolution 2019. Texas EMS Alliance. Horseshoe Bay, TX. June 18, 2019 2019

Escott MEA. Traumatic Cardiac Arrest: A New Hope. Trauma and Critical Care Update 2019 and 3<sup>rd</sup> Annual EMS Symposium. Dayton, OH. May 2019 2019

Escott MEA. Austin Bombings: EMS System Response and Lessons Learned. Trauma and Critical Care Update 2019 and 3<sup>rd</sup> Annual EMS Symposium. Dayton, OH. May 2019 2019

Escott MEA. Updates in Hemorrhage Control, Trauma Resuscitation, and Traumatic Cardiac Arrest. Harris Health Circle of Survivors Conference. Houston, TX. May 2015 2015

Escott MEA, Gleisberg GR, Crocker KJ, Frost MH, Crocker RJ, Dendy CF, Scott BG. Door In / Door Out: Shrinking the Delta for Definitive Trauma Care. Presented by Rebecca Crocker at the Texas Trauma Coordinators Forum 2015 2015

Escott MEA. Update on Trauma Resuscitation: Permissive Hypotension and 1:1:1. Conroe Regional Medical Center Trauma Symposium. Conroe, TX. April 2015 2015

Escott MEA, Case CM, Gillum LS, Cospier JL, Gleisberg GR, Monroe BJ. Paramedic selection process: One systems review of a novel vetting technique. Paper presented at: Texas EMS Conference; November 24-27, 2013; Fort Worth, Texas. Rushing MR, Karrer A, Gleisberg GR, Gillum LS, Case CM, Escott MEA. One system's approach to implementing community paramedicine. Poster presented at: University of North Texas Health Science Center Public Health Fair; April 15, 2014; Fort Worth, Texas 2014

- Escott MEA, Gleisberg GR, Traynor K, Gonzalez MG, Monroe BJ, Baylor College of Medicine / EMS Collaborative Research Group. Video vs. direct laryngoscopy: Multi-site review of the four month run-in period by paramedics. Paper presented at: Texas EMS Conference; November 24-27, 2013; Fort Worth, Texas. 2014
- Escott MEA, Gleisberg GR, Traynor K, Gonzalez MG, Monroe BJ, Baylor College of Medicine / EMS Collaborative Research Group. Video vs. direct laryngoscopy: Multi-site review of the four month run-in period by paramedics. Paper presented at: Texas EMS Conference; November 24-27, 2013; Fort Worth, Texas. 2013
- Escott MEA, Gleisberg GR, Traynor K, et al. Video vs. direct laryngoscopy: Assessment of the first 100 day run-in period for EMS. Paper presented at: Texas EMS Conference; November 24-27, 2013; Fort Worth, Texas. 2013
- Gonzalez MG, Gleisberg GR, Traynor K, Escott MEA, Baylor College of Medicine / EMS Collaborative Research Group. Evaluation of the kingvision video laryngoscope in paramedics using levitan airway trainers. Paper presented at: Texas EMS Conference; November 24-27, 2013; Fort Worth, Texas. 2013
- Escott MEA. Advanced Airway Management, An Evidence-Based Approach. Southeast Texas Regional Advisory Council Cardiac and Respiratory Symposium 2013-2015 (Multiple sessions) 2013
- Escott MEA. EMS The Subspecialty: What does it mean for EMS. Texas EMS Conference/TCEP Medical Directors Seminar. Austin, TX 2012. 2012
- Escott MEA, Nemeth I. EMS Updates 2011. Presented at the Texas Medical Association TEXMED 2011 Conference. Houston, Texas 2011. 2011
- Escott MEA. EMS Research Updates 2011. Presented at the Texas College of Emergency Physicians EMS Medical Directors Seminar. Arlington, Texas 2011 2011
- Escott MEA. The Impact of a University Based First Responder Program with Early Defibrillation Capability on Strengthening The Chain of Survival for Sudden Cardiac Arrest. Presented at the Mid-Atlantic Regional Meeting of the Society for Academic Emergency Medicine. Georgetown University Medical Center. 2005. 2005



**Community Service**

The Legion of St. Michael, Founder/ President, Board of Directors	2014-Present
Montgomery County Homeless Coalition, Board of Directors	2015-2016
Magnolia Parkway Chamber of Commerce, Board of Directors	2014-2016
The Knights of Columbus	2012-Present