

## Curriculum Vitae

NAME: Dr. Mark A. Merlin

PRESENT TITLES: Vice Chairman, Emergency Medicine, Newark Beth Israel Medical Center  
EMS Fellowship Director, Newark Beth Israel Medical Center, NJ  
Chief Medical Officer, Jet911 (Fixed Wing Air Ambulance)  
Chief Medical Officer & System Medical Director, MONOC EMS (NJ  
Largest EMS System. Approx ½ of NJ)  
Chief Medical Officer, Womba (World Medical Bank)  
EMS Fellowship Director, Newark Beth Israel (NJ Only ACGME  
Accredited EMS Fellowship)

PAST TITLES: Past Chair, NJ MICU (EMS) Advisory Board, Department of Health and  
Senior Services  
Medical Director, NJ EMS Task Force (state disaster response)  
Board of Directors, American Heart Association, New Jersey  
Faculty, School of Public Health, Rutgers, Piscataway, NJ  
Member, NJ State Institutional Review Board, Department of Health  
(Appointment by Commissioner of Health)

CITIZENSHIP: USA

UNDERGRADUATE EDUCATION:  
B.S. Psychology/Biology  
University of Pittsburgh  
9/84---9/89

GRADUATE EDUCATION:  
Doctor of Osteopathic Medicine (Physician)  
Philadelphia College of Osteopathic Medicine  
Philadelphia, PA  
9/89 --- 6/94

POSTGRADUATE EDUCATION:  
Graduate Hospital Philadelphia, Medical Internship  
6/94 --- 7/95  
Thomas Jefferson University Hospital/Geisinger Medical  
Center, PA-Internal Medicine  
7/95 --- 7/96  
Newark Beth Israel Medical Center, Emergency Medicine Residency  
7/96 --- 6/99

ACADEMIC APPOINTMENT:  
Associate Professor, Rutgers 6/11-Present

HOSPITAL APPOINTMENT:

Attending, Newark Beth Israel Medical Center, NJ  
4/11-Present

Attending Physician, Robert Wood Johnson University Hospital  
5/06 -4/11

Attending Physician, Morristown Memorial Hospital, NJ  
7/02-5/06

Attending Physician, Saint Barnabas Medical Center, NJ  
6/99-7/04

LICENSURE: New Jersey/New York/Pennsylvania

CERTIFICATION: American Board of Osteopathic Emergency Medicine  
4/02-present Expiration Date: 12/31/24

Fellowship: Emergency Medical Services (Board Eligible)  
Fellow of the American College of Emergency Physicians (FACEP)-  
6/2000

PROFESSIONAL ORGANIZATIONS:

National Association of EMS Physicians Member 1999 --- Present

Society of Academic Emergency Medicine, Member 1999 --- Present

American College of Emergency Physicians  
Member 1996 - Present  
Section Member EMS 1996 - Present  
Section Member Tactical 2014-Present

American College of Osteopathic Emergency Physicians

Member 1996---Present  
Section Member EMS 1996 --- Present

American Medical Association  
Member 1992 --- Present

American Osteopathic Association  
Member 1990---Present

New Jersey Medical Society  
Member 1994---Present

#### EDITORIAL POSITIONS

Reviewer, Annals of Emergency Medicine  
Reviewer, The American Journal of Emergency Medicine  
Reviewer, Journal of Emergency Medicine  
Reviewer, Postgraduate Medicine  
Reviewer, Prehospital Emergency Care  
Reviewer, Canadian Journal of Emergency Medicine  
Reviewer, Internal and Emergency Medicine

#### HONORS AND AWARDS:

EMS Provider of the Year--New York Yankees/EMS Night Out	2014
Recognition for Committee Chair and Accomplishments Department of Health and Senior Services	2011
Rutgers University, President Recognition Award Rutgers, the State University of New Jersey	2008
EMS Medical Director of the Year NJ Department of Health and Senior Services	2007-- 2008
Clinical Instructor of the Year Morristown Memorial Hospital Emergency Medicine Residency, Morristown NJ	2005
NJ American College of Emergency Physicians, EMS Physician of the Year	2005--2006
Attending of the Year Newark Beth Israel Emergency Medicine Residency Newark, New Jersey	2000

Resident of the Year in Emergency Medicine 1999  
Newark Beth Israel Medical Center

Dr. Herbert Steinberg Internal Medicine Award for Superior  
Clinical Understanding in Internal Medicine--given to one Intern  
each year at Graduate Hospital-Parkview Division 1995  
Philadelphia, PA

Recognition of Distinguished and Devoted Service as 1990  
Paramedic Educator by The Center for Emergency Medicine  
of Western Pennsylvania

**SERVICE TO THE COMMUNITY:**

Chair, NJ MICU Advisory Board, Department of Health and Senior Services (12/06--  
present)

Medical Director, NJ EMS Task Force, Department of Health and Senior  
Services.(12/08--present)

Medical Consultant, TV Series "House" (12/09--2/12)

Medical Director, New Jersey State Police SWAT Team TEAMS C.(6/10--Present)

Medical Director, Approximately 63 New Jersey First Aid Squads

Medical Education, Monthly Education Experience to Federal Agents from ATF (1/10--  
2/13)

Physician on site to President Obama for New Jersey Visit. August 2010. Secret Service  
Clearance (4/10)

**TEACHING RESPONSIBILITIES: (2006--Present)**

Education and supervision of housestaff, medical students and physician assistants  
during duties as an emergency medicine physician, as well as pre-hospital. Teaching  
first-year medical student Microbiology course and Advanced Life Support classes to  
all medical students. Course Director Venipuncture, IV, Basic Life Support I and II.

Program Director, EMS/Disaster Medicine Fellowship

Evidence Based Lecturer to Attendings on Renal Diseases, Hematology Diseases,  
Hospital operations and The Affordable Care Act.

Education of all Internal Medicine Residents at noon conferences on  
cardiac/pulmonary emergencies.

Conduct weekly Journal Club on latest literature in medicine for all  
residents/fellows/medical students at Newark Beth Israel Medical Center.

**CLINICAL RESPONSIBILITIES:**

Director of NJ EMS/Disaster Medicine Fellowship Program,  
Emergency Department physician at Newark Beth Israel Medical Center

## GRANT SUPPORT:

NIH RO1 Agency for Healthcare Research and Quality (AHRQ) Correlating Hospital Databases with Prehospital Information. \$1,400,000. Cantor J, DeLia D, Wang HE, **Merlin MA**. 9/10-8/14. Subcontract from Rutgers to Merlin

MPACT Biochemical Solutions Manufacturer, "Use of a New Chemical Solution to prevent Inoculation of Stethoscopes with Methicillin Resistant Staphylococcus aureus," \$1500. **PI Merlin MA**, Alter SM. June 1, 2009-May 1, 2010.

American Heart Association, "Correlation of Advanced Life Support Written Scores with Skills Performance at 3 and 6 month intervals," \$124,997. **PI Merlin MA**, Fischberg B, Pryor PE. April 1, 2008-March 31, 2010

## PUBLICATIONS:

### Recent Refereed Articles

1. Klebacher R, Harris MI, Ariyaprakai N, Tagore A, Wasserman E, Korneu S, Hill R, **Merlin MA**. Incidence of Naloxone Redosing In The Age of The New Opioid Epidemic. *Prehosp, Emerg. Care*. 2017 Epub.
2. Westrol MS, Koneru S, McIntyre N, Caruso AT, Arshad FH, **Merlin MA**. Music genre as a predictor of resource utilization at outdoor music concerts. *Prehosp Disaster Med*. 2017;32:1-8.
3. **Merlin MA**, Tagore A, Bauter R, Arshad FH. A Case Series of Double Sequence Defibrillation. *Prehosp. Emerg Care* 2016; 5: 1-4.
4. **Dudley LS, Madonna I, Mansour MI, Merlin MA** Epinephrine for Anaphylaxis: Underutilized and Unavailable *West J Emerg Med*. 2015;16:385-387.
5. Bucher J, Dos Santos FD, Frazier D, **Merlin MA**. Rapid Extrication versus the Kendrick Extrication Device (KED): Comparison of Techniques Used After Motor Vehicle Collisions. *West J Emerg Med*. 2015; 16: 453-458
6. Delia D, Wang HE, Kutzin J, Merlin M, Nova J, Lloyd K, Cantor JC. Prehospital Transportation to Therapeutic Hypothermia Centers and Survival From Out-of-Hospital Cardiac Arrest. *BMC Health Serv Res*. 2015; 15: 533-540.
7. Nieves LC, Mehrtens GM, Pores N, Pickrell C, Tanis J, Satty T, Chuang M, Young TC, **Merlin MA**. The Effect of Furosemide Dose Administered In The Out of Hospital Setting on Renal Function Among Patients With Suspected Decompensated Heart Failure. *Prehosp Disaster Med* 2015; 30: 38-45.

8. Kotora JG, Westrol MS, **Merlin MA**. Use Of a Fiberoptic Camera To Perform A Trauma Assessment During A Confined Spaced Rescue. *Am J Disaster Med*. 2014;9: 151-156.
9. Kotora JG, Clancy T, Manzon L, Malik V, Loudon RJ, **Merlin MA**. Active Shooter In The Emergency Department: A Scenario-based Training Approach For Healthcare. *Am J Disaster Med*. 2014; 9: 39-51.
10. Sterling M, Echeverria SE, **Merlin MA**. The Effect of Language Congruency on the Out-of-Hospital Management of Chest Pain. *World Medical and Health Policy*. 2014
11. **Merlin MA**, Carluccio A, Raswant, DosSantos FD, Lehrfeld DP, Ohman-Strickland PO, Prehospital Hypoglycemic Patients Receiving IV Thiamine Loading Prior to Glucose vs. Glucose Alone. *Western J of Emerg Med* 2012; 13: 406-409
12. Shiroff AM, Gale SC, **Merlin MA**, Crystal JS, Linger M, Shah AD, Beaumont E, Lustiger E, Tabakin E, Gracias VH. Enhancing the Tissue Donor Pool through Donation after Death in the Field. *Prehosp Disaster Med* 2013;28:187-190.

12. McKinney JS, Mylavarapu K, Lane J, Robert V, Ohman-Strickland PO, **Merlin MA**. Hospital Prenotification of Stroke Patients by Emergency Medical Services Improves Stroke Time Targets. *J Stroke Cerebrovasc Dis*. 2013; 22: 113-118.
  
13. **Merlin MA**, Ciccocanti C, Saybolt MD, Bockoff O, Mazzei, Shiroff AM. A Prospective Observational Analysis of Ambulation After Motor Vehicle Collisions. *Prehosp Disaster Med*. 2013; 28: 76-78.
  
14. **Merlin MA**, Baldino KT, Lehrfeld D, DosSantos FD. Use Of A Limited Lights and Siren Protocol In The Prehospital Setting Versus Standard Usage The American Journal of Emergency Medicine. *Am J of Emerg Med* 2012; 30: 519-525.
  
15. Arya R, Dossantos F, Ohman-Strickland P, **Merlin MA**. Impact of Trauma Activation on the ED Length of Stay for Nontraumatic Patients. *Am J Emerg Med*. 2012; 30: 311-316.
  
16. **Merlin MA**, Kaplan E, Schlogl J, Suss H, DosSantos F, Ohman-Strickland P, Shiroff AM. Study of Placing a Second Intravenous Line In Trauma (SITS Investigators). *Prehospital Emerg Care*. 2011; 15: 203-213.
  
17. **Merlin MA**, Safdar H, VanPelt S, Calabrese S, Manfre J, Lewinsky A, Liu J. Prehospital Rapid Sequence Intubation in a System with two Advanced Life Support Providers- A Preliminary Report. *Prehospital and Disaster Medicine*. 2010;25: 341-345
  
18. **Merlin MA**, , Marques-Baptista A, Yang, I, Aquina CT, Ohman-Strickland P, Buckley B. Evaluating Degradation with Fragment Formation of Prehospital Succinylcholine by Mass Spectrometry. *Academic Emergency Medicine* 2010; 17: 631-637.
  
19. Arya R, Salovich DM, Ohman-Strickland P, **Merlin MA**. Impact of Scribes on Performance Indicators In The Emergency Department. *Acad Emerg Med* 2010; 17; 5: 490-494.
  
20. Saybolt MD, Alter SM, DosSantos FD. Calello DP, Rynn KO, Nelson DA, **Merlin MA**, Naloxone in Cardiac Arrest with Suspected Opioid Overdose. *Resuscitation*. 2010; 81: 42-46.
  
21. **Merlin MA**, Saybolt MD, Kapitanayan R, Alter SM, Jeges J, Liu J, Calabrese S, Rynn KO, Perritt RA, Pryor PM. Intranasal Naloxone is as effective as Intravenous Naloxone. *Am J Emerg Med*. 2010; 28: 296-303.
  
22. Livingston D, Marques-Baptista A, Brown RI, Liu J, **Merlin MA**. Prehospital Intervention Probability (PIP) Score: A Novel Method for Determining Necessity of Emergency Medical Service Units. *Am J Emerg Med*. 2010; 28: 552-560.
  
23. **Merlin MA**, Moon J, Krimmel J, Marques-Baptista A. Improving Medical Students Understanding of Emergency Medical Services (EMS) through a Mandatory 4<sup>th</sup> Year EMS Experience. *Emergency Medical Journal*. 2010; 27: 147-150.

24. Alter SM, **Merlin MA**. Nosocomial and Community-acquired Infection Rates Among Ambulance Patients. *Am J Emerg Med*. 2011; 29: 57-64.
25. Marques-Baptista A, Baldino K, Prasto M, Cascio A, **Merlin MA**. Utilization of Warning Lights and Siren Based On Hospital Time-Critical Interventions. *Prehospital and Disaster Medicine*. 2010;25: 335-339.
26. Dos Santos FD, Schnakofsky R, Cascio A, **Merlin MA**. Disposable Stainless Steel vs. Plastic Laryngoscope Blades Among Paramedics.. *Am J Emerg Med* 2011; 29: 590-593.
27. **Merlin MA**, Alter SM, Raffel B. Determining External Blood Loss by Use of The MAR Method. *Am J Emerg Med*. 2009; 27:1085-1090.
28. **Merlin MA**, Wong ML, Pryor PW, Marques-Baptista A, Stanescu C. Prevalence of Methicillin Resistant Staphylococcus aureus (MRSA) on Stethoscopes of Prehospital Providers. *Prehospital Emerg Care*. 2009; 13: 71-74.
29. Brodsky R, **Merlin MA**, Leva EG, Levy R, Leva J, Sabile J. Febrile Seizures Can Be Safely Transported by Basic Life Support Emergency Medical Technicians. *Pediatric Emergency Care*. 2009; 25: 317-320

#### Published Abstracts

- 1 **Merlin MA**, Fischberg B, Marques-Baptista, Pryor PW, Liu J. Correlation of Advanced Life Support Written Scores with Performance Skills at 0, 3 and 6 month Intervals. *Acad Emerg Med*. 2010 S312. Presented at the Society of Academic Emergency Medicine National Meeting. Washington D.C 2010.
- 2 **Merlin MA**, Moon J, Krimmel J, Marques-Baptista A. Improving Medical Students Understanding of Emergency Medical Services (EMS) through a Mandatory 4<sup>th</sup> Year EMS Experience. *Acad Emerg Med* 2009; 16: S212. Presented at. CORD (Committee of Residency Directors), Society of Academic Emergency Medicine, Annual Meeting, Las Vegas, Nevada, 2009
- 3 Veysman BD, Carluccio A, Ohman-Strickland P, Arya R, Ostro B, **Merlin MA**. Cephalalgia in The Emergency Department Responds to Oxygen Decreasing Time to Relief, Length of Stay, CT Utilization and Need for Narcotic Pharmacotherapy (CEDRO Investigators). *Annals of Emergency Medicine* 2009; In Press Presented at the American College of Emergency Physicians Research Forum, Boston Massachusetts, October, 2009.
- 4 Yang A, Liu J, **Merlin MA**. An Analysis of Emergency Department Revisit Rates Based on Patient Satisfaction Scores. *Annals of Emergency Medicine* 2009 Presented

at the American College of Emergency Physicians Research Forum, Boston, Massachusetts, October 2009.

- 5 Saybolt MD, Alter SM, DosSantos FD, Calello D, Rynn KO, Nelson DA, **Merlin MA**. Naloxone in Cardiac Arrest with suspected Opioid Overdose. *Clinical Toxicology* 22009; S312. Presented at the North American Conference on Clinical Toxicology, San Antonio TX, September 2009.
- 6 **Merlin MA**, Yang I, Ohman-Strickland P, Marques-Baptista A, Calello D, Rynn KO, Buckley B. Degradation with Fragment Formation of Succinylcholine in the Prehospital Environment Using Mass Spectrometry. *Clinical Toxicology* 2009; S312. Presented at the North American Conference on *Clinical Toxicology*, San Antonio TX, Sept 2009.
- 7 **Merlin MA**, Marques-Baptista A, Yang, I, Aquina CT, Ohman-Strickland P, Buckley B Degradation with Fragment Formation of Prehospital Succinylcholine by Mass Spectrometry. *Academic Emergency Medicine* 2009; 16: S193. Presented at the Society of Academic Emergency Medicine Annual Meeting, New Orleans, LA, May 2009.
- 8 Dos Santos FD, Schnakoofsky R, Cascio A, **Merlin MA**. Improved Rates of Successful Prehospital Intubations with Metal Versus Plastic Laryngoscope Blades. *Academic Emergency Medicine* 2009; 16: S201. Presented at the Society of Academic Emergency Medicine Annual Meeting, New Orleans, LA, May 2009.
- 9 Nelson DA, **Merlin MA**, Tinti M. Overutilization of Medical Evacuation Helicopter for Trauma. *Academic Emergency Medicine* 2009; 16: S232-233. Presented at the Society of Academic Emergency Medicine Annual Meeting, New Orleans, LA, May 2009.
- 10 Arya R, Salovich DM, **Merlin MA**. Impact of Scribes on Performance Indicators in the Emergency Department. *Academic Emergency Medicine* 2009; 16: S246. Presented at the Society of Academic Emergency Medicine Annual Meeting, New Orleans, LA, May 2009.
- 11 Pryor PW, **Merlin MA**, Stanescu CG, Salovich DM, De Los Santos JD, Marques-Baptista A. Clean Your Bell: A Quick Method of Decontaminating Your Stethoscope of Methicillin Resistant Staphylococcus Aureus (MRSA). *Academic Emergency Medicine* 2009; 16: S270. Presented at the Society of Academic Emergency Medicine Annual Meeting, New Orleans, LA, May 2009.
- 12 **Merlin, MA**, Wong ML, Pryor PW, Marques-Baptista A. Methicillin Resistant Staphylococcus Aureus Prevalence on Stethoscopes of EMS Professions. *Prehospital Emergency Care* 2008; 12: S116. Presented at the National Association of Emergency Medicine Physicians Annual Meeting, Naples, FL, January 2008.

- 13 **Merlin MA**, Alter SM, Raffel B. A Quick and Easy Determination of External Blood Loss Using the MAR Method. *Prehospital Emergency Care* 2008; 12: S 137. Presented at the National Association of Emergency Medicine Physicians Annual Meeting, Naples FL, January 2008
- 14 Eget D, Lavery RF, Salo D, **Merlin MA** Can patients accurately interpret the numerical value of a visual analog pain scale designed for home use? *Academic Emergency Medicine* 2000; S8. Presented at the Society of Academic Emergency Medicine Annual Meeting 2000, New Orleans, LA May 2000.
- 15 **Merlin MA**, Swan KG, Swan SA: Leukocytosis in Trauma Patients, *Clinical Research*.1989; 37:834A.

#### Review Articles/Presentations/Textbook Chapters

1. [DiCorpo JE](#), [Schwester D](#), [Dudley LS](#), [Merlin MA](#). A Wave As A Window Using Wave Capnography To Achieve A Bigger Physiological Patient Picture. *JEMS*. 2015 Nov;40:32-5.
1. Textbook Chapter in Cole: From Bioterrorism to Earthquakes: Local Preparedness for Terror and Disaster. The Role of The Hospital Receiver. Chapter 11. Wiley Publishing. 2013
2. **Merlin MA**, Shah CN, Shiroff AM. Evidence-based Appendicitis: The Initial Work-up. *Post-Graduate Medicine*. 2010; 122: 189-195
3. **Merlin MA**, Kaplan E, Schlogl J, Suss H, DosSantos F, Ohman-Strickland P, Shiroff AM. Second Intravenous Line In Trauma Study (SITS Investigators). Presented at the Atlanticare Trauma Symposium. Atlantic City New Jersey 6/2010.
4. Zenenberg RD, Carluccio A, **Merlin MA**. Hyponatremia: Evaluation and Management. *Hospital Practice* 2010; 38: 38-42.
5. **Merlin MA**, Frazier D, Bridgeman P, Maslowski B. Keeping It Down In There: Stopping Prehospital Nausea and Vomiting. *EMS Responder*. 2010; May 5.
6. **Merlin MA**, Cortacans HP, Bucher J. U.S. Airways Flight 1549 Hudson River Crash: The New Jersey Experience. *Am Journal of Disaster Medicine*. 2009;4: 189-191
7. **Merlin MA**, Ondeyka A, Marques-Baptista A. Decompression Illness: What You Need to Know. *Emergency Medicine*. 2009; 6: 18-22.
8. Aquina CT, Marques-Baptista A, Bridgeman P, **Merlin MA**. Oxycontin Abuse and Overdose. *Postgraduate Medicine*. 2009; 121: 163-167.
9. Nelson DA, Bradley JK, Arya R, Ianosi-Irimie M, Marques-Baptista A, **Merlin MA**.

Babesiosis As A Rare Cause of Fever in the Immunocompromised Patient: A Case Report. *Cases Journal* 2009; 2: 7420.

10. Frazier D, Jenkins J, Marques-Baptista A, **Merlin MA**. Injury by Power Tool: Unusual Incident Tests Providers Skills. *JEMS*. 2008; 33: 38-40.
11. **Merlin MA**, Fischberg B, Marques-Baptista, Pryor PW, Liu J. Correlation of Advanced Life Support Written Scores with Performance Skills at 0, 3 and 6 month Intervals. Presented at the Society of Academic Emergency Medicine Regional Meeting , Newark, DE, March, 2009. (Best Oral Presentation)
12. **Merlin MA**, DosSantos FD, Nelson DA. Mechanism of Injury Is Not a Useful Criteria in Triaging Trauma Patients. Presented at the Society of Academic Emergency Medicine Regional Meeting, Newark, DE, March 2009.
13. **Merlin MA**, Grembowicz JJ, Cortacans HP, Gluckman W, Sasso LA. Docs on demand: New Jersey incorporates a physician go-team into its response arsenal. *EMS Mag*. 2008; 37: 42-45.
14. Zenenberg RD, Carluccio AL, **Merlin MA**. Hyponatremia Evaluation and Treatment. *Hospital Practice* 2010; 3: 47-50.
15. **Merlin MA**, Reedman L. Rapidly Deteriorating Pneumococcal Sepsis and Systemic Purpura Fulminans in a Young Woman with No Predisposing Factors. *Resident and Staff Physician*. 2008; 54: 33-37.
16. **Merlin MA**, Levy R. Abdominal Injuries. Chapter 24 Nancy Caroline's Emergency Care in the Streets. Ed. Andrew N. Pollak. Massachusetts: Jones and Bartlett Publishers, 2007.
17. **Merlin MA**, McCarthy J. Burns. Chapter 20. Nancy Caroline's Emergency Care in the Streets. Ed. Andrew N. Pollak. Massachusetts: Jones and Bartlett Publishers, 2007.
18. **Merlin MA**. Genitourinary Trauma. Chapter 25. Nancy Caroline's Emergency Care in the Streets. Ed. Andrew N. Pollak. Massachusetts: Jones and Bartlett Publishers, 2007.
19. Pryor PW, **Merlin MA**, Stanescu CG, Salovich DM, De Los Santos Jesse, Marques-Baptista A Clean Your Bell: A Quick Method of Decontaminating Your Stethoscope of Methicillin Resistant Staphylococcus aureus. Presented at the Society of Academic Emergency Medicine Conference Regional Meeting, Salt Lake City, Utah 2009. Top 10 Abstract of the year by Emergency Physicians Monthly, 2009
20. Arya R, Salovich DM, **Merlin MA**. Impact of Scribes on Performance Indicators in the Emergency Department. Society of Academic Emergency Medicine Annual Meeting, New Orleans, Louisiana 2009 (Plenary Session Winner)
21. Dos Santos FD, Schnakofsky, R, Cascio A, **Merlin MA** Improved Rates of Successful

- Prehospital Intubations With Metal Versus Plastic Laryngoscope Blades. Presented at the Society of Academic Emergency Medicine Regional Meeting, Newark, DE, 2009.
22. Kapitanyan R, Westrol M, Nelson DA, **Merlin MA**. Do Prehospital Providers Adhere to the NEXUS Criteria? Presented at the Society of Academic Emergency Medicine Regional Meeting, Newark, DE, 2009.
  23. **Merlin MA**, Alter SA, Raffel B . A Quick and Easy Determination of External Blood Loss using the MAR Method. National Association of EMS Physicians Annual Meeting, Naples, FL., January 2008.
  24. **Merlin MA**, Levy R, Brodsky R, Leva EG. Febrile Seizures Can be Safely Transported by Basic Life Support Emergency Medical Technicians. Presented at the National Association of EMS Physicians Meeting Annual Meeting, Phoenix, AZ, January 2007.
  25. **Merlin, MA**, R Geria and M Prasto. "Ultrasound Utilization for Difficult Intravenous Cannulation by Ground Advanced Life Support (ALS) Units". Presented at the 4th World Congress on Ultrasound in Emergency and Critical Care Medicine; Brazil, March 2008.
  26. Yang A, **Merlin MA**, Liu J. An Analysis of Emergency Department Revisit Rates Based on Patient Satisfaction. Presented at the Society of Academic Emergency Medicine Conference Regional Meeting, Salt Lake City, Utah, 2009.
  27. Nelson DA, **Merlin MA**, Tinti ME, Hammond J. Overutilization of Medical Evacuation Helicopters for Trauma. Presented at the Society of Academic Emergency Medicine Regional Meeting, Newark, DE, 2009.
  28. **Merlin MA**, Pryor PW, Kapitanyan R. Rabies. Boston Publishing. [www.emedicine.com](http://www.emedicine.com) 2007.
  29. **Merlin MA**: Ventricular Septal Defects. Boston Publishing. [www.emedicine.com](http://www.emedicine.com) 2002;5.
  30. Bertolini J, **Merlin MA**. Rabies *Emergency Physician Monthly* 2000;71: 3 Updated 2010.
  31. **Merlin MA**: Thrombolytic Therapy in Myocardial Infarction: A Brief Review of the Past and Present Literature. *The Student Doctor*. 1993; 15:23-28.
  32. Janeira LF, **Merlin MA**, Rubens AJ: Wide Complex Tachycardias. *Emergency*. 1993; 9:44-47.
  33. Rubens AJ, **Merlin MA**: Practical CPR My Ease New Student Anxieties. *Journal of Occupational Health and Safety*. 1991; 60:28-32.

34. Porter RS, **Merlin MA**, Heller MB. The Fifth Vital Sign: Pulse Oximetry. *Emergency*.1991;3:37-40.

35. **Merlin MA**, Janeira LF: TdP: An Irregular Rhythm. *Emergency*.1990; 5:18-22.

### **Lectures (International, National, Local)**

July 15, 2015---Dubai Global Access to Healthcare Lecture. Dubai Hotel March 20, 2015-----

March 20, 2015--Emergency Nursing Association (ENA) Conference. Update in Emergency Medicine Literature and 30 things that will kill you quick

March 9, 2015 Monthly Noon Lecture to Internal Medicine Residents at Newark Beth Israel Medical Center on Resuscitation Medicine

March 6, 2015-Regional EMS Lecture, Springfield Municipal Building, Springfield, NJ. First Aid Squads and Paramedics

March 4, 2015-Rutgers Emergency Medicine Residency Noon Lecture. EMS/Acute Care Medicine Update, Newark, NJ

February 26, 2015-Lady of Fatima Hospital, Rhode Island. Grand Rounds. EMS/Acute Care Medicine Literature Update and Spinal Motion Restriction.

February 22, 2013--Regional ALS Conference. NYC Hatzolah. EMS Literature Update.

November 23, 2013-NJ EMS Conference. Is this an ALS patient? Atlantic City New Jersey.

October 23, 2013-Hypothermia after Cardiac Arrest. Hospital Grand Rounds. Bayonne Medical Center, Bayonne New Jersey

April 4, 2013- The New Jersey Stroke Conference. Key Speaker. EMS Stroke Care in New Jersey. Princeton, NJ

November 10, 2010-NJ State Office of Emergency Medical Services Conference. (Mini) Gathering of the Eagles. Lecture to NY/NJ/PA Physicians by seven leaders in EMS from around the country. Lecture on ALS Medical direction in the United States.

November 9, 2010--Lecture to East Brunswick First Aid Squad--EMS Update

October 19, 2010--Lecture to North Brunswick First Aid Squad--EMS Update

September 22, 2010--Symposium on Terror Medicine and Security: The Israeli and US perspectives. Lecture on moving patients from the prehospital setting to the hospital with

international leaders in terror medicine. Montclair State University. Montclair, NJ.

April 14, 2010--Lecture to New Brunswick Fire Department--EMS/LVAD update

April 1, 2010--Lecture to Raceway Park First Aid Squad--EMS Update

March 15, 2010--Lecture to Dunellan First Aid Squad--EMS Update

March 12, 2010--Lecture to Rutgers First Aid Squad--EMS Update

March 1, 2010--Lecture to Metuchen First Aid Squad--EMS Update

February 11, 2010--Lecture to Old Bridge First Aid Squad--EMS Update

July 14 2010--Pediatric Noon Conference--Robert Wood Johnson University Hospital Pediatric Residency, "Pediatric Disaster Medicine.

March 11<sup>th</sup>, 2010--Speaker, Robert Wood Johnson University Hospital Trauma Conference--  
"Trauma Systems"

February 20, 2010--American Medical Student Association, Panel Guest. "So you want to be a  
doctor" New Brunswick, NJ.

November 10, 2009--Lecture to East Millstone First Aid Squad New Jersey "EMS in NJ"

October 21, 2009--Grand Rounds, Drexel University Hospital, Philadelphia, PA--"Evidence  
Based Cardiac Arrest."

Sept 17, 2009-- Cooper University Hospital, Camden, New Jersey--" EMS and Disaster Medicine"

September 17, 2009-- Lecture to South River First Aid Squad--EMS Update

Sept 9, 2009--Grand Rounds, Kings County Medical Center, Brooklyn, New York--"EMS and  
Disaster Medicine."

Sept 8, 2009--East Brunswick First Aid Squad--EMS in New Jersey and Robert Wood Johnson

August 4, 2009-- Grand Rounds University Hospital Newark, New Jersey "EMS and Disaster  
Medicine"

June 3, 2009--New Jersey Emergency Nursing Association Conference, West Central Chapter,  
East Brunswick New Jersey. " Evidence Based Cardiac Arrest"

June 3, 2009--New Jersey Emergency Nursing Association Conference, West Central Chapter,  
East Brunswick, New Jersey. "Top 30 things that will kill you quick."

May 20, 2009--Department of Pediatrics, Pediatric Noon Conference, RWJMS. "EMS and  
Disaster Medicine."

March 25, 2009--Grand Rounds, Newark Beth Israel Medical Center Emergency Medicine  
Residency, Newark, NJ-- "Prehospital Care in the United States."

November 3, 2008--State of New Jersey, Department of Health EMS Conference. "Rapid  
Sequence Intubation Debate."

May 22, 2008--The Leading Edge Paramedic Conference, New Jersey Association of Paramedic  
Programs. Medical Directors Panel

May 19, 2008--Emergency Medicine Grand Rounds, Robert Wood Johnson Medical School and  
University Hospital. Methicillin Resistant Staphylococcus aureus Update.

May 5, 2008--South Brunswick New Jersey, First Aid Squad. Obstetrical and Neonatal  
Emergencies.

April 23, 2008--Surgical Grand Rounds, Robert Wood Johnson Medical School and University Hospital. Prehospital Surgical Literature Update

April 4, 2008--American Association of Critical Care Nursing Annual Meeting. Evidence Based Cardiac Arrest, Woodbridge, NJ

March 13, 2008--Emergency Nursing Association. "Acute Renal Failure", Atlantic City, NJ

March 13, 2008--Emergency Nursing Association. Evidence Based Appendicitis, Atlantic City, NJ

March 7, 2008--Capital Health System, Trenton, New Jersey Paramedic Refresher. Trauma Update

March 4, 2008--Stonybrook University Hospital Grand Rounds, New York--"Evidence Based Cardiac Arrest"

December 14, 2008--New Brunswick Fire Department--Fire Safety

November 21, 2008--Edison New Jersey First Aid Squad--Prehospital Care Update

November 12, 2007--Stroke Conference, Robert Wood Johnson University Hospital. "Prehospital Care of the Stroke Patient"

November 7, 2007--Lecture to Graduate Students at UMDNJ--Graduate School of Biomedical Sciences. Prehospital Care in the United States"

November 2, 2007--NJ Department of Health State EMS Conference--Top 10 Articles of the Year  
October 3, 2006--The Leading Edge Conference (Prehospital NJ EMS Conference) "Prehospital Literature update"

October 29, 2007--Robert Wood Johnson University Hospital Department of Nursing. Obstetrics Lecture.

October 17, 2007--Medical Student Lecture series, RWJMS. "Research Opportunities in Emergency Medicine".

September 25, 2007--Grand Rounds. New Beth Israel Medical Center. Emergency Medicine Residency. "Prehospital Literature Update."

September 24, 2007--New Jersey Hospital Association Conferences for Hospital Administrators. "Diverting patients away from the Emergency Department: Problems in the Current State of Emergency Medicine."

September 20, 2007--South River First Aid Squad. "Prehospital Literature Update"

June 13, 2007--Milltown First Aid Squad. "Prehospital Literature Update"

June 6, 2007--Highland Park First Aid Squad. "Prehospital Literature Update"

May 30, 2007--American College of Cardiology Conference. "Prehospital Care in New Jersey Lecture to all NJ Cardiologists"

May 23, 2007--Hackensack University Hospital EMS Conference. Keynote Speaker "Changing face of EMS"

May 23, 2007--The Leading Edge (NJ EMS Conference) "Pediatric Trauma"

April 24, 2007--South Brunswick First Aid Squad. "Prehospital Literature Update."

March 29, 2007--Milltown First Aid Squad. "Prehospital Literature Update" March 27, 2007--East Brunswick First Aid Squad. "Prehospital Literature Update"

March 16, 2007--Emergency Nursing Association. "Asymptomatic Hypertension in the Emergency Department"

March 15, 2007--Emergency Nursing Association "Top 30 things that will kill you quick"

March 1, 2007--New Jersey Concussion Conference. "Prehospital treatment of concussions"

January 16, 2007--Bristol-Myers-Squibb First Aid Squad. "Prehospital Literature Update"

December 11, 2007--Cranbury First Aid Squad. "Prehospital Literature Update"

November 16, 2007--Grand Rounds. Saint Michaels Medical Center Emergency Medicine Residency "Prehospital Care in New Jersey"

November 2, 2006 NJ Office of Emergency Medical Services Conference--"Prehospital Literature update"

November 1, 2006--Medical Grand rounds--Robert Wood Johnson Medical School--"Evidence Based Cardiac Arrest".

November 1, 2006--Delaware Valley Emergency Nursing Conference Top 30 things that will kill you quick."

October 25, 2006--Cape Cod Hospital--Emergency Medicine Conference--Keynote Speaker. "Evidence Based Cardiac Arrest"

October 16, 2006--North Stelton First Aid Squad Lecture. "Prehospital Literature Update"

October 11, 2006--Edison First Aid Squad. "Prehospital Literature Update"

October 11, 2006--Robert Wood Johnson University Hospital Nursing Lecture. "Ectopic Pregnancy"

October 3, 2006--The Leading Edge (NJ EMS Conference). "Trauma Update"

Sept 27, 2006--Saint Michaels Medical Center Emergency Medicine Residency. Journal Club-- "End Tidal Co2 as a predictor of death in cardiac arrest."

June 13, 2006 Emergency Medicine Grand Rounds Morristown Memorial Hospital "Top 30 things that will kill you quick"

May, 2005--National Faculty Discussant CPC Semi-Final Competition, Society of Academic Emergency Medicine (SAEM) Annual Meeting, New York, NY

2005--International American Academy of Emergency Medicine Lecture (AAEM) Nice, France "Heparin versus Lovenox"

2005--International American Academy of Emergency Medicine (AAEM) Toxicology Section Leader

2003--Present--Twice weekly lecture to New Jersey regional paramedic class on all topics of prehospital care.

2003--NJ ACEP Conference--"The Top 10 articles of the year."

2003--Emergency Medical Associates conference Atlantic City, NJ--Evidence Based Appendicitis

June 6, 2002--Grand Rounds--Lehigh Valley Hospital--Pediatric Cases--Evidence Based review of common childhood diseases

May 30, 2002--Nursing Grand Rounds--Saint Barnabas Medical Center--Thoracic Trauma

May 28<sup>th</sup>, 2002--Guest on "To Your Health" Channel 12 --Acute treatment of Stroke

May 16, 2002-- National American Academy of Emergency Medicine Lecture--Should Critically Ill Children be Intubated Prehospitally?"

April 4, 2002--State of New Jersey-- American College of Emergency Physicians Key Note Lecture--TPA for Stroke: The Great Debate

Feb 28, 2002--The New Jersey State Physician Assistant Conference, American Hospital Associations--"What's new in this year's literature?"

December 8 and 9, 2001 - Advanced Pediatric Life Support (APLS) Course Director- 2 day course for the Saint Barnabas Health Care System, Livingston, New Jersey

December 3, 2001-Grand Rounds-New York College of Osteopathic Medicine, New York-  
“Comprehensive Review of Emergency Medicine”

October 30, 2001-Robert Wood Johnson Hospital-The Leading Edge Conference-“TPA for Stroke: The Great Debat”

May 31, 2001-Grand Rounds-Newark Beth Israel-“TPA for Stroke”

March 14, 2001-Grand Rounds, Saint Barnabas Medical Center Livingston, NJ-“TPA for Stroke”

March 1, 2001-New Jersey PA conference-American Hospital Association-Evidence Based review of the cardiac arrest literature”

January 31, 2001-Emergency Medicine Grand Rounds, Mt Sinai Hospital, New York-Oral Manifestations of Systemic Disease

October, 2000-National American College of Emergency Physicians Lecture-Oral Manifestations of Systemic Disease, San Francisco, California.