

CURRICULUM VITAE

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EDUCATION

Undergraduate: Brown University, ScB degree in Biomedical Engineering with Honors, May 1986

Graduate: Brown University, MS degree in Biomedical Engineering, May 1987

Medical School: Brown University School of Medicine, MD degree, May, 1992

POSTGRADUATE TRAINING

Residency: Rhode Island Hospital, Emergency Medicine, Resident, June, 1992-1995

Rhode Island Hospital, Emergency Medicine, Chief Resident, June, 1995-1996

Fellowship: Rhode Island Hospital, Society for Academic Emergency Medicine, Neuroscience Research Fellowship, July 1, 2003- June 30, 2004.

POSTGRADUATE HONORS AND AWARDS

1. The American Heart Association award “For Lifesaving Efforts on Behalf of Justin Hicks, Christopher Martini and Thomas Martini on Sunday, December 10, 1995” presented at the 55th annual meeting of the American Heart Association, Rhode Island Affiliate, April 1, 1996.
2. Governor’s Commendation for "Outstanding volunteer work during the meningitis epidemic in Woonsocket" October 22- November 8, 1997
3. Letter of Thank You from the Mayor of Woonsocket for "Outstanding volunteer work during the meningitis epidemic in Woonsocket" October 22- November 8, 1997
4. Letter of appreciation form the United States Secret Service for the medical support provided by Rhode Island Disaster Medical Assistance Team during the August 17, 1997 visit of the President, William Clinton, to Block Island. I was involved in the planning and execution of this mission as chief medical officer.
5. Teaching Assistantship, Brown University, 1986-1988
6. Chief Residency, Rhode Island Hospital, Brown University School of Medicine, 1995-1996
7. National Disaster Medical System (NDMS) “Distinguished Member” award, presented at the 1999 annual NDMS meeting in Washington DC, May, 1999.
8. Selected as a “Fellow” in the American College of Emergency Physicians, October 13, 1999.
9. Society for Academic Emergency Medicine 1999 Annual Meeting Presentation Award for best basic science poster. Suner S, Jay G, Raymond R. Myocardial Depression in Rat Hearts Perfused Ex-Vivo with Carbon Monoxide *Academic Emergency Medicine* 1999;6(5):394.
10. United States Health and Human Services Secretary's Distinguished Services Award for outstanding service during Operation Provide Refuge for the Kosovar Refugees at Ft. Dix. Presented by the Secretary of HHS, Donna Shalala, May 9, 2000 in Washington DC.
11. Letter of thank you from United States Health and Human Services Secretary Tommy G. Thompson, for the response to the September 11, 2001 terrorist attacks. March 11, 2002 in Washington DC.
12. Hospital Association of Rhode Island Public Service Award 2001 “For Courageous and Noble Volunteerism in Service of America”. Presented by the Governor of Rhode Island, Lincoln Almond, at the Hospital Association of Rhode Island’s Twelfth Annual Celebration of Excellence October 11, 2001, Cranston, RI.

13. Excellence in Research Award for presentation: “Injuries among Workers During the 2001 World Trade Center Rescue and Recovery Mission. Presented during the New England Regional Society for Academic Emergency Medicine Meeting, Shrewsbury, MA, April 3, 2002.
14. National Disaster Medical System Outstanding Achievement Certificate presented in recognition of outstanding performance of duty and contributions made to the National Disaster Medical System’s emergency response operations during Terrorist Attacks on America. Presented at the National Disaster Medical System annual meeting in Reno, Nevada, March 8-12, 2003.
15. Society for Emergency Medicine Neuroscience Fellowship award presented at the SAEM Annual Meeting in Boston, MA, 5-30-2003.
16. Society for Academic Emergency Medicine 2004 Annual Meeting Presentation Award for best basic science presentation. SAEM Annual Conference, New York, NY, May 23, 2005.
17. First Turkish National Disaster Medicine Congress Third Prize for Best Scientific Presentation. Presented by the Congress Chair Prof. Dr. Tahir Ozisik. June 30, 2004, Antalya, Turkey.
18. First Turkish National Disaster Medicine Congress Excellence in Disaster Training Program Development. Presented by the Congress Chair Prof. Dr. Tahir Ozisik. June 30, 2004, Antalya, Turkey.
19. Selected as a “Top Peer Reviewer” for *Annals of Emergency Medicine* in 2004.
20. Brown University Department of Emergency Medicine, The Paul Calabresi Faculty Research Award in recognition of excellence, Whose publication “Reliability of signals from a chronically implanted silicon-based electrode array in non-human primate motor cortex” was chosen the most outstanding emergency physician scientific publication. Awarded June 2005, Providence, RI.
21. The National Collegiate Inventors and Innovators Alliance, second-place prize for developing AnemiaCAM. Submitted by Graduate Student John McMurdy. May, 2006.

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

Rhode Island State Medical License Number: MD09041

Diplomate of the American Board of Emergency Medicine 1997- 2007 Certification
Number: 960371

ACADEMIC APPOINTMENTS

1995-1997	Clinical Instructor of Medicine, Brown Medical School, Providence.
1997-1999	Clinical Assistant Professor of Surgery (Emergency Medicine), Brown Medical School, Providence.
1999- 2005	Assistant Professor of Surgery (Emergency Medicine), Brown Medical School, Providence.
2005-present	Assistant Professor of Emergency Medicine and Surgery, Brown Medical School. Providence.
2006(April)-present	Assistant Professor, Division of Engineering, Brown University, Providence.
2006 (July)-present	Associate Professor of Emergency Medicine and Surgery, Brown Medical School. Providence.
2006(July)-present	Associate Professor, Division of Engineering, Brown University, Providence.

HOSPITAL APPOINTMENTS

1996- present	Attending Physician; Department of Emergency Medicine, Rhode Island Hospital
1996- present	Attending Physician; Department of Emergency Medicine, The Miriam Hospital
2005-present	Director, Disaster Response and Emergency Preparedness, Department of Emergency Medicine, Rhode Island Hospital.
2006-present	Trauma Liaison for the Department of Emergency Medicine, Rhode Island Hospital.

OTHER APPOINTMENTS

1990-present	Dive Rescue as Public Safety Diver
1990-present	Critical Incident Stress Debriefing (CISD)
1992- present	Flight Physician United States Public Health Service, Rhode Island Disaster Medical Assistance Team
1994-2002	American Heart Association PALS Instructor
1995-1996	Physician for ESPN Extreme Games
1995-present	American College of Surgeons ATLS Instructor

1996	ESPN Extreme Games Physician and Emergency Medical Services Coordinator, Rhode Island
1996-2002	Medical Advisor to Brown University EMS
1996-present	Medical Advisor for Swansea Police-Fire Dive Rescue Team
1996- 1999	Medical Officer; United States Public Health Service, Rhode Island Disaster Medical Assistance Team
1996-present	Certified Dive Rescue PSD and NOAA Diving Physician
1996-present	Flight Physician
1997	ESPN Extreme Games Chief Medical Officer, Rhode Island
1998- present	Appointed as Medical Director of Western Coventry Fire District in Rhode Island
1999- 2000	Senior Medical Officer; United States Public Health Service, Rhode Island Disaster Medical Assistance Team
1999-present	Train-the-Trainer Emergency Responder Nuclear, Biological and Chemical Technician- Hospital Provider Course. United States National Domestic Preparedness Program
1999-2002	Chief Medical Officer for NBC Gravity Games
1999	NBC Summer Gravity Games Chief Medical Officer, Providence, Rhode Island, September 5-12, 1999.
2000	NBC Winter Gravity Games Chief Medical Officer, Mammoth Lakes California, January 20-25, 2000
2000	Appointed to the Board of Directors of Winning Medical International (WMI)
2000-present	Selected as a primary author for the National Disaster Medical System Training and Education Program.
2000	Summer Gravity Games Chief Medical Officer, Providence, Rhode Island, July 15-23, 2000.
2000-present	Disaster Medical Assistance Team (DMAT) National Standard Procedures Development Task Force
2000-present	Cochrane Airways Group Translation Network
2000-present	Team Leader; United States Department of Homeland Security, Rhode Island Disaster Medical Assistance Team
2001-present	Trauma Certification Review Team, State of Missouri.
2002-present	Selected as reviewer for the Society for Academic Emergency Medicine National annual meeting abstracts.
2002	Selected as reviewer for the New England Chapter of the Society for Academic Emergency Medicine Regional annual meeting abstracts.
2002- 2007	Appointed to the Rhode Island State Ambulance Service Coordinating Advisory Board by the Governor of Rhode Island, Lincoln Almond
2003-present	Selected as manuscript peer reviewer for the <i>Annals of Emergency Medicine</i>
2002-2005	Selected as manuscript peer reviewer of <i>Academic Emergency Medicine</i>
2004-	Adjunct Faculty Center for Biodefense and Emerging Pathogens, Memorial Hospital of Rhode Island
2004- present	Consultant: Cyberkinetics Incorporated, Foxborough, MA.

2005	RNAT-MEDICAL Work Group for the National Disaster Medical System, FEMA, DHS: Charged with development of a rapid evaluation tool for determining NDMS asset requirements after a disaster. Appointed by the Director for the National Disaster Medical System, FEMA, DHS, Jack Beall.
2005-present	Selected as manuscript peer reviewer for the <i>Disaster Management and Response</i> journal.
2005-present	Selected as manuscript peer reviewer for the <i>International Journal of Cardiology</i> .
2005-present	Selected to the Editorial Board of <i>emedhome.com</i> , an educational and Continuing Medical Education online resource updated weekly.
2005-present	National Disaster Medical System, FEMA/DHS Medical Needs Assessment Team (MNAT) medical officer.
2005-present	Medical Director. Paramedic Course, East Bay Medical Educators, Bristol, Rhode Island.
2006-present	Appointed to the Editorial Board, <i>Turkish Journal of Emergency Medicine</i> .
2006-present	Medical Director. Paramedic Course, Emergency Training Associates, Somerset, MA.

HOSPITAL COMMITTEES

1999-2000	Rhode Island Hospital Disaster Committee
2000-2001	Acting Chairman, Rhode Island Hospital Disaster Committee
2001-present	Chairman, Rhode Island Hospital Emergency Preparedness Committee (formerly the Disaster Committee)
2000-present	Rhode Island Hospital Trauma Committee
2000-present	Rhode Island Hospital Trauma Operations Committee
2000-2001	Rhode Island Hospital Patient Safety Committee
2001-present	Lifespan Terrorism Planning Committee
2003-present	Hospital Preparedness Planning Committee
2005-present	Hospital Pandemic Influenza Contingency Planning Group

UNIVERSITY COMMITTEES

2002-2005	Brown University Medical Faculty Executive Committee (by election)
2003-2006	Brown University Committee on Academic Standing (CAS)
2004-present	Brown Medical School, Department of Emergency Medicine Research Committee
2005-present	Brown University Core Crisis Team (CCT) for planning to respond to a potential influenza pandemic.
2006-present	Brown Medical School Curriculum Development Committee.

OTHER COMMITTEES

2000 – present	Statewide Hospital Emergency Planning Committee (HEPC)
1999 – present	Lieutenant Governor’s Emergency Management Advisory Counsel Domestic Preparedness Subcommittee
2001 – present	Lieutenant Governor’s Emergency Management Advisory Counsel Domestic Preparedness Subcommittee: Community WMD Working Group
1997 - 2001	United States Department of Justice United States Attorney District of Rhode Island Terrorism Emergency Response Team Committee.
1999 - 2000	Measured Response- Providence Chemical Functional Exercise Planning Committee.
1999 - 2000	Measured Response- Providence Biological Tabletop Exercise Planning Committee
1999 - 2002	Rhode Island State Emergency Response Commission.
2002 - present	Providence Emergency Management Agency, Metropolitan Medical Response System (MMRS) Steering Committee.
2003 - 2006	Rhode Island Trauma System Advisory Committee.
2003-present	University Emergency Medicine Foundation Research Committee
2003-present	University Emergency Medicine Foundation (UEMF) research committee

MEMBERSHIP IN SOCIETIES

Society for Neuroscience, member, since 1986
RI CISD founding team member, since 1989
DMAT RI-1 founding team member, since 1990
ACEP (American College of Emergency Medicine), since 1992
ACEP Disaster Medicine Section Member
SAEM (Society for Academic Emergency Medicine), since 1992
SAEM Disaster Medicine Interest Group
NAEMSP (National Association of EMS physicians), 1995-1997

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Sanes JN, **Suner S**, Lando JF, Donoghue JP Rapid organization of adult motor cortex somatic representation patterns after motor nerve injury (1988), *Proceedings of the National Academy of Sciences* 85:2003-2007
2. Donoghue JP, **Suner S**, Sanes JN Dynamic organization of cortical motor representation. II Rapid shifts in organization following motor nerve lesions (1990) *Exp. Brain Res.* 79:492-503

3. Sanes JN, **Suner S**, Donoghue JP Dynamic organization of cortical motor representation. I Long-term patterns of reorganization following nerve injury (1990) *Exp. Brain Res.* 79:479-491
4. **Suner S**, Simon HK, Feit LR, Linakis J Child with Idiopathic Ventricular Tachycardia of Prolonged Duration (1995) *Annals of Emergency Medicine* 25(5): 706-709
5. **Suner S**, Jagminas L, Peipert JF, Linakis J Fatal Spontaneous Rupture of a Gravid Uterus: Case Report and Literature Review of Uterine Rupture (1996), *Journal of Emergency Medicine* 14(2):177-180
6. **Suner S**, Szlatenyi SC, Wang R. Pediatric Gamma Hydroxybutyrate Intoxication (1997), *Academic Emergency Medicine* 4(11):1041-1045
7. Sullivan FM, Kleinman GJ, **Suner S**, St.Jean J. Development of an Equipment and Supply List for Emergency Medical Services delivery at an Annual Air Show.(1999) *Prehospital and Disaster Medicine* 14(1);100-103.
8. **Suner S**, Simmons W, Savitt D. A Porcine Model for Instruction of Lateral Canthotomy (2000), *Academic Emergency Medicine* 7(7):837-8
9. Fisher S, **Suner S** Orthopedic Concerns in the Elderly. *Geriatric Emergency Medicine Reports* (2000);1(7):53-64.
10. Dreitlein D, **Suner S**, Basler J. Genitourinary Trauma. *Emergency Medicine Clinics of North America* (2001);19(3):569-590.
11. Marcozzi D and **Suner S**. The Nontraumatic, Acute Scrotum. *Emergency Medicine Clinics of North America* 2001;19(3):547-567.
12. **Suner S**, Jay GD, Kleinman GJ, Woolard RH, Jagminas L and Becker BM. Cardiopulmonary Resuscitation Using the Cardio Vent Device in a Resuscitation Model. (2002). *The Journal of Emergency Medicine* 22(4): 335-340.
13. Partridge R, Lawrence T, **Suner S**. Medical Counter-Bioterrorism: Anthrax prophylaxis to United States Postal Service Employees in New York City in October 2001 (2003). *Annals of Emergency Medicine* 41(4): 441-446.
14. Kobayashi L, Shapiro MJ, **Suner S**, Williams KA. Disaster Medicine: The potential role of high fidelity medical simulation for mass casualty incident training (2003). *Medicine and Health Rhode Island* 86(7):196-200.
15. Williams KA, **Suner S**, Sullivan F, Woolard R. Rhode Island Disaster Initiative (2003). *Medicine and Health Rhode Island* 86(7):207-210.

16. Woolard R, Lai M, Shapiro MJ, Kobayashi L, Jay G, **Suner S**, Williams KA, Sullivan S. Emergency department design after 9/11/2001 (2003). *Medicine and Health Rhode Island* 86(7):204-206.
17. Gutman DC, Biffi WL, **Suner S**, Cioffi WG. The Station Nightclub Fire and Disaster Preparedness in Rhode Island (2003). *Medicine and Health Rhode Island* 86(11):344-346.
18. **Suner S**. On-site Medical Care During the September 11th WTC Terrorist Attack Rescue and Recovery Effort and the National Disaster Medical System (NDMS) (2003). *Medicine and Health Rhode Island* 86(11):354-356.
19. Jay GD, Lee P, Goldsmith H, Battat J, Maurer J and **Suner S**. CPR Effectiveness in Microgravity: Comparison of Three Positions and a Mechanical Device. *Aviation, Space and Environmental Medicine* (2003). 74(11):1183-1189.
20. Shapiro MJ, Morey JC, Small SD, Langford V, Kaylor CJ, Jagminas L, **Suner S**, Simon R and Jay G. Simulation based Teamwork Training for Emergency Department Staff: Does it Improve Clinical Team Performance when Added to an Existing Didactic Teamwork Curriculum? *Quality and Safety in Healthcare* (2004);13(6):417-421.
21. Yanturali S, **Suner S**, Aksay E, Cevik AA, Sonmez Y. To Be Vaccinated or Not? A Survey of Turkish Emergency Physicians Regarding Smallpox. (2005) *Journal of Emergency Medicine* 28(2):139-145.
22. Yanturali S, Ersoy G, Yuruktumen A, Aksay E, **Suner S**, Sonmez Y, Oray D, Colak N, Cimrin AH. A National Survey of Turkish Emergency Physicians Perspectives Regarding Family Witnessed Cardiopulmonary Resuscitation. (2005) *International Journal of Clinical Practice* 59(4):441-446.
23. **Suner S**, Fellows M, Vargas-Irwin C, Nakata K and Donoghue JP. Reliability of signals from chronically implanted, silicon-based electrode array in non-human primate primary motor cortex. (2005) *IEEE Transactions in Neural Systems and Rehabilitation Engineering*, 13(4): 524-541.
24. McMurdy, JW, Jay GD, **Suner S**, Trespelacios F, Crawford GP. Diffuse Reflectance Spectra of the Palpebral Conjunctiva and its Utility as a Non-Invasive Indicator of Total Hemoglobin. (2006) *Journal of Biomedical Optics* 11(1):14019-14027.
25. Kobayashi L, **Suner S**, Shapiro MJ, Jay G, Sullivan F, Overly F, Seekell C, Hill A, Williams KA. Designing multi-patient advanced medical simulation disaster scenarios for civilian pre-hospital medical response training and evaluation: a “dirty bomb” case study. (2006) *Simulation in Healthcare* 1(2): 72-8.

26. Williams KA, Sullivan F, **Suner S**, Shapiro M, Kobayashi L, Woolard B, Hill W and Seekell C. 'Rhode Island disaster initiative', (2006) *Int. J. Risk Assessment and Management*,.
27. McMurdy, JW, Jay GD, **Suner S**, Crawford GP. Anemia Detection Utilizing Diffuse Reflectance Spectra from the Palpebral Conjunctiva and Tunable Liquid Crystal Technology. (2006) *Proc. of SPIE* 6177:61771C1-C10.

OTHER PEER-REVIEWED PUBLICATIONS

1. **Suner S**. Rapid reorganization of motor cortical topographic representation of musculature in adult rats (1986) *Master of Science Thesis*, Brown University, Providence

BOOKS AND BOOK CHAPTERS

1. **Suner S**, Savitt D. Atlas of Emergency Medicine Second Edition (2002), Chapter 12: Extremity Conditions pages: 347-375, KJ Knoop, LB Stack, AB Storrow Eds., McGraw-Hill, New York.
2. **Suner S**, Savitt D. Atlas of Emergency Medicine (1997), Chapter 12: Extremity Conditions pages: 316-340, KJ Knoop, LB Stack, AB Storrow Eds., McGraw-Hill, New York.
3. **Suner S**. Musculoskeletal Trauma. Pre-Hospital Care of the Elder Patient Chapter 14, Eds. Partridge and Becker Brady/Prentice Hall 2004, Upper Saddle River, NJ.
4. **Suner S**. Abdominal and Pelvic Trauma. Pre-Hospital Care of the Elder Patient Chapter 14, Eds. Partridge and Becker Brady/Prentice Hall 2004, Upper Saddle River, NJ.
5. **Suner S**. Associate Editor: Disaster Medicine. Ed: Ciattono G. 2005 Mosby, March, 2006.
6. **Suner S**, Chee K, Partridge R, Sucov J, Valente J and Jay G. Non-Invasive Carboxyhemoglobin Monitoring: Carbon Monoxide Toxicity Screening in the Emergency Department and Implications for Disaster Medical Care. International Disaster Reduction Conference Extended Abstracts, Volume 3, pages 578-581. Eds. Walter Ammann, Jordahna Haig, Christine Houvinen and Martina Stocker. .Swiss Federal Research Institute WSL, Birmensdorf and Davos, Switzerland, 2006.

PUBLICATIONS SUBMITTED OR IN PREPARATION

1. McMurdy JW, Crawford GP, Jay GJ, **Suner S**. A novel medical diagnostic tool for non-invasively measuring hemoglobin utilizing switchable H-PDLC display technology. (2005) *SID 05 Digest*. Accepted for publication.
2. **Suner S**, Crawford D, Jay GD. Noninvasive Determination of Hemoglobin by Digital Photography of Palpebral Conjunctiva. Submitted.
3. Ersoy G, Yanturali S, Atilla R, Aksay E, Karakus NE, **Suner S**. Relative's Perspectives Regarding Family Witnessed Cardiopulmonary Resuscitation. *International Journal of Clinical Practice*. Submitted.
4. Suner S, Chee K, Partridge R, Sucov a, Valente J and Jay G. Non-Invasive Carbon Monoxide Screening in the Emergency Department is Valuable. (2006) *Annals of Emergency Medicine*. Submitted.

ABSTRACTS

1. **Suner S**, Donoghue JP, Schlaggar BL, Sanes JN Peripheral injury induces motor cortex reorganization in adult rats (1986) *Neurosci. Abstr.* 12:1285
2. Donoghue JP, **Suner S**, Lando JF, Sanes JN Motor cortical representation patterns shift rapidly following motor nerve section (1987) *Neurosci. Abstr.* 13: 242.
3. **Suner S**, Gutman DC, Gaal G, Sanes JN and Donoghue JP Reorganization of monkey motor cortex related to motor skill learning (1993) *Neurosci. Abstr.* 19:775
4. **Suner S**, Jagminas L, Woolard RH, Jay GD, Kleinman GJ and Becker BM Comparison of Two-Person CPR with Bag-Valve-Mask Device (BVM) to One-Person CPR Using the Kendall Cardiovent[®] (KCV[®]) Device in an Intubated CPR Mannequin (1995) *Prehospital and Disaster Medicine* 10(1): S34.
5. Jagminas L, **Suner S**, Jay GD The second derivative of the end tidal CO₂ waveform is associated with admission in acute exacerbation of asthma. (1996) *Academic Emergency Medicine* 1996 3(5):455-456.
6. Suner S, Jagminas L, Piepert JF, Linakis J. Rupture Spontanee Fatale De L'uterus Gravide: Observation Et Revue De La Literature De La Rupture Uterine. *Journal of Emergency Medicine* 1996; 14(2):284
7. **Suner S**, Szlatenyi S, Wang R Gamma Hydroxybutyrate Toxicity in Children (1996) *Journal of Toxicology, Clinical Toxicology* 1996;34(5):596

8. Daddario DM, Kleinman GJ, **Suner S**: An Emergency Physician-Staffed On-Site Facility Reduces the Number of Patients Transported to Hospitals at Air Shows. *Academic Emergency Medicine* 1997;4(5):416
9. Daddario DM, Kleinman GJ, **Suner S**: Emergency Physician-Staffed On-Site Facility at Air Shows Reduces the Number of Patients Transported to Hospitals. *The Journal of Emergency Medicine* 1998;16(2S):30S
10. **Suner S**, Daddario DM, Kleinman GJ Emergency Physicians Can Safely Evaluate, Treat, and Discharge Patients at On-Site Emergency Facilities at Air Shows. *The Journal of Emergency Medicine* 1998;16(2S):92S
11. **Suner S**, Jay G, Raymond R Myocardial Depression in Rat Hearts Perfused Ex-Vivo with Carbon Monoxide. *Academic Emergency Medicine* 1999;6(5):394.
12. **Suner S**, Simmons W, Savitt D A Porcine Model for Instruction of Lateral Canthotomy. *Academic Emergency Medicine* 1999;6(5):486.
13. **Suner S**. Injuries During Competitive Youth Soccer. Presented at the 5th Annual New England Regional Society of Academic Emergency Medicine Conference. Hoagland Pincus Conference Center, Shrewsbury, Massachusetts, April 6, 2001. *Academic Emergency Medicine* 2001;8(5):457.
14. Ernsting K, **Suner S**, Jay GD. Use of Digital Imaging of Conjunctiva to Predict Hemoglobin Concentration. *Academic Emergency Medicine* 2001;8(5):528.
15. Ernsting, K, **Suner, S**, Jay, GD: Noninvasive determination of hemoglobin by digital photography of palpebral conjunctiva. British Society for Haematology 41st Annual Meeting, London, UK, April 2001. NOMINATED FOR BEST POSTER PRESENTATION BY A YOUNG INVESTIGATOR.
16. Sucov A, Shapiro MJ, Jay GD, **Suner S**, Simon R and Kaylor C. Anonymous Error reporting As An Adjunct to Traditional Incident Reporting Improves Error Detection. *Academic Emergency Medicine* 2001;8(5):498.
17. Anonymous Error Reporting in the Emergency Department: Demographics and Factors Contributing to Medical Error. 5th Annual New England Regional Society of Academic Emergency Medicine Conference. Hoagland Pincus Conference Center, Shrewsbury, Massachusetts, April 6, 2001.
18. **Suner S**, Jay G, Gum R, Ciottone G. Injuries Among Workers During the 2001 World Trade Center Rescue and Recovery Mission. *Academic Emergency Medicine*.

19. Sidman R, Lubin J, **Suner S**. Cricoid Pressure: How good are emergency medicine residents when asked and observed? Society for Academic Emergency Medicine Annual Meeting, May 2002; St. Louis, MO.
20. Lubin J, **Suner S**, Sidman R. Outcome of patients undergoing endotracheal intubation by emergency physicians in a tertiary care center. Society for Academic Emergency Medicine New England Regional Meeting, April 2002; Shrewsbury, MA.
21. Partridge R, **Suner S**. Medical Counter-Bioterrorism: Anthrax prophylaxis to United States Postal Service Employees in New York City in October 2001. Public Health Research Day, Brown Medical School, Sayles Hall, March 12, 2002 and National American College of Emergency Medicine meeting in Seattle, 2002; Brown Department of Medicine Eighth Annual Research Forum. Smith-Buonanno Hall, Brown University, Providence, RI, June 13, 2002.
22. **Suner S**. Injuries Among Workers During the 2001 World Trade Center Rescue and Recovery Mission. 6th Annual New England Regional Society for Academic Emergency Medicine Conference. Hoagland-Pincus Conference Center, Shrewsbury, Massachusetts, April 3, 2002.
23. Lubin J, Skarbek-Borowski G, Brown J, Trespalacios F, **Suner S**. The impact of physician presence on patient triage and transport at an annual mass gathering event. National Association of EMS Physicians Annual Meeting, January 2003; Panama City Beach, FL.
24. Yanturali S, **Suner S**, Sonmez Y. To be Vaccinated or Not? Turkish Emergency Physicians' Smallpox Survey. The Second Mediterranean Emergency Medicine Congress. September 13-17, 2003, Barcelona, Spain.
25. **Suner S**, Fellows MC, Vargas-Irwin C, Donoghue JP. Stability of single unit recording from bionic 100 - electrode array implanted in primate motor cortex.. Program No. 607.12. *2003 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience
26. Shapiro M, Kobayashi L, Williams K, Sullivan F, Sekell C, **Suner S**. Use Of Personal Protective Equipment (PPE) Does Not Impede Airway Management In An Environment Simulating A Chemical Weapons Of Mass Destruction (WMD) Attack. 4th International Meeting on Medical Simulation. Society for Technology in Anesthesia. January 16-18, 2004, Albuquerque/Santa Fe, NM.
27. **Suner S**, Williams K, Shapiro M, Kobayashi L, Woolard R and Sullivan F. Effect of Personal Protective Equipment (PPE) on Rapid Patient Assessment and Treatment During a Simulated Chemical Weapons of Mass Destruction (WMD) Attack. Society for Academic Emergency Medicine New England Regional Meeting, April 2004; Shrewsbury, MA.

28. **Suner S**, M.R. Fellows, C. Vargas-Irwin, J.P. Donoghue. Defining Long-term Signal Stability For a 100-electrode Chronically Implanted Array To Develop a Primate Model For Studying The Effect Of Near-by Injury To Individual Neurons In Motor Cortex (M1). Society for Academic Emergency Medicine New England Regional Meeting, April 2004; Shrewsbury, MA.
29. **Suner S**, M.R. Fellows, C. Vargas-Irwin, J.P. Donoghue. Determination of Physiological Variables to Assess Changes in Neuronal Function Following Injury to Near-by Neurons. Society for Academic Emergency Medicine New England Regional Meeting, April 2004; Shrewsbury, MA.
30. Williams K, Sullivan F, **Suner S**, Shapiro M, Kobayashi L, Woolard R, Seekell C, Trespalacios F. Triage Behaviors of First Responders. Society for Academic Emergency Medicine New England Regional Meeting, April 2004; Shrewsbury, MA.
31. Williams K, Sullivan F, **Suner S**, Kobayashi L, Woolard R, Seekell C. Do First Responders enter unsafe environments? Society for Academic Emergency Medicine New England Regional Meeting, April 2004; Shrewsbury, MA.
32. **Suner S**, Williams K, Shapiro M, Kobayashi L, Woolard R and Sullivan F. Effect of Personal Protective Equipment (PPE) on Rapid Patient Assessment and Treatment During a Simulated Chemical Weapons of Mass Destruction (WMD) Attack. Society for Academic Emergency Medicine Annual Meeting, May 2004; Orland, FL.
33. **Suner S**, M.R. Fellows, C. Vargas-Irwin, J.P. Donoghue. Defining Long-term Signal Stability For a 100-electrode Chronically Implanted Array To Develop a Primate Model For Studying The Effect Of Near-by Injury To Individual Neurons In Motor Cortex (M1). Society for Academic Emergency Medicine Annual Meeting, May 2004; Orland, FL.
34. **Suner S**, M.R. Fellows, C. Vargas-Irwin, J.P. Donoghue. Determination of Physiological Variables to Assess Changes in Neuronal Function Following Injury to Near-by Neurons. Society for Academic Emergency Medicine Annual Meeting, May 2004; Orland, FL.
35. Kobayashi L, Shapiro MJ, Hill A, **Suner S**, Jay G. Creating a MESS (Multiple Encounter Simulation Scenario) for Medical Error Reduction and Enhanced Medical Education. Society for Academic Emergency Medicine Annual Meeting, May 2004; Orland, FL.
36. Williams K, Sullivan F, **Suner S**, Shapiro M, Kobayashi L, Woolard R, Seekell C, Trespalacios F. Triage Behaviors of First Responders. Society for Academic Emergency Medicine Annual Meeting, May 2004; Orland, FL.
37. Williams K, Sullivan F, **Suner S**, Kobayashi L, Woolard R, Seekell C. Do First

- Responders enter unsafe environments? Society for Academic Emergency Medicine Annual Meeting, May 2004; Orland, FL.
38. **Suner S**, Shaikhouni A, Vargas-Irwin C, Fellows MC, Donoghue JP. Spatial-Temporal Propagation Of Leaned Movement Related Neuronal Activity In The Arm Area Of Motor Cortex In Non-Human Primates. Program No. *2004 Abstract Viewer/Itinerary Planner*. San Diego CA: Society for Neuroscience
 39. Donoghue JP, Fellows MC, Vargas-Irwin C, Travers BA, **Suner S**. Long Term Intracortical Recording With Multielectrode Arrays In Primates: Histological Responses And Recording. Program No. . *2004 Abstract Viewer/Itinerary Planner*. San Diego CA: Society for Neuroscience
 40. Hochberg LR, **Suner S**, Fellows MC., Friehs GM, Donoghue JP. Intracortical Recordings from a 100-Microelectrode Array: Potential Applications in Human Neurophysiology. American Epilepsy Society abstract, Washington, DC, Dec 2-6, 2005
 41. Ersoy G, Yanturali S, **Suner S**, Karakus NE, Aksy E, Atilla R. Relative's Perspectives Regarding Family Witnessed Cardiopulmonary Resuscitation. 3rd Mediterranean Emergency Medicine Congress, September 1-5, 2005, Nice, France.
 42. Ersoy G, Yanturali S, **Suner S**, Karakus NE, , Aksy E, Atilla R. Hasta Yakınlarının Kardiyo Pulmoner Resüsitasyon Girişimine Tanıklık Etme Arzuları. Second National Turkish Emergency Medicine Congress, Cesme, Turkey.
 43. Ersoy G, Yanturali S, **Suner S**, Karakus NE, , Aksy E, Atilla R Hasta yakınlarının hastalarına yapılan kardiopulmoner resusitasyon girişimine tanıklık etme arzuları ve isteklerini etkileyen sosyoekonomik faktörler. Fifth National Trauma and Emergency Surgery Congress. November 16-20, Side, Turkey.
 44. Hochberg LR, **Suner S**, Fellows M, Friehs GM, Donoghue JP. Intracortical Recordings from a 100-Microelectrode Array: Potential Applications in Human Neurophysiology. *Epilepsia* (2005) 46(suppl 8): 256.

SCHOLARLY WORK PUBLISHED IN OTHER MEDIA

1. **Suner S**. Carbon monoxide toxicity for the emergency physician practicing in the third millennium. <http://www.eMedHome.com>; Feature Article, April 24, 2000.
2. **Suner S and Gaffney J**. Medicine at Mass Gathering Events. <http://www.eMedHome.com>; Feature Article, December 25, 2000.
3. **Suner S**. Turner's Sign. <http://www.eMedHome.com>; Photographic Cases and Reviews, March 4, 2005, July 18, 2003, July 5, 2002; April 25, 2000.

4. **Suner S.** Superior Vena Cava Syndrome. <http://www.eMedHome.com>; Photographic Cases and Reviews, April 16, 2004; June 23, 2000.
5. **Suner S.** Brachial Plexus Injury. <http://www.eMedHome.com>; Photographic Cases and Reviews. March 11, 2005, August 27, 2003, September 1, 2000.
6. **Suner S.** Toxic Epidermal Necrolysis. <http://www.eMedHome.com>; Photographic Cases and Reviews, June 11, 2004; September 15, 2000.
7. **Suner S.** Arterial Embolization after IV Drug Injection. <http://www.eMedHome.com>; Photographic Cases and Reviews, December 29, 2000, February 11, 2005.
8. **Suner S.** Emergency Neurology: Principles and Practice. Book review. *Annals of Emergency Medicine* (2000) 36(2):176-177.
9. **Suner S.** Hydrofluoric Acid Burn to the Hand. <http://www.eMedHome.com>; Photographic Cases and Reviews, September 12, 2003, November 23, 2001; September 8, 2000.
10. **Suner S.** Osteogenesis Imperfecta. <http://www.eMedHome.com>; Photographic Cases and Reviews, September 28, 2001; December 29, 2000.
11. **Suner S.** Phegmasia Cerulens Dolens. <http://www.eMedHome.com>; Photographic Cases and Reviews, March 17, 2005, April 25, 2003, September 7, 2001; October 6, 2000
12. **Suner S.** Sepsis. <http://www.emedicine.com>; AAEM Emergency Medical and Family Health Guide. March 1, 2001
13. **Suner S.** Acute Gouty Arthritis. <http://www.eMedHome.com>; Photographic Cases and Reviews, September 26, 2003, December 28, 2001
14. **Suner S.** Prevertebral Abscess. <http://www.eMedHome.com>; Photographic Cases and Reviews, December 21, 2001.
15. **Suner S.** Corneal Laceration. <http://www.eMedHome.com>; Photographic Cases and Reviews, June 22, 2001.
16. **Suner S.** Herpes Zoster Ophthalmicus. <http://www.eMedHome.com>; Photographic Cases and Reviews, August 24, 2001.
17. **Suner S.** Palmar Space Abscess and Compartment Syndrome of the Hand. <http://www.eMedHome.com>; Photographic Cases and Reviews, July 16, 2004; March 16, 2001.

18. **Suner S.** Leukocytoclastic Vasculitis. <http://www.eMedHome.com>; Photographic Cases and Reviews, June 28, 2002; February 16, 2001.
19. **Suner S.** Rupture of the Long Head of the Biceps Tendon. <http://www.eMedHome.com>; Photographic Cases and Reviews, July, 9,2004; June 21, 2002; April 27, 2001.
20. **Suner S.** Anterior Knee Dislocation. <http://www.eMedHome.com>; Photographic Cases and Reviews, February 6, 2004; June 14, 2002; June 1, 2001.
21. **Suner S.** Luxatio Erecta. <http://www.eMedHome.com>; Photographic Cases and Reviews, January 2, 2004, March 22, 2002, May 4, 2001.
22. **Suner S.** Blue Dot Sign. <http://www.eMedHome.com>; Photographic Cases and Reviews, October 15, 2004; May 31, 2002; April 20, 2001.
23. **Suner S.** Sialolithiasis. <http://www.eMedHome.com>; Photographic Cases and Reviews, October 31, 2003, Jan 4, 2002, 2002; January 2, 2001.
24. **Suner S.** Epinephrine Injection in Thumb. <http://www.eMedHome.com>; Photographic Cases and Reviews, May 24, 2002.
25. **Suner S.** Strangulation Injury. <http://www.eMedHome.com>; Photographic Cases and Reviews, March 26, 2004; April 19, 2002.
26. **Suner S.** Lionfish Envenomation. <http://www.eMedHome.com>; Photographic Cases and Reviews, April 5, 2002.
27. **Suner S.** Electrical Injury. <http://www.eMedHome.com>; Photographic Cases and Reviews, February 15, 2002.
28. **Suner S.** Evolving Myocardial Infarction. <http://www.eMedHome.com>; Photographic Cases and Reviews, August 2, 2002.
29. **Suner S.** Tension Pneumothorax.. <http://www.eMedHome.com>; Photographic Cases and Reviews, August 9, 2002.
30. **Suner S.** Cupping. <http://www.eMedHome.com>; Photographic Cases and Reviews, September 6, 2002.
31. **Suner S.** Herpetic Whitlow. <http://www.eMedHome.com>; Photographic Cases and Reviews, January 24, 2003.
32. **Suner S.** Digital Epinephrine Injection. <http://www.eMedHome.com>; Photographic Cases and Reviews, January 31, 2003.

33. **Suner S.** Facial Eccymosis. <http://www.eMedHome.com>; Photographic Cases and Reviews, February 7, 2003.
34. **Suner S.** Herpetic Whitlow. <http://www.eMedHome.com>; Photographic Cases and Reviews, January 24, 2003.
35. **Suner S.** Hand Tumors in the Emergency Department. <http://www.eMedHome.com>; Photographic Cases and Reviews, November 14, 2003.
36. **Suner S.** Open Globe Injury. <http://www.eMedHome.com>; Photographic Cases and Reviews, December 5, 2003.
37. **Suner S.** Emboli after IVDU. <http://www.eMedHome.com>; Photographic Cases and Reviews, December 19, 2003.
38. **Suner S.** Herpetic Whitlow. <http://www.eMedHome.com>; Photographic Cases and Reviews, January 24, 2003.
39. **Suner S.** Depressed Skull Fracture. <http://www.eMedHome.com>; Photographic Cases and Reviews, January 16, 2004.
40. **Suner S.** Blunt Aortic Injury. <http://www.eMedHome.com>; Photographic Cases and Reviews. March 12, 2004.
41. **Suner S.** Dental Space Abscess. <http://www.eMedHome.com>; Photographic Cases and Reviews. May 14, 2004.
42. **Suner S.** Calcaneous Fracture. <http://www.eMedHome.com>; Photographic Cases and Reviews. October 8, 2004.
43. **Suner S.** Felon and Paronychea. <http://www.eMedHome.com>; Photographic Cases and Reviews. October 22, 2004.
44. **Suner S.** Necrotizing Fasciitis. <http://www.eMedHome.com>; Photographic Cases and Reviews. November 5, 2004.
45. **Suner S.** Heat Cramps. <http://www.eMedHome.com>; Photographic Cases and Reviews. December 6, 2004.
46. **Suner S.** Perilunate dislocation and Scaphoid fracture. <http://www.eMedHome.com>; Photographic Cases and Reviews. December 13, 2004.
47. **Suner S.** Interosseous Compartment Syndrome. <http://www.eMedHome.com>; Photographic Cases and Reviews. December 20, 2004.

48. **Suner S.** Osborne J waves in Hypothermia.. <http://www.eMedHome.com>; Photographic Cases and Reviews. January 7, 2005.
49. **Suner S.** Lateral Canthotomy.. <http://www.eMedHome.com>; Photographic Cases and Reviews. January 21, 2005.
50. **Suner S.** Tongue Angioedema.. <http://www.eMedHome.com>; Photographic Cases and Reviews. February 25, 2005.

INVITED PRESENTATIONS

1. Management of Biological Casualties. Hospital Provider Course: Defense Against Weapons of Mass Destruction. March 22 and March 25, 1999, Rhode Island Hospital. A regional conference on weapons of mass destruction.
2. Special Considerations in Mass Casualty Incidents. Hospital Provider Course: Defense Against Weapons of Mass Destruction. March 22 and March 25, 1999, Rhode island Hospital. A regional conference on weapons of mass destruction.
3. Accidental Hypothermia. Department of Internal Medicine. February 3, 1999.
4. Application of the Kendall Cardiovent[®] Device for One-Person CPR in the Intubated Patient in the Field in the Disaster Setting. March 11-16, 1995, Nashville Tennessee National Disaster Medical System National Meeting.
5. Comparison of Two-Person CPR with Bag-Valve-Mask Device (BVM) to One-Person CPR Using the Kendall Cardiovent[®] (KCV[®]) Device in an Intubated CPR Mannequin. 28 May-2 June 1995 Jerusalem, Israel, The Ninth World Congress for Disaster and Emergency Medicine
6. Comparison of Two-Person CPR with Bag-Valve-Mask Device (BVM) to One-Person CPR Using the Kendall Cardiovent[®] (KCV[®]) Device in an Intubated CPR Mannequin. July 29-31 1995, San Diego, California, Eleventh Annual Conference and Scientific Assembly of National Association of Emergency Medical Services Physicians.
7. Emergency Physician-Staffed On-Site Facility at Air Shows Reduces the Number of Patients Transported to Hospitals. March 25-29, 1998, Vancouver, BC, Canada, 7th International Conference on Emergency Medicine.
8. Emergency Physicians Can Safely Evaluate, Treat, and Discharge Patients at On-Site Emergency Facilities at Air Shows. March 25-29, 1998, Vancouver, BC, Canada, 7th International Conference on Emergency Medicine.

9. Myocardial Depression in Rat Hearts Perfused Ex-Vivo with Carbon Monoxide. April 10, 1999, Boston Massachusetts, 3rd Annual New England Regional Society for Academic Emergency Medicine Conference.
10. Case of the EMS system in action: From frozen Pond to Pediatric Intensive Care Unit. February 2, 2000, Brown University, Biology and Community Health 152: Emergency Medical Services: An Anatomy of Critical Performance.
11. Chemical, Nuclear and Biological Emergencies from Weapons of Mass Destruction. May 11, 2000, 10th Annual Peter D. Smith Memorial Trauma Seminar: T2K Contemporary Issues in Trauma, Rhode Island Hospital, Providence, RI.
12. Disaster Medical Assistance Teams: An ideal venue for Emergency Medicine resident out-of-hospital training. National Disaster Medical System 2000 Annual Conference, Catastrophic Care for the Nation. April 29-May3, 2000, Las Vegas, Nevada.
13. The NBC Gravity Games: Disaster Medical Assistance Team integration into medical care for “extreme” sporting events. National Disaster Medical System 2000 Annual Conference, Catastrophic Care for the Nation. April 29-May3, 2000, Las Vegas, Nevada.
14. Disaster Medical Assistance Teams in multi-fatality disaster response: The Egypt Air 990 crash. National Disaster Medical System 2000 Annual Conference, Catastrophic Care for the Nation. April 29-May3, 2000, Las Vegas, Nevada.
15. Design and implementation of a marine medical unit aboard the Smit Pioneer during the United States Public Health Service response to Egypt Air 990 crash. National Disaster Medical System 2000 Annual Conference, Catastrophic Care for the Nation. April 29-May3, 2000, Las Vegas, Nevada.
16. Introduction to NBC (nuclear, biological and chemical weapons of mass destruction). Rhode Island Chapter of American College of Emergency Physicians Ocean View Update: Emergency Medicine 2000 New England Regional Conference, August 9, 2000, Newport Marriott, Newport, Rhode Island.
17. Respirators and Garments. Rhode Island Chapter of American College of Emergency Physicians Ocean View Update: Emergency Medicine 2000 New England Regional Conference, August 9, 2000, Newport Marriott, Newport, Rhode Island.
18. Preparedness for Terrorist Acts Involving Weapons of Mass Destruction: A Panel Discussion. Rhode Island Chapter of American College of Emergency Physicians Ocean View Update: Emergency Medicine 2000 New England Regional Conference, August 9, 2000, Newport Marriott, Newport, Rhode Island.

19. Diving related injuries and hyperbaric medicine. February 7, 2001. Brown University Medical School, Providence, RI.
20. The Emergency Medical System response to 3 simultaneous hypothermic near-drowning victims: A lesson in communication and teamwork. February 7, 2001, Brown University, Biology and Community Health 152: Emergency Medical Services: An Anatomy of Critical Performance.
21. Infectious Disasters: from the 1918 Influenza pandemic to biological terrorism. February 13, 2001. Department of Medicine Grand Rounds, Brown University, Rhode Island Hospital, Providence, RI.
22. Accidental Hypothermia. National Disaster Medical System, Response Team Training. Web based lecture series. <http://ndms.umbc.edu/>.
23. Hyperthermia. National Disaster Medical System, Response Team Training. Web based lecture series. <http://ndms.umbc.edu/>.
24. From Phlebotomy to Pixel: Use of Digital Imaging of Conjunctiva to Predict Hemoglobin Concentration. 5th Annual New England Regional Society of Academic Emergency Medicine Conference. Hoagland Pincus Conference Center, Shrewsbury, Massachusetts, April 6, 2001.
25. TOPOFF 2000 exercise: The National Medical Response Team and Disaster Medical Assistance Team Interface. Presented at the National Disaster Medical System annual meeting in Dallas, Texas, April 25, 2001.
26. Environmental Emergencies. Department of Internal Medicine, Brown University, Rhode Island Hospital. June 29, 2001.
27. Multiple Emergency Department Case scenarios Presented Through Hi Fidelity Medical Simulation Mannequin. Ocean View Update: Emergency Medicine 2001 New England Conference, Newport Marriott, Newport, Rhode Island, August 10, 2001.
28. After the Initial Trauma: RI-1 DMAT Response to the WTC Terrorist Attack. Rhode Island Hospital Staff Association. George Auditorium, Rhode Island Hospital, Providence, Rhode Island, October 4, 2001.
29. Rhode Island Hospital Response to the WTC Terrorist Incident: RI-1 DMAT at "Ground Zero". Board of Directors, Lifespan. Terrace room, Cooperative Care Building, Providence, Rhode Island, October 9, 2001.
30. In the Aftermath: Caring and Community. Panel Discussion and Open Forum. Affinity Group Program, Brown Medical School, Starr Auditorium, MacMillan Building, Providence, Rhode Island, October 25, 2001.

31. Ground Zero Recovery and Disaster Medical Assistance Teams. New England Disaster Recovery Information Exchange (NEDRIX) Annual Conference, Hyatt Hotel, Newport, Rhode Island, October 30, 2001.
32. World Trade Center Attack: Disaster Preparedness and Response. Rhode Island Department of Health, Providence, Rhode Island, November 2, 2001.
33. Rescuing the Rescuers at Ground Zero. Presentation for the Program in Liberal Medical Education Lecture Series. The Faculty Club, Brown University, Providence, Rhode Island, November 7, 2001.
34. How to Manage Large Scale Disasters: Lessons Learned from Ground Zero. Rhode Island Disaster Medical Assistance Team Lecture Series. Garry House, Rhode Island Hospital, Providence, Rhode Island, November 8, 2001.
35. The Problem: Nuclear, Biological, Chemical Attack: The New York City Experience. Weapons of Terrorism Course, The International Trauma, Anesthesia and Critical Care Society, Key West, Florida, November 14, 2001.
36. Management of Biological Casualties. Weapons of Terrorism Course, The International Trauma, Anesthesia and Critical Care Society, Key West, Florida, November 14, 2001.
37. Special Considerations in Mass Casualty Incidents. Weapons of Terrorism Course, The International Trauma, Anesthesia and Critical Care Society, Key West, Florida, November 14, 2001.
38. Mass Trauma During Disasters: The WTC Experience. Case Conference Presentation. The Department of Psychiatry, Rhode Island Hospital, Providence, Rhode Island. December 4, 2001.
39. World Trade Center Attack: Lessons Learned for Hospital Disaster Preparedness. Grand Rounds, The Westerly Hospital, Westerly, Rhode Island, December 28, 2001.
40. Carbon Monoxide Toxicity. Critical Care Lecture Series for Pulmonary and Critical Care Fellows, Brown Medical School, Rhode Island Hospital, March 4, 2002.
42. Resident Participation in Disaster Medical Assistance Teams. National Disaster Medical System Annual Meeting, Atlanta, Georgia, March 12-16, 2002.
42. Injuries Rescue Workers During the World Trade Center Rescue and Recovery Operation in 2001. National Disaster Medical System Annual Meeting, Atlanta, Georgia, March 12-16, 2002.

43. Managing the Effects of Mass Destruction. 12th Annual Peter D. Smith Memorial Trauma Seminar: "9-11" Remembrance Recognition and Readiness. George Auditorium, Rhode Island Hospital, Providence Rhode Island, May 9, 2002.
44. Managing the Effects of Mass Destruction: Lessons Learned from WTC and other Disasters. Homeland Security and the Radiation Safety Professional. New England Chapter of the Health Physics Society Annual Meeting, Westford Regency Inn and Conference Center, Westford, MA, June 6, 2002.
45. The Problem: Biological and Chemical Attack. International Trauma Care and International Trauma Anesthesia and Critical Care Society, Weapons of Terrorism Seminar. Anaheim, California. June 22-23, 2002.
46. Management of Nuclear Injuries. International Trauma Care and International Trauma Anesthesia and Critical Care Society, Weapons of Terrorism Seminar. Anaheim, California. June 22-23, 2002.
47. Management of Biological Casualties. International Trauma Care and International Trauma Anesthesia and Critical Care Society, Weapons of Terrorism Seminar. Anaheim, California. June 22-23, 2002.
48. Management of Chemical Injuries. International Trauma Care and International Trauma Anesthesia and Critical Care Society, Weapons of Terrorism Seminar. Anaheim, California. June 22-23, 2002.
49. Special Considerations in Mass Casualty Incidents. International Trauma Care and International Trauma Anesthesia and Critical Care Society, Weapons of Terrorism Seminar. Anaheim, California. June 22-23, 2002.
50. Management of Blast Injuries. International Trauma Care and International Trauma Anesthesia and Critical Care Society, Weapons of Terrorism Seminar. Anaheim, California. June 22-23, 2002.
51. Management of Crush Injuries. International Trauma Care and International Trauma Anesthesia and Critical Care Society, Weapons of Terrorism Seminar. Anaheim, California. June 22-23, 2002.
52. Hospital Preparedness for Disasters involving Weapons of Terror. International Trauma Care and International Trauma Anesthesia and Critical Care Society, Weapons of Terrorism Seminar. Anaheim, California. June 22-23, 2002.
53. Personal Protective Gear (PPE): Biological and Chemical Attack. International Trauma Care and International Trauma Anesthesia and Critical Care Society, Weapons of Terrorism Seminar. Anaheim, California. June 22-23, 2002.
54. Organized and conducted the Weapons of Terror portion of the 12th Annual New England Conference sponsored by the Rhode Island Chapter of the American College of Emergency Physicians. Newport, Rhode Island, August 8 and 9 2002.

55. Introduction to Weapons of Terror, 12th Annual New England Conference sponsored by the Rhode Island Chapter of the American College of Emergency Physicians. Newport, Rhode Island, August 8, 2002.
56. Immediate Response to Terror, 12th Annual New England Conference sponsored by the Rhode Island Chapter of the American College of Emergency Physicians. Newport, Rhode Island, August 9, 2002.
57. Grand Rounds: Medical response to Weapons of Terror in the United States. Marmara University, School of Medicine, Istanbul Turkey; September 28, 2002
58. Grand Rounds: Medical Preparedness for Terrorism in the United States. Dokuz Eylul University, School of Medicine, Izmir, Turkey; November 5, 2002.
59. Emergency Medicine Pearls from Case Files of the Rhode Island Hospital Department of Emergency Medicine. Dokuz Eylul University, School of Medicine, Izmir, Turkey; November 5, 2002.
60. Carbon Monoxide Toxicity. Dokuz Eylul University, School of Medicine, Izmir, Turkey; November 5, 2002.
61. Carbon Monoxide Toxicity. Critical Care Lecture Series for Pulmonary and Critical Care Fellows, Brown Medical School, Rhode Island Hospital, March 6, 2003.
62. Surgical Implantation Technique for the Bionic 100-electrode Array. Sponsored by Cyberkinetics Inc. Bio-Med building; Brown Medical School August 22, 2003, Providence RI.
63. Visual Diagnosis in Emergency Medicine. Emergency Medicine Training Course. Royal College of Surgeons in Ireland. September 12, 2003, Dublin, Ireland.
64. Medical Management of Nuclear and Radiological Disasters. Disaster Management Training Course. Royal College of Surgeons in Ireland. September 16, 2003, Dublin, Ireland.
65. Signal Stability of Single Units and Long Term Recording from Monolithic, Silicon-based Microelectrodes Implanted in Primary Motor Cortex of Non-human Primates. Developments in Neural Probe Technologies and Applications. A Society for Neuroscience Symposium. Sponsored by the Center for Neural Communication Technology a NIH/NIBIB Resource Center. November 7, 2003, The Sheraton, New Orleans, LA.
66. The Bionic Microelectrode Array Surgical Implantation Procedure. Seminar Organized by Cyberkinetics Inc. Society for Neuroscience. November 11, 2003. The Sheraton, New Orleans, LA.

67. Bionic Monolithic Construction 100-electrode Array and Connector Implantation Technique for Non-human Primates. January 21, 2004, Baystate Medical Center, Springfield, MA
68. The effect of PPE on Health Care Provider Performance. RIDI Debriefing. George Auditorium, Rhode Island Hospital. Providence RI. January 22, 2004.
69. Advances in the Treatment of Carbon Monoxide Toxicity. Critical Care Lecture Series for Pulmonary and Critical Care Fellows, Brown Medical School, Rhode Island Hospital, February 2, 2004.
70. Organization of Emergency Medical Services During Disasters. First Turkish National Disaster Medicine Congress. June 26-30, 2004. Antalya, Turkey.
71. Construction of a Field Hospital During the September 11, 2001 World Trade Center Terrorist Attacks. First Turkish National Disaster Medicine Congress. June 26-30, 2004. Antalya, Turkey.
72. The Station Nightclub Fire and Disaster Preparedness in Rhode Island. First Turkish National Disaster Medicine Congress. June 26-30, 2004. Antalya, Turkey.
73. Effect of Personal Protective Equipment (PPE) on Rapid Patient Assessment and Treatment During a Simulated Weapons of Mass Destruction (WMD) Attack. First Turkish National Disaster Medicine Congress. June 26-30, 2004. Antalya, Turkey.
74. Scene Entry and Triage Behavior of First Responders. First Turkish National Disaster Medicine Congress. June 26-30, 2004. Antalya, Turkey.
75. Creating a MESS: High Fidelity Simulation in Disaster Research and Training Programs. First Turkish National Disaster Medicine Congress. June 26-30, 2004. Antalya, Turkey.
76. Illness and Injury Among Rescue Personnel during the 9-11-2001 World Trade Center Terrorist Attack. Symposium #21: American Society of Tropical Medicine and Hygiene 53rd Annual Meeting. November 8, 2004. Miami, Florida.
77. From 9/11 to the Station Fire—EMS in Action. Keynote Lecture, 2005 Brown University Emergency Medical Services Week. April 6, 2005, Bio-Medical Center, Brown University, Providence, RI.
78. Reproducible Medical Simulation Exercises to Generate Valid Data. National Disaster Medical System Annual Conference: Catastrophic Care for The Nation. May 3, 2005, Orlando, Florida.

79. Effect of PPE on Rapid Patient Assessment and Treatment During a Simulated Chemical WMD Attack. National Disaster Medical System Annual Conference: Catastrophic Care for The Nation. May 3, 2005, Orlando, Florida.
80. Creating A MESS for Medical Error Reduction and Enhanced Medical Education. National Disaster Medical System Annual Conference: Catastrophic Care for The Nation. May 3, 2005, Orlando, Florida.
81. Triage Behavior of First Responders. Panel Discussion. National Disaster Medical System Annual Conference: Catastrophic Care for The Nation. May 3, 2005, Orlando, Florida.
82. Do First Responders Enter Unsafe Environments? Panel Discussion. National Disaster Medical System Annual Conference: Catastrophic Care for The Nation. May 3, 2005, Orlando, Florida.
83. Heat Related Illness. Rhode Island Disaster Medical Assistance Team training program. June 9, 2005, George Auditorium, Rhode Island Hospital, Providence, RI.
84. Effect of Personal Protective Equipment (PPE) on Rapid Patient Assessment and Treatment During a Simulated Chemical Weapons of Mass Destruction (WMD) Attack. National Environmental Health Association 69th Annual Educational Conference, June 26-29, 2005, Providence, RI.
85. Emergency Department Approach to Bioterrorism. Center for Biodefense and Emerging Pathogens, Brown Medical School and Rhode Island Hospital Medical Simulation Center training program for emergency physicians. July 6, 2005, Providence RI.
86. Emergency Department Approach to Bioterrorism. Center for Biodefense and Emerging pathogens, Brown Medical School and Rhode Island Hospital Medical Simulation Center training program for emergency physicians. July 7, 2005, Providence RI.
87. Crush Syndrome. Grand Rounds, Saint Luke's Hospital, New Bedford, MA, October 29, 2005.
88. Disaster Medical Assistance Team (DMAT), What it is and how it works. The 19th Kiwanis Pediatric Trauma Management Seminar. George Auditorium, Rhode Island Hospital, November 19, 2005. 75 participants 1 hour.
89. Triage, Treatment and Transport: The role of Rural EMS in a Bioterrorist Incident. Foster, Rhode Island, January 17, 2005. 50 Participants, 1.5 hours.
90. "Dirty Bombs" and Other Terrorist Threats. Grand Rounds, Newport Hospital. Newport, RI. January 20, 2006. 38 Participants, 1 hour.

91. Insertion of engineering concepts to enhance medical disaster preparedness. Brown University Division of Engineering Symposium. Feb 10, 2006
92. Hurricane Katrina. A case Study in Disaster Response. Keynote Lecture. Kenny Research Celebration. Memorial Hospital of Rhode Island. March 3, 2006.
93. The next generation PPE: A study in industrial design National Disaster Medical System annual conference, Reno Nevada, April 26, 2006.
94. Non-invasive, hand-held co-oximeter for emergency department screening for carbon monoxide toxicity. National Disaster Medical System annual conference, Reno Nevada, April 26, 2006.
95. Grand Rounds: Disaster Medical Care in the United States: Hurricane Katrina as a Case Study. Kowloon (Nine Dragons) Hospital, Suzhou, China. June 3, 2006.
96. Grand Rounds: Crush Syndrome after Disasters. Kowloon (Nine Dragons) Hospital, Suzhou, China. June 3, 2006.
97. Reliability of Signals from a Chronically Implanted Multielectrode Silicon-based Array in Non-human Primates. Institute of Neuroscience, Shanghai, China. June 5, 2006.
98. Strategies for Successful Chronic Implantation of the Cyberkinetic Array in Primate Research Subjects. A Seminar. Institute of Neuroscience, Shanghai, China. June 5, 2006.
99. Temporal Characteristics of Signals from a Chronically Implanted Multielectrode Silicon-based Array in Non-human Primates. Neuroscience Institute, Fudan University, Shanghai, China. June 6, 2006.
100. Chronic Implantation Techniques for the Cyberkinetic Array in Primate Research Subjects. A Seminar. Neuroscience Institute, Shanghai, China. June 6, 2006.
101. Defining Temporal Signal Reliability in a Chronically Implanted Multielectrode Silicon-based Array in Non-human Primates. Department of Biomedical Engineering, Zhejiang University, Hangzue, China. June 8, 2006.
102. Neuromotor Prostheses: From Bench to Bedside. Department of Biomedical Engineering, Zhejiang University, Hangzue, China. June 8, 2006.
103. Strategies for Successful Chronic Implantation of the Cyberkinetic Array in Primate Research Subjects. Department of Biomedical Engineering, Zhejiang University, Hangzue, China. June 8, 2006.
104. Non-Invasive Carboxyhemoglobin Monitoring: Carbon Monoxide Toxicity Screening in the Emergency Department. International Disaster Deduction Conference, Davos Switzerland, August 27-September 1, 2006.

105. Carbon Monoxide Poisoning. EMAT Emergency Medicine Congress 2006, Istanbul, Turkey. September 6-9, 2006.
106. Pandemic Influenza and Bird Flu. EMAT Emergency Medicine Congress 2006, Istanbul, Turkey. September 6-9, 2006.
107. Terrorist Threats and Bombings. EMAT Emergency Medicine Congress 2006, Istanbul, Turkey. September 6-9, 2006.
108. Key Points in Preparing Scientific Manuscripts. EMAT Emergency Medicine Congress 2006, Istanbul, Turkey. September 6-9, 2006.
109. Bioterrorism. Trauma: The Team Approach. International Trauma Anesthesia and Critical Care Society. Hilton Head Island, SC, September 28, 2006.
110. Principles of Managing Multiple Patients with Exposure to Chemical Agents. Trauma: The Team Approach. International Trauma Anesthesia and Critical Care Society. Hilton Head Island, SC, September 28, 2006.
111. Management of Mass Casualties from Fires. The Team Approach. International Trauma Anesthesia and Critical Care Society. Hilton Head Island, SC, September 29, 2006.
112. Difficult Airway Management for the Emergency Physician. The Team Approach. International Trauma Anesthesia and Critical Care Society. Hilton Head Island, SC, September 30, 2006.

SCHEDULED PRESENTATIONS

Disaster Management of Hurricane Katrina. Brown Medical School Presentation. 2006

State of the Art in Disaster Medicine. International Symposium on Emergency Medicine, Critical Care and Neurological Emergencies. King Faisal Specialist Hospital and Research Center. Riyadh, Kingdom of Saudi Arabia. November 21-22, 2006.

Non-invasive Carboxyhemoglobin Screening in the Emergency Department. International Symposium on Emergency Medicine, Critical Care and Neurological Emergencies. King Faisal Specialist Hospital and Research Center. Riyadh, Kingdom of Saudi Arabia. November 21-22, 2006.

Quality Indicators in the Emergency Department. International Symposium on Emergency Medicine, Critical Care and Neurological Emergencies. King Faisal Specialist Hospital and Research Center. Riyadh, Kingdom of Saudi Arabia. November 21-22, 2006.

The Next Generation PPE: Industrial Design meets Disaster Medicine. Biennale Internationale Design 2006 Saint-Etienne. November 22-December 3, 2006, Saint-Etienne, France.

GRANTS

1. Co-Investigator. A Multicenter, Randomized, Double-blind Placebo Controlled Trial of Zafirlukast (ACCOLATE) in Subjects Admitted to the Emergency Department with Asthma Exacerbations. \$248,440 20% effort. August 1997-1998. Funded by Zeneca, Inc.
2. Principle Investigator. Disaster Medical Assistance Team Development. Health and Human Services, Office of Emergency Preparedness. \$8,000, January 2000-January 2001.
3. Principle Investigator. Disaster Medical Assistance Team Development. Health and Human Services, Office of Emergency Preparedness. \$10,000, January 2001-January 2002.
4. Principle Investigator. Rhode Island Disaster Initiative- Phase I. Health and Human Services, Office of Emergency Preparedness. Through Chemical and Biological Defense Information Analysis Center (CBIAC) CBIAC Task # 128; PO# 171284 \$393,750, 9-20-2001 through 9-30-2002.
5. Principle Investigator. Disaster Medical Assistance Team Readiness. Health and Human Services, Office of Emergency Preparedness. \$10,000, May 2001- May, 2002.
6. Principle Investigator. Disaster Medical Assistance Team Development. Health and Human Services, Office of Emergency Preparedness. \$10,000, January 2002-January 2003.
7. Principle Investigator. Rhode Island Disaster Initiative Phase 2. Office of Naval Research. Through Chemical and Biological Defense Information Analysis Center (CBIAC) \$1,500,000, August 2002-August 2003.
8. Principle Investigator. Disaster Medical Assistance Team Development. Health and Human Services, Office of Emergency Preparedness. \$125,000, January 2003- January 2004.
9. Principal Investigator: Changes in neuronal activity as a result of injury to nearby cells. Neuroscience Fellowship Award, SAEM \$60,000 July 2003-June 2004.
10. Principle Investigator. Rhode Island Disaster Initiative Phase 3. Office of Naval Research. Through Chemical and Biological Defense Information Analysis Center (CBIAC) \$600,000, February 2004-February 2005.

11. Principle Investigator. Center for Biodefense and Emerging Pathogens. \$20,500, October 1, 2005-August 31, 2006.
12. Principle Investigator. An open-label, dose-ranging evaluation of the safety and efficacy of intranasal hydromorphone hydrochloride in acute trauma subjects: Pain control in disasters. \$79,147, July 2006-February, 2007.

PATENTS

1. **Suner S.** Inventor: Non-Invasive Determination of Blood Components. November 19, 2003
Rhode Island Hospital, A lifespan Partner
Date of Filing 05.04.02, European Patent Office Application Number: 02736548.5-2305-US0210804
Priority: US/05.04.01/ USP 281941
US/04.04.02/ USA 116258

UNIVERSITY TEACHING ROLES

1. Faculty for “skills course” for Brown University School of Medicine: July 25 and 1997;
2. Sponsored Corey Neu, an undergraduate student in Engineering, in the Laboratory for an independent study project developing a novel approach to measure ventilation volume in a CPR mannequin. Rhode island Hospital, Providence, RI, Spring semester 1997.
3. Participated in teaching undergraduate students in the Brown University course BC007 *Cost vs. Care: The Dilemma for American Medicine*, 1997,1998 and 1999.
4. Course Director for a Regional Seminar: Hospital Provider Course: Defense Against Weapons of Mass Destruction. March 22 and March 25, 1999, Rhode Island Hospital, Providence, RI.
5. Faculty for Advanced Cardiac Life Support Course for third year medical students: 12-Lead ECG, Myocardial Infarction and Stroke. Brown Medical School, Providence, RI, July, 1999; July, 2000, Airway management techniques and oral intubation, Brown Medical School, June 25, 2001. (~60 students)
6. Course Director for BioMed 348: Nuclear, Biological, Chemical Weapons of Mass Destruction: Domestic Preparedness Training. May 2-9, 2000 at Rhode Island Hospital.
7. Course Director for a Regional Seminar: Hospital Provider Course: Defense Against Weapons of Mass Destruction. June 1, 2000, Newport Hospital, Newport RI.

8. Lectures for Biology and Community Health 152 Emergency Medical Services: An Anatomy of Critical Performance. Case of the EMS system in action: From frozen Pond to Pediatric Intensive Care Unit. February 2, 2000. (~70 students)
9. Junior Year Affinity Program Faculty Leader: International Medicine and Health Care. 2001-2004. (~8 students)
10. BI540: The Community Health Clerkship, Disaster Medicine Section Director, 2001-current (Zachary Litvack, Jason Bonomo, Christina Pacheco, Brian Kwong, James Suh, Robert Dyer, Edward Jung).
11. Summer of 2001 Selective Program for Tufts University School of Medicine: Introduction to Emergency Medicine (Hanna Ahmed M04).
12. Directed and taught BioMed 348: Nuclear, Biological, Chemical Weapons of Mass Destruction: Domestic Preparedness Training. May 1-9, 2001, Rhode Island Hospital, Providence, Rhode Island.
13. Course Director for a Regional Seminar: Disaster Preparedness and Weapons of Terrorism. November 23, 2001, Airport Radisson, Warwick, Rhode Island.
14. Suturing Techniques and Practicum for third year medical students, Brown Medical School, Veterans Administration Hospital, Providence, RI, June 29, 2001. (~60 students)
15. BI540: The Community Health Clerkship Profiles in Community Health seminar on Thursday, May 9, 2002.
16. Directed and taught BioMed 348: Nuclear, Biological, Chemical Weapons of Mass Destruction: Domestic Preparedness Training. May 6-10, 2002, Rhode Island Hospital, Providence, Rhode Island.
17. Lectures for Critical Care Fellowship Program (~12 students):

1-18-2002	Carbon Monoxide Toxicity
2-4- 2003	Carbon Monoxide Intoxication
2-2-2004	Advances in the Treatment of CO Toxicity
18. Shadow Program: 2002 (Susanne Kumbers, Stacey DiPalma)
19. Sponsored Joshua Pasteur for a summer internship in disaster medicine, June-September, 2002
20. Lectures for Biology and Community Health 152 Emergency Medical Services: An Anatomy of Critical Performance. Case of the EMS system in action: From frozen Pond to Pediatric Intensive Care Unit. February 18, 2004. (~60 students)
21. Lectures for Biology and Community Health 152 Emergency Medical Services: An

Anatomy of Critical Performance. Case of the EMS system in action: The Nightclub Fire: Implications for a Revised Mass Casualty Plan. February 25, 2004.

22. Introduction to High Fidelity Simulation. “So you want to be a Doctor” Brown University Summer Program for High School students. Approximately 20 students July, 13, 2004.
23. Simulation-based Training for Emergency Preparedness (STEP) regional seminar. Organized and conducted for Landmark Medical Center, July 14, 2004, The Rhode Island Hospital Medical Simulation Center. Lectures include:
 - i- Introduction to weapons of destruction
 - ii- Bomb blast and burns
 - iii- Bioterrorism
 - iv- Chemical agents
 - v- Personal protective equipment
24. Simulation-based Training for Emergency Preparedness (STEP) regional seminar. Organized and conducted for Saint Josephs Health System, July 28, 2004, The Rhode Island Hospital Medical Simulation Center. Lectures include:
 - i- Introduction to weapons of destruction
 - ii- Bomb blast and burns
 - iii- Bioterrorism
 - iv- Chemical agents
 - v- Personal protective equipment
25. Simulation-based Training for Emergency Preparedness (STEP) regional seminar. Organized and conducted for Women and Infants’ Hospital, August 4, 2004, The Rhode Island Hospital Medical Simulation Center. Lectures include:
 - i- Introduction to weapons of destruction
 - ii- Bomb blast and burns
 - iii- Bioterrorism
 - iv- Chemical agents
 - v- Personal protective equipment
26. Simulation-based Training for Emergency Preparedness (STEP) regional seminar. Organized and conducted for The Miriam Hospital, August 11, 2004, The Rhode Island Hospital Medical Simulation Center. Lectures include:
 - i- Introduction to weapons of destruction
 - ii- Bomb blast and burns
 - iii- Bioterrorism
 - iv- Chemical agents
 - v- Personal protective equipment
27. BMS-1 Professional Development Program
Patient Safety and Medical Simulation 60 (students)
Faculty for new program to introduce students to medical error management
January 11, 2005, Medical Simulation Center, Providence, Rhode Island.

28. Eleventh Annual Stanley D. Simon, MD, Lecture and Forum. Aaron Friedman, MD, "Are All Physicians Effective Leaders?" Role: discussion facilitator. February 2, 2005, Brown University, Providence Rhode Island.

29. Simulation-based Training for Emergency Preparedness (STEP) regional seminar. Organized and conducted for The Miriam Hospital, April 6, 2005, The Rhode Island Hospital Medical Simulation Center. Lectures include:
 - i- Introduction to weapons of destruction
 - ii- Bomb blast and burns
 - iii- Bioterrorism
 - iv- Chemical agents
 - v- Personal protective equipment

30. ALANA Mentoring Program: 2005-present (Yimo Lin).

31. Collaborations in Biomedical Engineering. Supporting Faculty. November 9, 2005 Providence, RI

32. Simulation-based Training for Emergency Preparedness (STEP) regional seminar. Organized and conducted for Memorial Hospital, August 17, 2005, The Rhode Island Hospital Medical Simulation Center. Lectures include:
 - i- Introduction to weapons of destruction
 - ii- Bomb blast and burns
 - iii- Bioterrorism
 - iv- Chemical agents
 - v- Personal protective equipment

33. Simulation-based Training for Emergency Preparedness (STEP) regional seminar. Organized and conducted for Roger Williams Hospital, August 31, 2005, The Rhode Island Hospital Medical Simulation Center. Lectures include:
 - i- Introduction to weapons of destruction
 - ii- Bomb blast and burns
 - iii- Bioterrorism
 - iv- Chemical agents
 - v- Personal protective equipment

34. Simulation-based Training for Emergency Preparedness (STEP) regional seminar. Organized and conducted for South County Hospital, September 7, 2005, The Rhode Island Hospital Medical Simulation Center. Lectures include:
 - i- Introduction to weapons of destruction
 - ii- Bomb blast and burns
 - iii- Bioterrorism
 - iv- Chemical agents
 - v- Personal protective equipment

35. Simulation-based Training for Emergency Preparedness (STEP) regional seminar. Organized and conducted for Westerly Hospital, October 12, 2004, The Rhode Island Hospital Medical Simulation Center. Lectures include:
 - i- Introduction to weapons of destruction
 - ii- Bomb blast and burns
 - iii- Bioterrorism
 - iv- Chemical agents
 - v- Personal protective equipment
36. Supporting Faculty for a pilot Brown-RISD double credit course: Critical Design: from disaster to daily life. Brown Engineering + RISD Industrial Design :: studio. Semester 1, 2005-2006.
37. Simulation-based Training for Emergency Preparedness (STEP) regional seminar. Organized and conducted for Roger Williams Hospital, November 23, 2005, The Rhode Island Hospital Medical Simulation Center. Lectures include:
 - i- Introduction to weapons of destruction
 - ii- Bomb blast and burns
 - iii- Bioterrorism
 - iv- Chemical agents
 - v- Personal protective equipment
38. Sponsor for Independent Study project for Emily Clarke-Pearson BMS-III, Medical Care of Evacuees from New Orleans in a special needs clinic in Houston Texas. October, 2005.
39. "Focus on the Future": Careers in emergency medicine. Panel discussion. February 1, 2006, ~50 participants.
40. Supporting Faculty for Brown-RISD Industrial design double credit course, focusing on medical devices. Brown Engineering + RISD Industrial Design studio. Semester II, 2005-2006.
41. Faculty Advisor and Mentor for Engineering Graduate Student John McMurdy for development of non-invasive hemoglobin monitoring system (2004-present). Winner of the National Collegiate Inventors and Innovators Alliance, second-place prize for developing AnemiaCAM May, 2006.

HOSPITAL TEACHING ROLES

1. Organization and supervision of and responsibility for training faculty for Advanced and Surgical Airway Tutorial utilizing anesthetized swine for residents and fellows in Emergency Medicine
2. Emergency Medicine Oral Board Examination Training Instructor: 1998, 2000

3. Course Director for: A Seminar for Health Care Providers: Nuclear, Biological and Chemical Weapons of Mass Destruction. Airport Radisson Hotel, Warwick, Rhode Island, November 21, 2001.

4. Lectures for Brown University/Rhode Island Hospital Residence Program in Emergency Medicine (48 residents):

Trauma: Evaluation of the impaired patient

Immunology: Autoimmune diseases

Skin and Soft Tissue Infections

Disaster Medicine and DMAT's

Field and Hospital Triage

Allergic Reactions and Anaphylaxis

Hyperbaric Oxygen Treatment

Aeromedical Transport

Electrical and Lightning Injuries

Terrorism- A Challenge in Disaster Preparedness

Introduction to Weapons of Mass Destruction Preparedness

Biological Agents as Weapons of Mass Destruction

An Introduction to Organized Response to Disaster

Skin and Soft Tissue Infections

Shock

Back Pain

An Introduction to Disaster Medical Assistance Teams

Visual Cases from the Rhode Island Hospital Emergency Department (June 27, 2001)

Federal Response to Large Disasters: WTC 9-11-2001 (October 22, 2001)

Injuries Among Workers at a Large Disaster Site (April 22, 2002)

Multielectrode single unit recording from monkey motor cortex (April 22, 2002)

An Introduction to Disaster Medicine (July 3, 2002)

Dengue Fever (Jan. 2003)

"To see is to Believe" Case Studies in Emergency Medicine (December 19, 2004)

Preparedness for the next disaster: Admonitions from 1918 (January 17, 2005)

Hospital Emergency Response Team (November 14, 2005)

Crush Syndrome Management (November 14, 2005)

Emergency Department Management of Carbon Monoxide Toxicity (September 20, 2006)

5. Faculty for ATLS Courses (~30 students per class):

6/ 17-18, 1996 Pediatric Trauma, Trauma in Pregnancy lectures

7/ 15-16, 1996 Injury due to Burns and Cold lecture, Spine and Thoracic x-ray practical station

2/ 24-25, 1997 Shock lecture and IV/shock , Spine x-ray, Triage Scenarios practical stations

6/16-17, 1997 Airway Management and Shock lectures and Spine x-ray practical stations

7/28-29, 1997 Thoracic Trauma lecture, Thoracic x-ray and Triage Scenarios practical stations

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| 6/18-19, 1998 | Airway and Ventilatory Management Lecture; Airway and Ventilatory Management practical skills station; Head Trauma Lecture; Head and Neck Trauma Assessment and Management Practical Station; Initial Assessment Skills Stations |
| 7/27-28 1998 | Head Trauma Lecture, Head and Neck Trauma Assessment and Management Practical Station and Initial Assessment Skills Stations |
| 7/13/1999 | Surgical Skills Practicum |
| 10/20/99 | Initial Assessment; Airway and Ventilatory Management; Airway and Ventilatory Management Practical Skills Station |
| 7/12/2000 | Musculoskeletal Trauma Lecture and practical skills station |
| 10/18/00 | Initial Assessment; Airway and Ventilatory Management; Airway and Ventilatory Management Practical Skills Station |
| 6/13/2001 | Initial Assessment; Airway and Ventilatory Management; Airway and Ventilatory Management Practical Skills Station |
| 6/14/2003 | Airway and Ventilatory Management; Airway and Ventilatory Management Practical Skills Station |
| 7/7/2004 | Thoracic Trauma Lecture and Practical Skill Station. |
| 10/14/2004 | Airway and Ventilatory Management; Airway and Ventilatory Management Practical Skills Station |
| 6/15/2005 | Airway and Ventilatory Management; Airway and Ventilatory Management Practical Skills Station |
| 6/13/2006 | Airway and Ventilatory Management; Airway and Ventilatory Management Practical Skills Station |
6. Faculty for PALS Courses:
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|---------------|---------------------------------------------------------------------------------|
| 9/9, 1996 | Cardiac arrest, Dysrhythmias |
| 12/6-7, 1996 | Pediatric Trauma, Vascular access |
| 5/ 9-10, 1997 | Pediatric Trauma |
| 6/10, 1997 | Cardiac arrest/Dysrhythmias |
| 7/16-17, 1997 | Advanced Airway Management and Intubation, Vascular access, Respiratory failure |
| 7/ 29, 1997 | Pediatric Trauma |
| 7/8/98 | Recognition of shock and Respiratory Failure lecture |
| 2/25/1998 | Cardiac Rhythm Disturbances Lecture |
| 1/27/99 | Pediatric Trauma |
| 4/14/99 | Pediatric Trauma |
| 4/30/99 | Cardiac Rhythm Disturbances (Toby Hospital, MA) |
| 8/19/99: | Pediatric Trauma |
| 7/21/2000 | Pediatric Trauma |
7. Faculty for PBTLS Course: Burn Care

8. Faculty for Paramedic Continuing Medical Education Programs:
 - 6/28/98 Pre-Hospital Burn Care
 - 7/10/99 Hyperbaric Oxygen Therapy
 - 7/10/99 Diving Related Injuries and Illness
 - 10/26/99 Biological Agents as Weapons of Mass Destruction

9. Medical Director for emergency medical technician training programs (East Bay Medical Educators):
 - 2003 EMT-B Program (Edward Jernigan NREMT-P, IC)
 - 2003 EMT-B Refresher Program (Edward Jernigan NREMT-P, IC)
 - 2003 EMT-C Refresher Program (Edward Jernigan NREMT-P, IC)
 - 2003 EMT-P Refresher Program (Edward Jernigan NREMT-P, IC)
 - 2004 EMT-B Program (Edward Jernigan NREMT-P, IC)
 - 2004 EMT-B Refresher Program (Edward Jernigan NREMT-P, IC)
 - 2004 EMT-C Refresher Program (Edward Jernigan NREMT-P, IC)
 - 2004 EMT-P Refresher Program (Edward Jernigan NREMT-P, IC)
 - 2005 EMT-P Program (Edward Jernigan NREMT-P, IC)

10. Disaster and Event Medicine Clinical Elective Director for:
 - John Jardine MD
 - Scott King MD
 - Kyle McClaine MD
 - David Marcozzi MD
 - David Dreitlein MD
 - Katherine Pryde MD
 - Peter Graves MD
 - Kavita Babu MD
 - Scott Durgin, MD

11. Research Elective Director for:
 - David Marcozzi MD Male GU Conditions. 1999-2001.
Diaphragmatic rupture in blunt trauma: A photographic case study.
Carbon Monoxide mass-poisoning. A Case series. 2001.
 - David Dreitlein MD Male GU Trauma. 1999-2001.
Out-of –hospital wound care. 2002-
Injuries to rescue workers during the World Trade Center Rescue and Recovery Operation in New York City.
 - Kevin Ernsting MD Predicting serum hemoglobin using digital images of conjunctiva. 1999-2001
 - Jeffrey Lubin MD Cricoid pressure in RSI: Current practice. 2000-2002
 - Jeffrey Zack MD Hyperthermia: An internet based lecture presentation for the National Disaster Medical System. 2001.

- Katherine Pryde MD The NMRT-DMAT interface in WMD incidents. 2001.
- Kavita Babu MD Resident physician involvement in Disaster Medical Assistance Teams. 2002.
- Scott Durgin MD International Disaster Medicine (Chuuk, FSM), 2003.
- Craig Sisson, MD Injuries among workers during the search, rescue and recovery phases of the World Trade Center 9-11-2001 response. 2005-current.
12. Faculty Advisor for:
 Scott King, MD, 2000, Rhode Island Hospital and Brown University Residency Program in Emergency Medicine.
- Frantz Gibbs, MD, 2001, Rhode Island Hospital and Brown University Residency Program in Emergency Medicine.
13. Faculty for Simulation Enhanced Advanced Cardiac Life Support (ACLS) for Lifespan Residents (67 students). Acute Coronary Syndrome and Cerebovascular Accident; Simulation enhanced Ventricular tachycardia, myocardial infarction scenario. June 21-22, 2005.
14. Research Advisor for Kerlan Chee, MD. Non-invasive carboxyhemoglobin screening in the emergency department: establishing baseline values for the population. 2005-2006. (Best Presentation Award, New England Regional Society of Emergency Medicine Conference, Shrewsbury, MA, April 2006).
15. Faculty for Simulation Enhanced Advanced Cardiac Life Support (ACLS) for Lifespan Residents (90 students). Acute Coronary Syndrome and Cerebovascular Accident; Simulation enhanced Ventricular tachycardia, myocardial infarction scenario. June 19-20, 2006.