

Michael John Matteucci, MD FAAEM

Commander, Medical Corps, United States Navy

Work:

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CURRENT POSITIONS

Naval Medical Center San Diego
Director, Emergency Medicine Residency Program
Chairman, Institutional Animal Use and Care Committee
Member, Pharmacy & Therapeutics Committee
Uniformed Services University of the Health Sciences
Assistant Professor, Department of Military and Emergency Medicine
University of California San Diego Medical Center
Medical Toxicologist, Division of Medical Toxicology
Voluntary Assistant Clinical Professor, Department of Medicine, UCSD School of Medicine
Faculty, AAEM Oral Board Review Course

MEDICAL LICENSE

California: License No. A64549 Expires 31 Dec 2011

CERTIFICATIONS

American Board of Emergency Medicine Expires 31 Dec 2013
Medical Toxicology, ABEM Expires 31 Dec 2018
BLS Expires Jan 2012
PALS Expires Feb 2012
ACLS Expires Mar 2012
ATLS Expires Jan 2014

EDUCATION

2004-2006 University of California, San Diego Medical Center
• *Medical Toxicology Fellowship*
1999-2002 Naval Medical Center San Diego, California
• *Emergency Medicine Residency*
• *Academic Chief Resident*
• *Chairman, House Staff Council*
1996-1997 Naval Operational Medicine Institute, Pensacola, Florida
• *Naval Flight Surgery*
1995-1996 Naval Medical Center San Diego, California
• *Transitional Internship*
1991-1995 Chicago Medical School
North Chicago, Illinois
• *M.D., June 1995*
1981-1985 University of California at Davis; College of Letters and Science
• *B.S., Biological Sciences, September 1985*

AWARDS & HONORS

2010	Naval Medical Center San Diego Associate Master Clinician
2007	AAEM Service Award
2004	Naval Medical Center Portsmouth, Physician of the Quarter
2002	Naval Medical Center San Diego Emergency Residency Excellence in Research Award
2002	American Academy of Emergency Medicine and Journal of Emergency Medicine Resident Research Competition, 2 nd Place
1995	The Chicago Medical School Alumni Association Scholastic Achievement Award
1995	The Chicago Medical School Dean's Award
1995	The Chicago Medical School: Class standing: 1/176
1993-1995	Alpha Omega Alpha Honor Medical Society, Delta Chapter, Illinois • <i>Chapter President, 1994-1995</i>
1992-1993	Pathology Honors Program, The Chicago Medical School
1992	McGraw-Hill Book Award for outstanding academic performance from a first year medical student
1991-1995	Naval Health Professions Scholarship recipient
1981-1985	Dean's List, University of California at Davis

PROFESSIONAL ASSOCIATIONS

Alpha Omega Alpha Honor Medical Society
American Academy of Emergency Medicine ~ Fellow
American College of Medical Toxicology
Society of Academic Emergency Medicine

RESEARCH APPOINTMENTS

1989-1991	<i>Staff Research Associate II</i> Department of Surgery University of California, Davis Medical Center Sacramento, California
1985-1989	<i>Neurobiologist</i> SRI International Menlo Park, California

MILITARY EXPERIENCE

2009	<i>Officer In Charge</i> Shock Trauma Platoon 2 Deployed, Afghanistan, Operation Enduring Freedom, May - November
2009	<i>Emergency Medicine Instructor</i> Naval Trauma Training Center Los Angeles County Hospital+University of Southern California
2004-Present	<i>Emergency Medicine Residency Program Director (2010-)</i> <i>Acting Chairman (2007-2009)</i> <i>Senior Medical Officer (2007)</i> <i>Assistant Program Director (2004-2010)</i> <i>Research Director (2006-10)</i> <i>Core Faculty & Staff Physician</i> Emergency Medicine Department Naval Medical Center San Diego
2002-2004	<i>Staff Physician, Core Faculty, & Research Director</i> Emergency Medicine Department Naval Medical Center Portsmouth
2002-2004	<i>Department Head</i> Casualty Receiving Department

Fleet Hospital Portsmouth, Fleet Hospital 15
 Deployed, Kuwait, Operation Iraqi Freedom, March-May 2003
 1997-1999 *Naval Flight Surgeon*
 Marine Aircraft Group 39, HMLA 369, HMT 303
 Deployed, Okinawa, Japan, October 1997-April 1998
 1996 Marine Aircraft Group 46, Det A, HMLA 775
General Medical Officer
 Emergency Department
 Naval Medical Center San Diego

MILITARY AWARDS

2009 Fleet Marine Force Officer Qualified
 2005 Navy Presidential Unit Citation, Fleet Hospital 15
 2005 Global War on Terrorism Service Medal
 2004 Global War on Terrorism Expeditionary Medal
 2009, 04, 03, 1999 Navy & Marine Corps Commendation Medals
 2002 & 1995 Meritorious Unit Citations, Naval Medical Center San Diego
 2001 & 1993 National Defense Service Ribbon
 1999 Pistol Qualification Ribbon
 1998 Fleet Marine Force Ribbon
 1998 Overseas Deployment Ribbon

REVIEWER

Academic Emergency Medicine Journal
 Journal of Emergency Medicine
 Journal of Medical Toxicology

PERSONAL

Married to Lori Nieto-Matteucci, 1986.
 Daughter, Cristiana Matteucci.
 Activities: Camping, hiking, backpacking, bicycling, kayaking, surfing, scuba diving, & reading.

PUBLICATIONS

1. 1989 Rebert CS, Matteucci MJ, Pryor GT. Acute electrophysiologic effects of inhaled toluene on adult male Long-Evans rats. *Pharmacology Biochemistry and Behavior* 1989;33:157-165.
2. 1989 Rebert CS, Matteucci MJ, Pryor GT. Acute effects of inhaled dichloromethane on the EEG and sensory-evoked potentials of Fischer-344 rats. *Pharmacology Biochemistry and Behavior* 1989;34:619-629.
3. 1989 Rebert CS, Matteucci MJ, Pryor GT. Multimodal effects of acute exposure to toluene evidenced by sensory evoked potentials from Fischer-344 rats. *Pharmacology Biochemistry and Behavior* 1989;32:757-768.
4. 1990 Rebert CS, Matteucci MJ, Pryor GT. Acute interactive pharmacologic effects of inhaled toluene and dichloromethane on rat brain physiology. *Pharmacology Biochemistry and Behavior* 1990;36:351-365.
5. 1991 Rebert CS, Hurd RE, Matteucci MJ, De LaPaz R, Enzmann DR. A procedure for using proton magnetic resonance imaging to determine stereotaxic coordinates of the monkey's brain. *J. Neuroscience Methods* 1991;39:109-113.
6. 1991 Rebert CS, Day VL, Matteucci MJ, Pryor GT. Sensory-evoked potentials in rats chronically exposed to trichloroethylene: predominant auditory dysfunction. *Neurotoxicology and Teratology* 1991;13:83-90.
7. 1993 Matteucci MJ, Wisner DH, Gunther RA, Woolley DE. Effects of hypertonic and isotonic fluid infusion on the flash evoked potential in rats: Hemorrhage, resuscitation, and hypernatremia. *J. Trauma* 1993;34:1-7.
8. 1993 Freshman S, Battistella F, Matteucci M, Wisner D. Hypertonic saline (7.5%) vs. mannitol: A comparison for treatment of acute head injuries. *J. Trauma* 1993;35:344-348.

9. 1993 Rebert CS, Diehl JJ, Matteucci MJ. The distribution and detection of brain slow potentials and their relationship to neurologial activities and higher mental functions. In Slow Potential Changes in the Human Brain, W.C. McCallum and S.H. Curry, Editors. Plenum Press, New York.
10. 1997 Anderson JT, Wisner DH, Sullivan PE, Matteucci MJ, Freshman S, Hildreth J, Wagner FC. Initial small-volume hypertonic resuscitation of shock and brain injury: Short and long-term effects. *J. Trauma* 1997;42:592-601.
11. 2003 Matteucci MJ, Roos JA. Ottawa knee rule: A comparison of physician and triage-nurse utilization of a decision rule for knee injury radiography. *J Emerg Med* 2003;24:147-150.
12. 2003 Matteucci MJ, Reed WJ, Tanen DA. Sodium thiosulfate fails to reduce nitrite-induced methemoglobinemia in-vitro. *Acad Emerg Med* 2003;10:299-302.
13. 2005 Tanen DA, Matteucci MJ. Methemoglobinemia. In The Clinical Practice of Emergency Medicine, 4th Ed., Harwood-Nuss, ed. Lippincott Williams & Wilkins, Philadelphia, pp 1606-1609.
14. 2005 Matteucci MJ, Williams SR, Clark RF. Response to Latrodectus-associated compartment syndrome. *Ann Emerg Med* 2005;45:679-680.
15. 2005 Matteucci MJ, Clark RF. Glyphosate poisoning. *J Emerg Med* 2005;29:344-345.
16. 2005 Lowe L, Matteucci MJ, Schneir AB. Aconitine poisoning. *New Engl J Med* 2005;353:1532.
17. 2005 Matteucci MJ. One pill can kill: Assessing the potential for fatal poisonings in children. *Pediatr Ann* 2005;34:964-968.
18. 2006 Matteucci MJ, Habibe M, Robson K, Baldassano AA, Riffenburgh RH, Tanen DA. Effect of oral calcium disodium EDTA on iron absorption in a human model of mild iron overdose. *Clin Toxicol* 2006;44:39-43.
19. 2006 Cook MD, Ly BT, Matteucci MJ, Lall R. Stingray Envenomation. *J Emerg Med* 2006;30:345-347.
20. 2006 Matteucci MJ, Tanen DA. Response to: To Dive or Not to Dive? Use of hyperbaric oxygen therapy to prevent neurologic sequelae in patients acutely poisoned with carbon monoxide. *Ann Emerg Med* 2006;47:504.
21. 2006 Betten DP, Vohra, RB , Cook MD, Matteucci MJ, Clark RF. Antidote use in the critically ill poisoned patient. *J Intens Care Med* 2006;21:255-277.
22. 2006 Simon L, Matteucci MJ, Roos JA, Tanen DA, Riffenburgh RH. The Pittsburgh decision rule: Triage nurse versus physician utilization in the emergency department. *J Emerg Med* 2006;31:247-250.
23. 2006 Matteucci MJ. Isopropyl alcohol. In Poisoning & Drug Overdose, 5th Ed., Olson, Ed., Lange Medical Books/McGraw-Hill, NY, pp 234-235.
24. 2007 Matteucci MJ, Ly BT, Clark RF. Seafood Toxicidromes. In Wilderness Medicine: Management of Wilderness and Environmental Emergencies, 5th Ed., Auerbach, ed., Mosby, St. Louis, pp. 1531-1559.
25. 2007 Matteucci MJ, Auten JD, Crowley B, Combs D, Clark RF. Methamphetamine exposures in children. *Pediatr Emerg Care* 2007;23:638-640.
26. 2007 Matteucci MJ, Hannum J, Riffenburgh RH, Clark RF. Pediatric sex group differences in location of snakebite injuries requiring antivenom therapy. *J Med Toxicol* 2007;3:103-106.
27. 2008 Matteucci MJ, Tanen DA. Levalbuterol poisoning with prolonged QTc and hypokalemia. *J Emerg Med* 2008;35:209.
28. 2008 Tanen DA, Danish DC, Reardon JM, Chisholm CB, Matteucci MJ, Riffenburgh RH. Comparison of oral aspirin versus topical applied methyl salicylate for platelet inhibition. *Ann Pharmacother* 2008;42:1396-1401.
29. 2008 Sweigart AN, Matteucci MJ. Fever, Sacral Pain, and Pregnancy: A Case of an Incarcerated Uterus. *West J Emerg Med* 2008;9:232-234.
30. 2008 Lawrence MW, Matteucci MJ, Carter LI, Shepard MS. Acute multi-vessel coronary stent thrombosis. *J Emerg Med* 2008. Epub Sep 25.
31. 2008 Rudinsky SL, Matteucci MJ. Superior Mesenteric Artery Syndrome. *J Emerg Med* 2008. Epub. Dec 24.
32. 2009 Chhieng N, Matteucci MJ, Clark RF. Peripheral neuropathy in a patient taking ciprofloxacin. *Fed Pract* 2009;1:25-30.
33. 2009 Tanen DA, Matteucci MJ. Methemoglobinemia. In The Clinical Practice of Emergency Medicine, 5th Ed., Harwood-Nuss, ed. Lippincott Williams & Wilkins, Philadelphia, pp. 1485-1487.
34. 2010 Matteucci MJ. The First Casualty. *J Emerg Med* 2010;39:366.
35. In Press Minns A, Matteucci MJ, Ly BT, Clark RF. Seafood Toxicidromes. In Wilderness Medicine: Management of Wilderness and Environmental Emergencies, 6th Ed., Auerbach, ed., Mosby, St. Louis.
36. In Press Matteucci MJ. Isopropyl alcohol. In Poisoning & Drug Overdose, 6th Ed., Olson, Ed., Lange Medical Books/McGraw-Hill, NY.
37. In Press Griffith EA, Fallgatter KC, Tantama SS, Tanen DA, Matteucci MJ. Effect of deferasirox on iron absorption in a human model of iron overdose. *Ann Emerg Med*.

38. Submit Auten JD, Matteucci MJ, Clark RF, Combs D. Methamphetamine exposures in adolescence. *Am J Emerg Med*.
39. Submit Robson K, Tantama S, Matteucci MJ. Calcium chloride and magnesium sulfate are not effective in reversing aconitine-induced ventricular arrhythmias in a wistar rat model. *West J Emerg Med*.
40. Submit Schranz C, Fallgatter K, Sobehart R, Matteucci M. Intern perceptions of bedside teaching in the Emergency Department. *J Emerg Med*.
41. Submit Schranz C, Fallgatter K, Sobehart R, Matteucci M. The effect of bedside presentations on patient satisfaction in the Emergency Department. *J Emerg Med*.

ABSTRACTS

1. 1990 Freshman S, Battistella F, Wisner D, Matteucci M. *Hypertonic saline (7.5%) vs. mannitol: A comparison for treatment of acute head injury*. Thirteenth Annual Conference on Shock, Durango, CO.
2. 1990 Wisner DH, Freshman SP, Battistella FD, Matteucci MJ, Weber CJ. *Cerebral metabolism during resuscitation with hypertonic saline: A report of preliminary results*. Fourth International Symposium on Hypertonic Resuscitation, Germany.
3. 1991 Matteucci MJ, Wisner DH, Woolley DE. *Hypertonic saline versus isotonic fluid resuscitation after hemorrhagic shock in rats: Effects on the flash evoked potential*. Tenth Annual Biomedical Research Symposium, Sacramento, CA.
4. 1991 Matteucci MJ, Wisner DH, Woolley DE. *Hypertonic saline versus lactated Ringer's solution resuscitation after hemorrhagic shock in rats: Effects on the flash evoked potential*. Second International Congress on Shock, Vienna, Austria.
5. 1996 Anderson JT, Wisner DH, Sullivan PE, Matteucci MJ, Freshman S, Hildreth J, Wagner FC. *Initial Small-Volume Hypertonic Resuscitation of Shock and Brain Injury: Short- and Long-term Effects*. The 56th Annual Meeting of the American Association for the Surgery of Trauma, Houston, TX.
6. 2001 Matteucci MJ, Roos JA. *Ottawa knee rule: A comparison of physician and triage-nurse utilization of a decision rule for knee injury radiography*. American College of Emergency Physicians Research Forum, Chicago, IL.
7. 2002 Matteucci MJ, Reed WJ, Tanen DA. *Sodium thiosulfate fails to reduce nitrite-induced methemoglobinemia in-vitro*. AAEM/JEM Resident and Student Research Competition, San Francisco, CA. 2nd place.
8. 2002 Matteucci MJ, Reed WJ, Tanen DA. *Sodium thiosulfate fails to reduce nitrite-induced methemoglobinemia in-vitro*. Society of Academic Emergency Medicine Western Regional Research Forum, San Diego, CA.
9. 2003 Habibe M, Matteucci MJ, Tanen DA, Robson K, Riffenburgh RH, Baldassano AA. *Effect of oral calcium disodium EDTA on iron absorption in a human model of mild iron overdose*. Society of Academic Emergency Medicine Annual Meeting, Boston, MA.
10. 2004 Simon L, Matteucci M, Roos J, Tanen D, Riffenburgh R. *The Pittsburgh decision rule: Triage nurse versus physician utilization in the emergency department*. American Academy of Emergency Medicine Scientific Forum, Miami, FL.
11. 2005 Dabulis S, Matteucci M, Kostic M, Roos J. *Impact of Virginia public health/media announcement on Naval Medical Center Portsmouth during the Influenza outbreak in 2003*. NMCP Research Competition, Portsmouth, VA.
12. 2005 Dabulis S, Matteucci M, Kostic M, Roos J. *Impact of Virginia public health/media announcement on Naval Medical Center Portsmouth during the Influenza outbreak in 2003*. Joint Services Symposium, Emergency Medicine on the River Walk, San Antonio, TX.
13. 2005 Matteucci MJ, Clark RF. *Glyphosate surfactant herbicide-induced acute renal failure*. North American Congress of Clinical Toxicology, Orlando, FL.
14. 2006 Combs D, Matteucci MJ, Auten J, Crowley B, Clark RF. *Methamphetamine exposures in children*. Academic Research Symposium, Naval Medical Center San Diego, CA.
15. 2006 Matteucci MJ, Hannum J, Riffenburgh RH, Clark RF. *Gender differences in snakebite injuries among children and adolescents*. North American Congress of Clinical Toxicology, San Francisco, CA.
16. 2007 Matteucci M, Combs D, Auten J, Crowley B, Clark R. *Adolescent methamphetamine exposures: California 2000-2004*. North American Congress of Clinical Toxicology, New Orleans, LA.
17. 2008 Robson K, Matteucci MJ. *Calcium as an antidote for aconitine cardiac toxicity*. AAEM/JEM Resident and Student Research Competition. Amelia Island, FL. 2nd place.
18. 2008 Robson K, Wojciek A, Matteucci MJ. *Can one hospital quality team make a difference in the Emergency Department pediatric asthma population?* 12th Annual International Conference on Emergency Medicine, San Francisco, CA.

19. 2008 Robson K, Tantama S, Matteucci MJ. *Magnesium as an antidote for aconitine cardiac toxicity*. Society of Academic Emergency Medicine Annual Meeting, Washington, DC.
20. 2008 Tanen D, Danish D, Reardon J, Chisholm C, Matteucci M, Riffenburgh R. *Topically applied methyl salicylate inhibits platelet aggregation*. Society of Academic Emergency Medicine Annual Meeting, Washington, DC.
21. 2009 Griffith EA, Fallgatter KC, Tantama SS, DeMers G, Matteucci MJ, Tanen DA. *Effect of deferasirox on iron absorption in a human model of iron overdose*. AAEM/JEM Resident and Student Research Competition. Phoenix, AZ. 1st place.
22. 2009 Schranz C, Fallgatter K, Sobehart R, Matteucci M. Intern perceptions of bedside teaching in the Emergency Department. Society of Academic Emergency Medicine Annual Meeting, New Orleans, LA.
23. 2009 Schranz C, Fallgatter K, Sobehart R, Matteucci M. The effect of bedside presentations on patient satisfaction in the Emergency Department. Society of Academic Emergency Medicine Annual Meeting, New Orleans, LA.

INVITED PRESENTATIONS

1. 2004 "Toxidromes in Pediatric Patients" Pediatric Grand Rounds, Scripps Mercy Hospital, San Diego, CA.
2. 2005 "Toxicologic Emergencies" UCSD New Graduate Education Program, San Diego, CA.
3. 2005 "Toxicologic Emergencies" UCSD Critical Care Lecture Day, San Diego, CA.
4. 2005 "Pediatric Toxic Syndromes" Pediatric Grand Rounds, Scripps Mercy Hospital, San Diego, CA.
5. 2006 "Seafood Poisoning" Western States Winter Conference on Emergency Medicine, Park City, UT.
6. 2006 "Antiarrhythmics: Function and Toxicity" UCSD Toxicology Lecture Series.
7. 2006 "Highly Toxic Pediatric Poisons" UCSD Toxicology Lecture Series.
8. 2006 "Highly Toxic Pediatric Poisons" Pediatric Grand Rounds, Scripps Mercy Hospital, San Diego, CA.
9. 2006 "Anterior Ischemic Optic Neuropathy" CPC case faculty discussant at SAEM, San Francisco, CA.
10. 2006 "Toxic Plants and Mushrooms" UCSD Skaggs School of Pharmacy and Pharmaceutical Sciences, SPPS 264 Clinical Toxicology Elective Course, La Jolla, CA.
11. 2007 "Seafood Poisoning" UCSD Toxicology Lecture Series.
12. 2007 "Toxic Plants and Mushrooms" UCSD Skaggs School of Pharmacy and Pharmaceutical Sciences, SPPS 264 Clinical Toxicology Elective Course, La Jolla, CA.
13. 2007 "Toxidromes" UCSD Critical Care Summer Symposium, San Diego, CA.
14. 2007 "Mercury" UCSD Toxicology Lecture Series.
15. 2008 "Highly Toxic Pediatric Poisons" LAC+USC Emergency Medicine Grand Rounds, Los Angeles, CA.
16. 2008 "Sports Doping" and "Poisonous Plants and Mushrooms" Western States Winter Conference on Emergency Medicine, Park City, UT.
17. 2008 "Sports Doping" Pediatric Grand Rounds, Scripps Mercy Hospital, San Diego, CA.
18. 2008 "Toxic Assassinations" UCSD Toxicology Lecture Series.
19. 2008 "Mercury" Pediatric Grand Rounds, Scripps Mercy Hospital, San Diego, CA.
20. 2010 "2009 Pediatric Toxicology Literature Review" Pediatric Grand Rounds, Scripps Mercy Hospital, San Diego, CA.
21. 2010 "Blue I Am: Methemoglobinemia" CPC case faculty discussant at SAEM, Phoenix, AZ.
22. 2010 "Highly Toxic Pediatric Poisons" Grand Rounds, Rady Children's Hospital, San Diego, CA.

INTERNET-BASED PRESENTATIONS

1. 2006 "One Pill Can Kill" www.calpoison.org.
2. 2007 "Seafood Poisoning" www.calpoison.org.
3. 2008 "Marine Envenomations" www.calpoison.org.
4. 2009 "Methamphetamine Poisoning" Call US...Newsletter of the CPCS.

ACTIVE RESEARCH

1. Methamphetamine poisonings – Retrospective review of CPCS reports
2. Cardiac effects of methamphetamine poisonings – Retrospective review of hospital data
3. Antidotal treatment of aconitine poisoning
4. Heart rate variability as a prediction of need for psychiatric admission
5. Heart rate variability vs. VAS in abdominal pain
6. Inter-relator reliability in utilization of NEXUS exam criteria

7. Oral antidotal therapy for iron poisoning
8. The effect of bedside presentations on patient satisfaction in the Emergency Department
9. Evaluation of a non-invasive hemoglobin/oximeter monitor in Emergency Department patients
10. Effect of brief alcohol interventions in a military Emergency Department population