

CURRICULUM VITAE

ANDREW T. NATHANSON, MD, FACEP, FAWM

Department of Emergency Medicine
Alpert Medical School of Brown University
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EDUCATION

UNDERGRADUATE

University of Pennsylvania, Philadelphia, PA
Major: Biology Minor: Chemistry
B.A. Degree *Cum Laude* 12/1985

MEDICAL SCHOOL

Tufts University School of Medicine, Boston, MA
M.D. Degree 5/1990

POSTGRADUATE TRAINING

Residency Training Program in Emergency Medicine
L.A.C. - U.S.C. Medical Center, Los Angeles, CA 6/1990 - 6/1994

Brown University Masters in Public Health
1 course: "Applied Research Methods" 1 – 5/2008

Fellowship, Academy of Wilderness Medicine, Wilderness Medical Society 2007-2012

POSTGRADUATE HONORS AND AWARDS

Brown University Teaching Recognition Award for Clinical Faculty at Brown, 5/2001
Wilderness Medical Society Membership Award, 1/2004
Paul Calabresi Faculty Research Award, 2007
Certificate of Appreciation for 15 years of clinical teaching, Alpert Medical School of Brown
University, 5/2009
Dean's Excellence in Teaching Award, Alpert Medical School of Brown University, 6/2011
RI ACEP Physician of the Year, 6/2020

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

California State Medical License 6/1991 - 6/1995
Massachusetts State Medical License 5/1994 - 2004
Rhode Island State Medical License 8/1994 - present
Board Certified American Board of Emergency Medicine 12/1995, Re-certified 2004, 2014
Fellow, American College of Emergency Physicians 12/1997 – present
FEMA Course IS – 00100 6/2007
FEMA Course IS – 00700 6/2007
ATLS Course 10/2011
AWLS (Advanced Wilderness Life Support) Certification 9/2012
Fellowship, Academy of Wilderness Medicine, Wilderness Medical Society 2007 - 2012
RI Certified Spanish Medical Translator 3/2014
DEA X-waiver 3/2019

Marine Licenses

IYT VHF Radio Operator's License 11/2016
IYT International Certificate of Competence (ICC) for operators of pleasure craft 11/2016
ASA Rating: 101, 103, 104 12/2016
US Sailing Coastal Safety-at-Sea Certificate 11/2017
US Sailing International Off-Shore Safety-at-Sea Certificate 12/2019

ACADEMIC APPOINTMENTS

Clinical Professor of Emergency Medicine 7/2014 - present
Clinical Associate Professor of Emergency Medicine 7/2007 - 6/2014
Clinical Assistant Professor of Medicine 7/1999 - 6/2007
Clinical Instructor of Medicine 9/1994 - 6/1999

HOSPITAL APPOINTMENTS

Attending Physician in Emergency Medicine
Rhode Island and The Miriam Hospitals 8/1994 - Present

HOSPITAL COMMITTEES

UEMF Board of Directors UEMF 12/1998 - 12/2003
Board of Directors Brown Emergency Medicine (formerly UEMF) 1/2022 – Present
BEM Compensation Steering Committee 3/2022 - Present

QUALITY ASSURANCE

Director, Quality Assurance, Miriam Hospital Emergency Department 1/1999 – 2018

Oversee Daily X-ray and Laboratory Follow-up

- Chair Bi-monthly Quality Assurance Meeting
- Select quality improvement Measures, develop implementation plans, and corrective strategies
- Provide annual physician specific feedback on quality indicator performance
- Prepare for JCAHO review of Miriam Emergency Department

Miriam Hospital Quality Council 4/2000 – 3/2006

Miriam Hospital Clinical Quality Council 3/2006 – 7/2017

PATIENT SAFETY

Chair, Morbidity and Mortality Conference, RIH Dept of Emergency Medicine 4/1995 - 4/1996

Chair, Morbidity and Mortality Conference TMH Dept of Emergency Medicine 10/1997 - 10/2001

Chair, Morbidity and Mortality Conference TMH Dept of Emergency Medicine 10/2014 – 12/2022

Peer Review Committee, RIH Dept of Emergency Medicine 2/1996 – 2/1998

Miriam Hospital Medication Safety Committee 12/2001 - 11/2003

Miriam Hospital Patient Safety Committee 12/2001 - 1/2004

Merger Committee, Rhode Island and Miriam Hospital Emergency Departments 11/1995 - 9/1996

OTHER APPOINTMENTS

World Sailing (World governing body for sport of sailing) Medical Committee 11/2016 - Present

US Sailing (National governing body for the sport of sailing) – Sports Medicine Committee – 9/2010 - Present

Rhode Island Medical Society, Medical Review Advisory Committee 1/2009 – Present

Blue Cross and Blue Shield of R.I., Provider Credentialing Committee 6/2005 – Present

Editor-in-chief “*Surfing Medicine*” the Journal of the Surfer’s Medical Association 2013 - present

Journal Review:

Journal Reviewer: *Clinical Journal of Sports Medicine* 2014 – Present

Journal Reviewer: *Physical Therapy in Sport* 2013 – Present

Journal Reviewer: *American Journal of Physical Medicine & Rehabilitation* 2011 - Present

Journal Reviewer: *Journal of the Neurologic Sciences* 2010 - Present

Journal Reviewer: *Sports Medicine* 2008 - Present

Journal Reviewer: *Medical Journal of Australia* 2005 - Present

Journal Reviewer: *Wilderness and Environmental Medicine* 2001 – Present

Journal Reviewer: *British Journal of Sports Medicine* 2105 – Present

Journal Reviewer: PLoS 1 2016 – Present

Journal Reviewer: *Trauma* 2020 – Present

Journal Reviewer: *Journal of Science and Medicine in Sport* 2021- Present

Journal Reviewer: *Safety Science* 2022 - Present

MEMBERSHIPS IN SOCIETIES

Emergency Medicine Residents Association 1991 - 1994

American College of Emergency Physicians 1993 - present

Physicians for Social Responsibility 1996 - 2011

International Maritime Health Association 2000 - 2006

Wilderness Medical Society 1994 – present

- C.M.E. Committee 2004 – 2010
- *Wilderness and Environmental Medicine Journal* Editor
- Membership Award 2004
- Co-Chair “Wilderness, Travel, and Marine Medicine” Conference, Ka’anapali Maui, HI November, 2008 & 2010
- Chair “Medicine for Mariners and Safety at Sea” conference, British Virgin Islands, 2015, 2016, 2017, 2019 Agana Croatia, 2017, 2018
- Diploma in Dive and Marine Medicine Committee (DiDMM)
- Surfers Medical Association 1992 – present
- Editor-in-chief “*Surfing Medicine*” the journal of the SMA 2013 – present
- Board of Directors Surfer’s Medical Association 2015 – Present
- Society for Academic Emergency Medicine 2005 – 2021

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Nathanson AT, Reinert SE: "Windsurfing Injuries: Results of a Paper and Internet-Based Survey". *Wilderness and Environmental Medicine* 1999;10:218-225
2. Nathanson AT, Haynes P, Galanis DJ: "Surfing Injuries" *American Journal of Emergency Medicine* 2002;20:155-160
3. Sucov A, Nathanson A, Proano L, McCormick J, Jay G: "Peer Review and Feedback Can Modify Treatment Patterns for Emergency Department Patients With Fractures" *American Journal of Medical Quality* 2005;20(3):138-43
4. Nathanson AT, Tam-Sing K, Dao L, Bird S: "Competitive Surfing Injuries: a Prospective Study of Surfing-Related Injuries Among Competitive Surfers" *American Journal of Sports Medicine* 2007;35:113-117
5. Nathanson AT, Fischer EG, Mello MJ, Baird J: "Injury and Illness at the Newport to Bermuda Race 1998 – 2006" *Wilderness and Environmental Medicine* 2008;19:129-32
6. Nathanson AT, Baird J, Mello MJ: "Sailing Injuries: Results of an Internet-based survey" *Wilderness and Environmental Medicine* 2010;21:291-97
7. Harada S, Goto R, Nathanson AT: Analysis of lifeguard-reported data at Hanauma Bay, HI 2000-2007. *Wilderness and Environmental Medicine* 2011;22:72-76
8. Nathanson AT, Young JM, Young C: "Pre-Participation Medical Evaluation for Adventure and Wilderness Watersports" *Clin J Sport Med* 2015;25:425-431
9. Nathanson AT, Young JM, Young C: "Pre-Participation Medical Evaluation for Adventure and Wilderness Watersports" *Wilderness and Environmental Medicine* Thematic Issue: Care of the Wilderness and Adventure Athlete. December, 2015;26:S55-S62 (Co-published in Clinical Journal of Sports Medicine)
10. Ryan K, Nathanson AT, Baird J, Wheelhouse J: "Injuries and Fatalities on Sailboats in the US 2000 - 2011: an analysis of US Coast Guard data". *Wilderness and Environmental Medicine* 2016;27:10-18
11. Nathanson, A: "Sailing Injuries: A Review of the Literature" *Rhode Island Medical Journal* 2019;102:23-27
12. Nathanson A, Jones W, Showstark M: A Short History of Surfing Medicine. *ASPETAR Sports Medicine Journal*. 2019;8:128-34
13. Nathanson A, "Injury Prevention in the Sport of Surfing: An Update. *Muscle, Ligament, and Tendon Journal* 2020;10:171-8

14. Hayes O, Nathanson AT, Dubuc E, Blanchette M, “Injuries and Health Issues Occurring During Offshore Transoceanic Sailing: A Survey of Recreational Sailors and Cruisers” *Wilderness and Environmental Medicine* 2023;34:153-63

OTHER NON-PEER-REVIEWED PUBLICATIONS

1. Nathanson AT: Cold Weather Sailing and Hypothermia. *East Coast Windsurfing Magazine* 2:20-22, 1989
2. Nathanson, A T, Haynes, P: “Surfer’s Injuries: an Internet-based Survey” *Injury Prevention and Control Newsletter from A.C.E.P.* pp 4-5 vol 5, Number 1 August, 2000
3. Nathanson AT, Haynes P, Tam-Sing K: “Surfing Injuries” *Surfing Medicine* 2000;19:3-5
4. Nathanson, AT: “Surf’s Up: Riding a wave of Popularity”. *Wilderness Medicine Magazine* 2004;21:4-8
5. Nathanson, A.: “Postscript to Competitive Surfing Injuries” *Surfing Medicine* – the on-line Journal of the Surfer’s Medical Association. May, 2008
6. Nathanson, AT: “Case Report: a Nicaraguan Stowaway – *Dermatobium Hominis* infestation” *Surfing Medicine* – the on-line journal of the Surfer’s Medical Association. October, 2013
7. Nathanson, AT: “Beware the Devilfish: Prevention and treatment of Stingray sting. *Surfing Medicine* – the on-line journal of the Surfer’s Medical Association. Issue # 27 December 2014
8. Nathanson, AT: “Sea Ulcers” *Surfing Medicine* – the on-line journal of the Surfer’s Medical Association. Issue #27 December 2014
9. Nathanson, AT “Sea Urchin Injuries, a Review of the Literature”. *Surfing Medicine* – the on-line journal of the Surfer’s Medical Association. Issue #28 August 15, 2015
15. Nathanson, AT “Should you Frika about Zika?”. *Surfing Medicine* – the on-line journal of the Surfer’s Medical Association. Issue # 29 August 9, 2016
16. Nathanson, AT “Case Report: Central Cord Syndrome in a bodyboarder”. *Surfing Medicine* – the on-line journal of the Surfer’s Medical Association. Issue # 29 August 9, 2016
17. Nathanson, AT “Don’t eat the fish: a review of Scombroid, Ciguatera, and Fugu poisonings”. *Surfing Medicine* – the on-line journal of the Surfer’s Medical Association. Issue # 30 September 10, 2017

18. Nathanson, AT “Case Report: Marginal eyelid laceration from a surfboard”. *Surfing Medicine* – the on-line journal of the Surfer’s Medical Association. Issue #30 September 10, 2017
19. Nathanson, AT “Case Report: A surfer ‘found down’ ”. *Surfing Medicine* – the on-line journal of the Surfer’s Medical Association. Issue # 31 August 17, 2018
20. Nathanson A, Jones W, Showstark M: A Short History of Surfing Medicine. *ASPETAR Sports Medicine Journal*. 2019;8:128-34
21. Nathanson, AT “Tourniquets and hemorrhage control”. *Surfing Medicine* – the on-line journal of the Surfer’s Medical Association. Issue # 33 September 19, 2020
22. Nathanson, AT Images in Surfing Medicine “Foiling Injury to the foot” *Surfing Medicine* – the on-line journal of the Surfer’s Medical Association. Issue # 34 September 1, 2021

BOOKS

1. Nathanson AT, Everline C, Renneker M: “*Surf Survival: The surfer’s health handbook*”. New York, NY Skyhorse publishing, 2011, 2nd Edition 2019

BOOK CHAPTERS

1. Nathanson, AT: “Surfing” Chapter in: O. Mei-Dan, M.R. Carmont (eds.), *Adventure and Extreme Sports Injuries* pp 143-72 London, Springer-Verlag, January, 2013

ABSTRACTS

1. Nathanson AT, Haynes P, Tam-Sing K: “Surfing Injuries: Results of an Internet-Based Survey” Presented at New England Regional S.A.E.M. Meeting, Boston, MA 5/11/1999
2. Sucov A, Proano L, Nathanson A: “Oligoanalgesia in Emergency Department Patients can be Corrected” Presented at the 8th International Conference on Emergency Medicine, Boston, MA 5/9/2000
3. Sucov A, Proano L, Nathanson A: “An Educational Program Can Increase the Likelihood of Fracture Patients Receiving Analgesia in the ED” SAEM Annual Meeting, Atlanta, GA 5/6/2001
4. Mello MJ, Nathanson AT, Martin T, *et al*: “Development of a Guide of Injury Prevention Resources for the Emergency Physician” Presented National ACEP Research Forum, Chicago, IL 4/28/2001

INVITED PRESENTATIONS

Regional Presentations

1. “New Approaches to Sea Sickness” Rhode Island American College of Emergency Physicians Conference, Newport, RI 8/1998
2. “Medical Management of Sea Sickness” Rhode Island American College of Emergency Physicians Conference, Newport, RI 8/1999
3. “Water sports Injury – Strategies for Prevention” Brown University Wilderness Medicine Interest Group 1/2002
1. “Hypothermia and Cold Water Immersion” Brown University Wilderness Medicine Interest Group, Brown University Medical School, Providence, RI 11/21/2003
2. “Hazardous Marine Life” Wilderness Medicine Society National Weekend Conference Series: Wilderness and Travel Medicine for Primary Care Providers Conference, Warwick, RI 9/2004
3. “Head Trauma” Warren Rescue, Warren, RI 12/2004
4. “Dangerous Marine Animals” Warren Alpert Medical School of Brown University, Wilderness Medicine Course. Providence, RI 2/13/08
5. “Marine Envenomations: prevention and treatment” Brown Medical School, Wilderness Medicine Elective, Brown University, Providence, RI 4/22/10
6. “Drowning and Submersion Injuries” Brown Medical School Wilderness Medicine Elective, Brown University 4/23/10
7. “Dangerous Marine Animals” for Brown 1st and 2nd year interest group in Wilderness Medicine. 16 students, 1 hour. Dec 20, 2011
8. “Marine Bites and Stings” 1st and 2nd year Alpert Medical School student interest group in Wilderness Medicine, Providence, RI. Twenty-five students, 2 hours. January 28, 2013
9. “Epidemiology, Prevention and Treatment of Shark Attacks” Alpert Medical School student interest group in Wilderness Medicine, Providence, RI. Twenty students, 1.5 hours. December 1, 2013
10. “Ethical Considerations in use of Social Media for Research” Responsible Conduct of Research Course, Providence, RI. 15 participants. April 10, 2014
11. “Submersion Injuries” Wednesday Conference. 40 residents. April 30, 2014
12. UEMF Ethical Conduct of Research Series: On-line Surveys and Social Networks 20 attending Physicians, Claverick 2, Feb 27, 2014

13. "Drowning" 1st and 2nd year Alpert Medical School student interest group in Wilderness Medicine, Providence, RI. 20 students, 2 hours. December 15, 2015
14. "Stryker use and diagnosis of compartment syndrome". Intern orientation 12 Interns. Rhode Island Hospital. July 21, 2015
15. "Management of second-degree heart block". Wednesday Conference series 20 residents. Lifespan Simulation Center. August 26, 8-11 am
16. "Marine Envenomations" and "Hands-on wound repair workshop" 1st and 2nd year Alpert Medical School student interest group in Wilderness Medicine, Providence, RI. 12 students, 2 hours. October 19, 2015
17. "Snake, Spider, and Hymenoptera Bites" Resident Conference. 36 residents May 4, 2016
18. "Dangerous Marine Creatures" Scribe Clinical Skills Day. 10 scribes July 21, 2016
19. "Brown EM Resident Conference Patient Simulation Center Cases and debriefing" 48 residents 8/24/16
20. "Hazardous Marine Life", "Red Tides AKA Harmful Algal Blooms" 1st and 2nd year Alpert Medical School student interest group in Wilderness Medicine, Providence, RI. 12 students, 2 hours. November 12, 2016
21. "Drowning and Resuscitation" Biology 5660 USCG Station Castle Hill 12 students. April 6, 2017
22. "Marine Envenomations". Biology 5660 Claverick Building 12 students. April 17, 2017
23. "Drowning and Resuscitation", Biology 5660 USCG Station Castle Hill 11 students. April 12, 2018
24. "Marine Bites and infections" Biology 5660 USCG Station Castle Hill 11 students. April 12, 2018
25. "Seafood Poisoning" Biology 5660 Claverick Building 11 students April 13, 2018
26. "Surf Zone Injuries and Rescue" Newport Hospital, 22 Paramedics May 16, 2019
27. "Seafood Toxidromes" BEM Wednesday Conference 52 Residents (via Zoom) September 23, 2020
28. "Marine Stings" AMS Second Year Wilderness Medicine Elective. (via Zoom) 22 students November 30, 2020
29. "Drowning and Resuscitation", Biology 5660 Via Zoom. April 8, 2020
30. "Marine Bites and infections" Biology 5660 Via Zoom 11 students. April 9, 2020

31. "Coelenterate and Aquatic vertebrate stings" Yale PA program. 105 students (via Zoom) March, 2021
32. "Marine Bites and Infections" Biology 5660 12 students. April 6, 2021
33. "Submersion Injuries" Biology 5660 12 students. April 7, 2021
34. "Marine Envenomations" Biology 5660 8 students. April 9, 2023
35. "Shark Bites and marine injuries" Biology 5660 10 Students. April 13, 2023
36. "Role of the Expedition Physician" Biology 5660 10 Students. April 14, 2023
37. "First Aid Kits" Biology 5660 10 Students. April 14, 2023

National Presentations

1. "Team work Training in the Real World" V.H.A. Midwest, Minneapolis, MN. This lecture described the implementation and sustainment of a team-work training program at the Miriam Hospital emergency department. 6/2003
2. "Surfing and Windsurfing Injuries" Wilderness Medicine Society National Weekend Conference Series: Wilderness and Travel Medicine for Primary Care Providers Conference, Madison, WI 10/2004
3. "Sail Fast Sail Safe: Preliminary Results of the Sailing Injury Survey" US SAILING (The national governing body for the sport of sailing) Annual Meeting, Newport, RI 11/17/2006
4. Co-Chair Wilderness Medical Society Conference: "Wilderness, Travel, and Marine Medicine" Ka'anapali Maui, HI. 110 international registrants, 26 CME credits November 1-4 2008.
 - a. "Surfing and Windsurfing Injuries" 11/3/2008
 - b. "Anemones to Zebrafish: Marine Bites and Stings" 11/2/2008
 - c. "Shark Attacks and other Marine Bites" 11/2/2008
 - d. "Seafood Toxidromes: One fish two fish blowfish bluefish" 11/3/2008
5. "Pipeline Master's Conference", Surfing Medicine, Oahu, HI. Adjunct Faculty. 20 participants, Dec 12-17, 2009
6. Co-Chair for Wilderness Medical Society Conference: "Wilderness, Travel, and Marine Medicine" Ka'anapali Maui, HI. 105 International registrants, 26 CME credits Oct 30 – Nov 3 2010
 - a. "Prevention and treatment of Jellyfish and Anemone stings" 10/30/2010
 - b. "Shark Attacks and other Marine Bites" 10/30/2010

- c. “Seafood Toxidromes, and shellfish poisoning” 11/2/2010
 - d. “Surfing and Kiting Injuries” 11/2/2010
7. “Surf Med 101” Quiksilver, Inc., 15202 Graham St. Huntington Beach, CA 25 students, 10/21/11
 8. Advanced Wilderness Medical Life Support (AWLS) Course, Mount Snow Resort, VT. Three 45-minute lectures, 3 1-hour workshops. 18 registrants, 9/7 – 9/9/12
 - a. Animal and Insect bites and envenomation
 - b. Submersion Injuries and water safety
 - c. Wound and Burn Management in the Wilderness
 - d. Patient Assessment for trauma patients
 - e. Teamwork training, communication, and leadership skills for Wilderness Emergencies
 - f. Practical skills workshop: C-spine management, improvised litters and evacuating the injured surfer
 - g. Practical skills workshop: Dislocations, fractures, and splinting
 - h. Breakout session: Medical problems in the wilderness
 9. 1st International Extreme Sports Medicine Congress, University of Colorado, Boulder CO, 110 registrants, 6/13 – 6/16/2014
 - a. Extreme Sailing injuries
 - b. Surfing Injuries
 - c. Surviving the Sun
 10. 2nd International Extreme Sports Medicine Congress, University of Colorado, Boulder CO, 130 International registrants, 6/9 – 6/11/2016
 - a. Extreme Sailing injuries
 - b. Surfing Injuries
 - c. Surviving the Sun
 11. International Extreme Sports Medicine Congress, ~~University of Colorado, Boulder CO,~~ 150 International registrants, 6/4 – 6/6/2020 *Cancelled due to Covid pandemic*
 - ~~a. Sailing in the USA: Injuries and Fatalities~~
 - ~~b. Surfing in the Olympics~~
 - ~~c. Surf Survival and Sufiatrics: Because surfers also get old.~~
 12. 2021 Wilderness Medical Society Annual Summer Mtg. 240 registrants. Virtual. 6/23 2021
 - a. “Solar Injuries and Protection”
 - b. “Seafood Toxidromes”
 13. 4th International Extreme Sports Medicine Congress, University of Colorado, Boulder CO, 150 International registrants, 5/20 – 5/22/2022
 - a. “Sailing Injuries and Fatalities in the US”
 - b. “Surfing in the Olympics”
 - c. “Surf Survival and Sufiatrics: Because surfers also get old.”

International Presentations

1. Delegate, ACEP Emergency Medicine Delegation to Vietnam and Cambodia. 1/31 – 2/10/2006
2. “Med-Sail: Medicine for Mariners” Course, British Virgin Islands, 2/4 – 2/10/12
Five 1-hour lectures, 20 international attendees.
 - a. Ciguatera, Scombroid, and Harmful Algal Blooms.
 - b. Marine Infections and Bites
 - c. Marine First-Aid Kits
 - d. Sailing Injuries: Epidemiology and Prevention
 - e. Cnidarian Stings: Treatment and Prevention
3. “Med-Sail: Medicine for Mariners” Course, British Virgin Islands, 2/1 – 2/7/13 Five 1-hour lectures, 55 international attendees.
 - a. Wound Care in the marine environment
 - b. Sailing Fatalities and Prevention: Analysis of data from the US Coast Guard
 - c. Ciguatera, Scombroid, and Harmful Algal Blooms.
 - d. Hazardous Sea life: Prevention and treatment
 - e. Marine First-Aid Kits
4. “Surf Survival Course”, Nosara, Costa Rica 8/3 – 8/13
Six 1.5 hour lectures, 3 1.5 hour Workshops, 12 international attendees
 - a. Basic Lessons of the sea
 - b. Emergency Wound care
 - c. Wilderness First-aid
 - d. Tropical Diseases
 - e. Travel Medicine 101
 - f. Emergency Orthopedics
5. Keynote Speaker EASD 2nd annual conference on surfing medicine, Sagres, Portugal, 10/2 -5, 2013 Three 45 minute lectures, ~ 125 international attendees (20 countries)
 - a. Wilderness Wound Management
 - b. Marine Bites and Stings
 - a. Steering Committee for 2015 World Congress of Surfing Medicine
6. “Med-Sail: Medicine for Mariners” Course, British Virgin Islands, 1/ 24 - 1/31, 2014
Five 1-hour lectures, 50 international attendees.
 - b. Surviving the Sun
 - c. Wound Care in the marine environment
 - d. Ciguatera, Scombroid, and Harmful Algal Blooms.
 - e. Hazardous Sea life: Prevention and treatment
 - f. Marine First-Aid Kits
7. “Advanced Surfing Life Support” Conference, Ericeira, Portugal, 5/5 – 5/10, 2014 5 1-hour lectures, 25 international attendees

- a. Epidemiology of surfing injuries
 - b. Head injuries among surfers
 - c. Solar injury and solar protection
 - d. Simulated patient encounters/Teamwork training
 - e. Patient packaging/hypothermia wraps/carries
8. Conference Chair “Med-Sail: Medicine for Mariners” Course, British Virgin Islands, 1/ 24 - 1/31, 2015
Five 1-hour lectures, 50 international attendees.
- a. Surviving the Sun
 - b. Ciguatera, Scombroid, and Harmful Algal Blooms.
 - c. Hazardous Sea life: Prevention and treatment
 - d. Marine First-Aid Kits
14. Surfing Medicine Conference, Puerto Sandino, Nicaragua, May 28 – June 3, 2015 14 attendees
- a. Seafood Toxidromes
15. EASD 4th annual conference on surfing medicine and drowning, Anglet, France, September 28 – October 4, 2015. “Wound Care in the Marine Environment” 130 International attendees
16. Conference Chair “Med-Sail: Medicine for Mariners” Course, British Virgin Islands, 1/ 24 - 1/31, 2016
Five 1-hour lectures, 48 international attendees.
- a. Surviving the Sun
 - b. Ciguatera, Scombroid, Fugu and Harmful Algal Blooms.
 - c. Hazardous Sea life: Prevention and treatment
 - d. Sailing Fatalities
 - e. Onboard treatment of ENT and Eye injuries and infections
17. Conference Chair “Med-Sail: Medicine for Mariners” Course, British Virgin Islands, 1/ 21 - 1/28, 2017
Six 1-hour lectures, 48 international attendees.
- a. Surviving the Sun
 - b. Ciguatera, Scombroid, Fugu and Harmful Algal Blooms.
 - c. Hazardous Sea life: Prevention and treatment
 - d. Sailing injuries and Fatalities; Analysis of recent sailing tragedies
 - e. Onboard treatment of ENT and Eye injuries and infections
18. Conference Chair “Med-Sail: Medicine for Mariners” WMS Course, Agana Croatia
Six 1-hour lectures, 24 international attendees. 5/20-27, 2017
- a. Drowning and Resuscitation
 - b. Marine Infections: *Vibrio*, *Aeromonas*, and *M. Marinum*
 - c. Ciguatera, Scombroid, Fugu and Harmful Algal Blooms.
 - d. Hazardous Sea life: Prevention and treatment
 - e. Onboard treatment of ENT and Eye emergencies

19. Conference Chair “Med-Sail: Medicine for Mariners” WMS Course, Agana Croatia
Six 1-hour lectures, 18 international attendees. 5/26 – 6/1, 2018
- a. Drowning and Resuscitation
 - b. Marine Bites and infections
 - c. Ciguatera, Scombroid, Fugu and Harmful Algal Blooms.
 - d. Marine envenomations
 - e. Onboard treatment of Eye emergencies
20. Conference Chair “Med-Sail: Medicine for Mariners” WMS Course, British Virgin Islands
Six 1-hour lectures, 24 international attendees. 1/20 – 1/26, 2019
- a. The ABC’s of UV light
 - b. Marine Envenomations
 - c. Seafood Toxidromes
 - d. Marine Bites and Infections
 - e. Management of On-board Orthopedic emergencies
21. ~~World Conference on Surfing Medicine, Chiba Japan. 125 Attendees. 6/22 – 6/25, 2020~~
~~Lecture: “Surfing Injuries and Prevention: An update”. *Cancelled Covid pandemic*~~
22. ~~Conference Chair “Med Sail: Medicine for Mariners” WMS Course, British Virgin Islands~~
~~Six 1 hour lectures, 24 international attendees. 1/23 – 1/29, 2020 *Cancelled Covid pandemic*~~
- ~~a. The ABC’s of UV light~~
 - ~~b. Sailing Injuries and Fatalities~~
 - ~~c. Cold Water Immersion~~
 - ~~d. Marine Bites and Infections~~
 - ~~e. Management of On-board Orthopedic emergencies~~
23. Conference Chair “Med-Sail: Medicine for Mariners” WMS Course, British Virgin Islands
five 1-hour lectures, 23 international attendees. 1/16 – 1/22, 2022
- a. The ABC’s of UV light
 - b. Marine Envenomations
 - c. Seafood Toxidromes
 - d. Marine Bites and Infections
 - e. Sailing Injuries and Fatalities
24. Webinar European Society of Sports Traumatology (ESSKA) Congress of Extreme Water sports.
“Windsurfing Injuries” Presentation. 6/28/2023

COMMUNITY OUTREACH / Video/TV Presentations

1. Vamos a Nadar, Vamos a Pescar, Vamos Enfatizar la Seguridad en el Agua (Water Safety Radio Interview – in Spanish) with host Pablo Rodriguez, MD. 88.1FM Latino Public Radio May, 31, 2011

2. Health Check: Safe Surfing. NBC Channel 10 Evening News. Interview by Barbara Morse Silva, July 14, 2011
3. “Surf Survival” Interview, Plum TV, Nantucket Island, July 26, 2011
4. Surf Survival Course – A 3-day seminar of didactics and hands-on ocean safety workshops for surfing instructors. Four 1.5-hour lectures, 3 1.5-hour workshops. 12 students. Sponsored by the Harmony Institute. Nosara, Costa Rica. November 14-17, 2012
5. “Boating Safety Video” produced by the 4-Safety program of the Injury Prevention Center at Rhode Island Hospital. March 30, 2015
6. “Proper Lifejacket fit Video” produced by the 4-Safety program of the Injury Prevention Center at Rhode Island Hospital. March 31, 2015
7. “Lifejackets vs. Water toys Video” produced by the 4-Safety program of the Injury Prevention Center at Rhode Island Hospital. March 31, 2015
8. Telemedicine Support and Medical Advisor to Donna Lange for her attempt to the first woman to sail solo, non-stop around-the-world. July 2015 – June 24, 2016
9. “Wound Care for Surfers” Video produced by SurfPrevention.com, Biarritz, France October 2, 2015
10. “Sailing Fatalities” WPRO Radio Interview March 27, 2016
11. “Sailing Fatalities and Boating Safety” NBC Channel 10 Evening News. Interview by Barbara Morse Silva, April 14, 2016
12. Lifespan Blog: Boating Safety, July 12, 2017
13. ACEP Blog: Surfing Injuries and Prevention, August, 2017
14. “Surf Zone Injuries and Rescue” Lecture Newport Hospital, 22 Paramedics May 16, 2019
15. Lead physician, Medical support for Save The Bay Swim, 245 swimmers, Jamestown, RI. July 26, 2019.
16. US Sailing investigation of a drowning death in the 2022 Newport to Bermuda race. 6/21 – 7/4, 2022
17. “Old Man and the Sea: Physiology of the ageing surfer” Video for Helio Orthopedics in *Orthopedics Today*. May 25, 2022
18. “Surfing Injuries” Video for Helio Orthopedics in *Orthopedics Today*. May 25, 2022
19. “Sailing Injuries: Acute and overuse Orthopedic Injuries” Orthopedics Show SiriusXM Doctor Radio. June 5, 2023

GRANTS

1. “Surfing injuries among elite competitive surfers” \$1,000 U.E.M.F. Intradepartmental grant 2003-04. Principal Investigator.
2. “Sailing Injury Survey” \$5,000 Bonnell Cove Foundation. 2005-06 Principal Investigator.
3. “Regatta Injury Survey” \$5,000 Stride Memorial Foundation Grant Application 2006 – 07. Principal Investigator
4. “Sailing Safety and Injuries Survey” \$10,000 Bonnell Cove Foundation. 2006 – 07 Principal Investigator.
5. “Competitive Sailing Injuries” \$9,400 Intradepartmental Seed Grant for Faculty Development. 2007 – 2008. Principal Investigator
6. “Sailing Injuries and Fatalities in the US 2000 - 2011: an analysis of US Coast Guard data” \$5,250. Bonnell Cove Foundation. 2013 Co-Principal Investigator

UNIVERSITY TEACHING, ADVISING AND MENTORING ROLES

1. Affinity Group Co-leader, Marine Medicine Affinity Group, Brown University 9/1995 – 5/1999
2. Curriculum development for Marine Medicine Affinity Group, Brown University 9/1995 – 5/1999
3. Curriculum Development for Hematology/Oncology Core Curriculum 1998- 2001
4. Splinting Workshop for Resident Orientation. 1998 – 2002
5. Mock Oral Boards for E.M. Residents 1999, 2001, 2003, 2005, 2018, 2021, 2022 (x2), 2023
6. 4th Year Medical School Community health clerkship project mentor for student David Zinn. “Patterns of Injury in Olympic Dinghy Sailing” 9 – 11/ 2007
7. 4th Year Medical School Community health clerkship project mentor for student Scott Harada “Analysis of lifeguard reported data at Hanauma Bay, HI 2000 – 2007” 3 – 5/2010
8. Developed curriculum and served as Faculty advisor for new 4th year medical student Clerkship, “Wilderness and Environmental Medicine” - BIOL 5660, 12 students. Didactic

courses at Brown University 4/19 - 4/25. Hands-on skills, simulations in Gorham, NH
4/25 – 4/30, 2010

9. “Psychiatric Emergencies Hot Seat” Weekly conference, Brown University Department of
Emergency Medicine, August 17, 2011
10. Faculty Advisor for 2 week, 4th year medical student Clerkship, Wilderness and
Environmental Medicine: BIOL 5660, 12 students. Didactic courses at Brown University
4/18 - 4/22. Hands-on skills, simulations in Gorham, NH 4/25 – 4/30, 2011
11. Faculty Advisor for 2 week, 4th year medical student Clerkship, Wilderness and
Environmental Medicine: BIOL 5660, 12 students. Didactic courses at Brown University
4/16 - 4/21. Hands-on skills, simulations in Gorham, NH 4/22 – 4/27, 2012
12. Cadaver Lab Procedure Skills, Emergency Medicine Interns and EMPAD’s (16) Alpert
School of medicine cadaver lab, 6/7/2012
13. Faculty Advisor for 2 week, 4th year medical student Clerkship, Wilderness and
Environmental Medicine: BIOL 5660, 12 students. Didactic courses at Brown University
4/1 - 4/5. Hands-on skills, simulations in Gorham, NH 4/7 – 4/12, 2013
14. Suture Lab Procedure skills, Emergency Medicine Interns (12), Claverick building
7/1/2013
15. Toxicology Rounds “Marine Envenomations”, Emergency Medicine Residents. 9/23/2013
16. Faculty Advisor for 2 week, 4th year medical student Clerkship, Wilderness and
Environmental Medicine: BIOL 5660, 12 students. Didactic courses at Brown University
3/31 - 4/4. Hands-on skills, simulations in Gorham, NH 4/7 – 4/12, 2014
17. Faculty Advisor for 2 week, 4th year medical student Clerkship, Wilderness and
Environmental Medicine: BIOL 5660, 10 students. Didactic courses at Brown University
3/31 - 4/4. Hands-on skills, simulations in Gorham, NH 4/13 – 4/25, 2015
18. Faculty Advisor for 2 week, 4th year medical student Clerkship, Wilderness and
Environmental Medicine: BIOL 5660, 11 students. Didactic courses at Brown University
4/18 - 4/22. Hands-on skills, simulations in Gorham, NH 4/24 – 4/29, 2016
19. Preparation of “5-minute teaching” entry on “spider bites” for resident teaching TMH
March, 2017
20. Faculty Advisor for 2 week, 4th year medical student Clerkship, Wilderness and
Environmental Medicine: BIOL 5660, 11 students. Didactic courses at Alpert Medical
School 4/3 - 4/8. Hands-on skills, simulations in Gorham, NH 4/8 – 4/14, 2017

21. Intern Procedure day, “Paracentesis”, Alpert Medical school cadaver lab, 13 interns, August 18, 2017
22. “MedWars” Wednesday conference in-water rescue station, Lincoln Woods, RI 30 residents August 30, 2017
23. “Marine Bites and infections” 2nd Year medical Students, Alpert Medical School Dec 11, 2018
24. Toxicology conference, “Harmful Algal Blooms” 1/18/18
25. Toxicology conference, “Ciguatera, Scombroid, and Fugu poisoning” 2/16/18
26. Faculty Advisor for 2 week, 4th year medical student Clerkship, Wilderness and Environmental Medicine: BIOL 5660, 11 students. Didactic courses at Alpert Medical School 4/9 - 4/13/8 Hands-on skills, simulations in Gorham, NH 4/15 – 4/20, 2018
27. Toxicology conference, “Harmful Algal Blooms” 5/10/18
28. “MedWars” Wednesday conference in-water rescue station, Lincoln Woods, RI 30 residents August 15, 2018
29. Mock Oral Boards, Claverick Building 6 Residents, May 29, 2019
30. 2nd year Doctoring Course “Biol 3660” faculty in EM. Student Jourdan Meltzer. Sept – March, 2020.
31. Faculty Advisor for 2 week, 4th year medical student Clerkship, Wilderness and Environmental Medicine: BIOL 5660, 12 students. Didactic courses at Alpert Medical School 4/5-9/2021 Hands-on skills, simulations various locations in RI. 4/11-16/2021
32. Faculty for 3rd year medical student Jourdan Meltzer independent study elective “Mountain Clinic Alta Utah” December – January 2021/22
33. “Marine Bites and infections” 2nd Year medical Students, Alpert Medical School Dec 13, 2021
34. Mock Oral Boards, via Zoom. 7 Residents, 3/23, 2022
35. Multi-casualty Disaster Preceptor Drill Miriam Hospital. 30 participants 6/22, 2022
36. Lecture “Cold water immersion, self-rescue, and hypothermia”. Wednesday residency conference. 60 participants. 6/22, 2022
37. Mock Oral Boards, via Zoom. 8 Residents, 9/28, 2022

38. Faculty Advisor for 2 week, 4th year medical student Clerkship, Wilderness and Environmental Medicine: BIOL 5660, 8 students. Didactic courses at Alpert Medical School 4/10-4/2023 Hands-on skills, simulations in Gorham, NH. 4/16-21, 2023
39. “MedWars” Wednesday conference “Stingray Stings” RIH Simulation Center. 30 residents. August 30, 2023
40. Mock Oral Boards for E.M. Residents 6 Residents, Sep 20, 2023
41. Bedside teaching and supervision of 3rd, and 4th year Alpert Medical Students on E.D. rotations. 3 – 6 medical students per year. 1994 – Present
42. Bedside teaching and supervision of Emergency Medicine Residents, Alpert Medical School Residency Program in Emergency Medicine, 40 – 48 Residents. Weekly 1994 - Present

HOSPITAL TEACHING ROLES

TEAMWORK TRAINING

“Project CLEAR” teaches standardized methods of communication for effective interactions with colleagues and with patients and their families. The goal of the project is to promote patient safety and improve the patient experience.

Project CLEAR trainer, Department of Emergency Medicine Simulation Center, Coro Building. Helped teach/facilitate 3 8-hour courses, approx. 12 staff members Nov – Dec 2012

Project CLEAR trainer, Department of Emergency Medicine Simulation Center, Coro Building. Helped teach/facilitate 5 8-hour courses, approx. 12 staff members May – October 2011

“MedTeams is a team-work training curriculum” adapted from a program to reduce accident rates among army combat helicopter crews. The course teaches behavioral skills proven to be effective in coordinating the actions of work groups in high stress environments to reduce medical error rates. The course uses didactics, and a practicum in a high-fidelity medical simulation center. Team STEPPS is a second-generation medical team training program developed by the US Department of Defense.

1) Director “MedTeams” program Miriam Hospital Emergency Department. Trained all staff and implemented this patient safety initiative at Miriam Hospital. 60 nurses, 14 attending physicians. 6/2000 – 10/2000

2) Director Annual Med Teams Training Course for Miriam Hospital new hires. 11 Nurses and 2 Attending physicians per year. 2001 - 2010

3) Trained all Interns in “MedTeams” 10 - 12 interns per year. 2001 - 2006

4) Co-Director “MedTeams” training course involving 4 hours of didactics and 4 hours of medical simulation. Trained entire staff of 100 nurses, 21 attending physicians, 8 secretaries. Nov 4 – Dec 15, 2008

ACLS Instructor, The Miriam Hospital ACLS Courses 3 courses per year, 20 students per course. 4/1997 - 6/1999

RESIDENT MENTOR

1999 - Present

-Phillip Haynes, MD, Ph.D

-Kelly Tam-Sing, MD

-Mark Muetterties, MD

-Juan Pablo Vernon, MD

-Ara Gabrelian, MD

-Katherine Macelhannon, MD

-Jenna Wheelhouse, MD (Research Mentor)