



William 'Will' R. Smith, MD, Paramedic, FAEMS

Colonel, US Army Reserve

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Summary

Board Certified in *Pre-hospital EMS* and *Emergency Medicine*, with specialized focus on wilderness, rescue, tactical/combat and disaster medicine. International subject matter expert providing skilled consulting, teaching, and direct patient care in any setting. Practiced medicine around the world on 6 continents, from 'Baghdad ER' to Easter Island.

Comprehensive Consulting Services

Wilderness & Emergency Medicine Consulting (WEMC), LLC | Jackson, WY 2004-present
President, Medical Director | (307) 200-9362 | www.wildernessdoc.com | will@wildernessdoc.com

- Principle provider of all WEMC, LLC consulting activities which range from comprehensive medical oversight of Pre-hospital EMS systems, medicolegal case review, pre-trip medical screening and first aid kit development, education and teaching at all medical levels, keynote motivational speaking, trip physician, and other comprehensive medical / rescue planning and evacuation strategies.
- DUNS 150522147 | CAGE 6Q8F5

Current Employment

St. John's Health | Jackson, WY 2004-present
Emergency Department Physician, Full-Time Senior Partner

- Provide direct patient care; supervise residents, other students and staff; administrative duties including business manager, payroll, and EMS liaison
- Chair, Quality Performance Monitoring Committee
- Resident/Student Elective Co-Coordinator
- Past Chair, Emergency Services Committee and Pharmacy and Therapeutics Committee

Military Experience

United States Army Reserve commissioned 2001
Colonel (COL), Medical Corps (62A – Emergency Medicine) | william.r.smith656.mil@mail.mil

- Top Secret / SCI Security Clearance

G34 - EMS/Disaster Medicine Branch Chief | US Army Office of the Surgeon General (OTSG) 2014-present
San Antonio, TX / Falls Church, VA

- Implementation of disaster and EMS response strategies for the US ARMY (MEDCOM)
- Medical Director for **Army EMS, NDMS, Disaster Medicine** Programs
- Medical Director for the **USAMRIID** Emergency Management Division and Medical Response Element
- Defense Advanced Research Projects Agency (**DARPA**) Subject Matter Expert

Combat Deployments:

- COVID-19 Operational Support | **Defense Health Headquarters** | Arlington, Virginia (remote) Mar 2020-Present
- US Military Hospital- Kuwait (USMH-K) – 452nd CSH | Arifjan, **Kuwait** Apr-Aug 2014
- 345th Combat Support Hospital | Al Asad, Ibn Sina/Baghdad ER, **Iraq** Oct 2008 – Jan 2009
- 344th Combat Support Hospital | Abu Ghraib, **Iraq** Dec2005 – Mar2006



Other Military Deployments / Missions

- Immediate Response 2011 | **Croatia** June 2011
- Medical Readiness Training Exercise (MEDRETE) | **Panama** Apr 2010
- Medical Readiness Training Exercise (MEDRETE) | **El Salvador** Sept 2009
- Operation Bright Star 2007 | **Egypt** Oct – Nov 2007

Education

- Medical College of Wisconsin, Milwaukee, WI | **Emergency Medicine Residency** 2004
- University of Washington School of Medicine, Seattle, WA | **Doctor of Medicine (MD)** 2001
- Colorado Association of Paramedic Education, Denver, CO | **National Registry – Paramedic** 1996
- University of Wyoming, Laramie, WY | **Bachelor of Science**, Molecular Biology/Pre-Medicine 1995

Certifications and Licenses

Licensed Physician: Colorado, Idaho, Montana, Pennsylvania, Utah, Washington, Wisconsin, Wyoming
 Board Certified: Emergency Medicine (American Board of Emergency Medicine - ABEM)

EMS Sub-Specialty (ABEM-EMS)

- Fellow: American College of Emergency Physicians (FACEP)
 American Academy of Emergency Medicine (FAAEM)
 Academy of Wilderness Medicine (FAWM)
 Academy of EMS (FAEMS)

Provider/Instructor: ACLS, PALS, ATLS, BLS

National Registry of EMTs – Paramedic

Drug Enforcement Agency (DEA) License: Federal, Wyoming

National Pro-board Certification – Fire Fighter 1

Incident Qualification Card (Wildland Firefighter Red Card)

NIMS Incident Command System Certifications: 100, 200, 300, 400, 700

Pre-Hospital Medical Oversight (Medical Director)

National Park Service | Washington, DC 2006-present
 National Medical Director (WASO) | (202)802-1148 | will_r_smith@contractor.nps.gov

Other Medical Director Activities:

National Park Service units - Local Medical Oversight

- Grand Teton National Park (GRTE) | Jackson Hole, WY 2004-present
- Big Horn Canyon National Recreation Area (BICA) | Ft. Smith, MT / Lovell, WY 2013-2020
- Southeast Arizona National Park Group (SEAZ) | Hereford, AZ 2008-2019
- Yosemite National Park (YOSE) | Yosemite, CA 2011

- Teton County Search and Rescue | Jackson Hole, WY 2004-present
- Jackson Hole Fire/EMS | Jackson Hole, WY 2007-present
- Bridger Teton National Forest (BTNF), USDA | Jackson, WY 2011-present
- Wounded Bear Medicine | Jackson, WY 2020-present
- Wilderness Medics – Wyoming Operations | Hamilton, MT 2016-present
- Rustic Pathways | Chardon, OH 2016-present
- Wilderness Medical Associates International | Portland, ME 2022-present
- Global Glimpse | Berkley, CA 2018-2022
- Life Flight Network – Wyoming Operations | Aurora, OR 2015-2016



Professional Activities

- Medical Journal Peer Review: Journal of Military Medicine
Journal of High Altitude Medicine & Biology
Journal of Pre-hospital Emergency Care
Journal of Wilderness & Environmental Medicine
Journal of Pediatrics
Advances in Archaeological Practice
Circulation / American Heart Association
- National Committee Appointments: American Heart Association (2008 – 2011; 2014 – 2016)
First Aid Writing Group, AHA Guidelines (2015)
First Aid Subcommittee member AHA Guidelines (2010)
Lead Peer Reviewer for AHA First Aid Guidelines (2020)
American Heart Association/American Red Cross 2007 – 2010
International First Aid Science Advisory Board, Member
NAEMSP representative
▪ Developed international recommendations for 2010
ECC/First Aid guidelines
National Ski Patrol Medical Committee; at-large member; 2021-present

University of Washington School of Medicine, Department of Emergency Medicine | Seattle, WA
Clinical Assistant Professor

University of Utah School of Medicine, Department of Emergency Medicine | Salt Lake City, UT
Clinical Adjunct Community Faculty Appointment

Professional Memberships

- American Academy of Emergency Medicine (AAEM), Fellow
Special Operations Medical Association (SOMA)
Divers Alert Network (DAN)
Wilderness Medical Society (WMS), Fellow
National Association of EMS Physicians (NAEMSP), Fellow Academy of EMS (FAEMS)
American College Emergency Physicians (ACEP), Fellow
Wyoming Medical Society
National Registry of Emergency Medical Technicians (NREMT), Paramedic

Skills / Areas of Expertise

Outdoor Experience:

- **Diving** | Advanced Open Water SCUBA certified (PADI)
Great Barrier Reef, Australia; Easter Island, Chile; Poor Knights, New Zealand; Cancun/Cozumel, Mexico; Ohau/Maui, Hawaii; Fiji; Lake Michigan, WI; Dominican Republic; Coiba, Panama
- **Mountaineering / Trekking / Climbing**
Mt. Kilimanjaro, Africa - 19,341 ft (5895 m), Pico de Orizaba, Mexico - 18,490 ft (5636 m), Grand Teton, Wyoming - 13,770 ft (4197 m), Longs Peak, Colorado - 14,259 ft (4346 m), Mt. Rainier, Washington - 14,410 ft (4392 m)
- **Ski Patrol** | Hill Chief/Assistant Patrol Director, *Snowy Range Ski Area*, Laramie, WY 1991-1998



Awards

National Park Service, Citation for Citizen's Awards for Bravery | Presented for life-saving act on March 3, 2017 for a 61-year-old skier in cardiac arrest at 9,557 on Maverick Peak, Grand Teton National Park. Dr. Smith and 2 others saved his life by a short-haul mission in a remote location and used an AED to stabilize and then extract the patient, who made a full recovery. (2021)

Ice Axe Award, Wilderness Medical Society | Selected by the Wilderness Medical Society (WMS) president and presented at the WMS Annual Meeting, Breckenridge, CO. Honored as individual with a distinguished record of public service in wilderness medicine, who is also a strong advocate for the WMS and outdoor health and safety. (2017)

Excellence in Peer Review, Wilderness Medical Society | Selected by the Wilderness Medical Society (WMS) and Wilderness & Environmental Medicine Journal for excellence in peer review. Selected with three other members out of a field of 182 reviewers. (2017)

MAJ John P. Pryor, MD, Street Medicine Society Award | Presented at EMS Today, Baltimore, MD. Recognized as a physician who has come up through the ranks as an EMS provider and constantly demonstrates a sincere and ongoing dedication to the betterment of EMS on a regional or national basis through clinical excellence or education, logistical and/or humanitarian initiatives. (2016)

University of Washington School of Medicine (WWAMI Program) 10 Year Teaching Award | Recognized as a clinical WWAMI faculty for over 10 years of teaching medical students and supporting the University of Washington School of Medicine. (2015)

US Army Medical Department "A" Proficiency Designator | Highest award that the Army Medical Department (AMEDD) can bestow to recognize professional expertise, exceptional ability, and outstanding achievements in both clinical and academic medicine. (2015)

Wyoming Governor's Award for EMS Physician Medical Director of the Year | Recognized as a Wyoming Physician that has provided outstanding leadership and guidance to their local EMS agency, as well as to EMS across Wyoming. Presented at the Wyoming EMS Conference. (2014)

EMS 10 Award by the Journal of EMS (JEMS) | Recognized as one of the top 10 National Innovators of EMS for 2011. Presented at EMS Today, Baltimore MD, March 2012 for Dr. Will Smith's creation of the Wilderness EMS Medical Director Course along with Drs. Michael Millin and Seth Hawkins. (2011)

Wyoming WWAMI Alumni of the Year | An award given to medical alumni that continue to support and teach for the University of Washington School of Medicine WWAMI Program. (2008)

Publications – ORCID# 0002-1223-4168 / SCOPUS 740646790 / SCOPUS 56196872200

Peer Reviewed Articles

1. Montopoli M, Montopoli G, **Smith W**, Montopoli D. Neonatal Percentile Curves: A multivariate Normal Probability Density Approach to Identifying High-Risk Neonates. *Journal of the American Medical Association*. Manuscript submitted 2019.
2. Nichols T, Hawley A, **Smith W**, Wheeler A, McIntosh S. Avalanche Safety Practices Among Backcountry Skiers and Snowboarders in Jackson Hole in 2016. *Wilderness & Environmental Medicine*. 2018;29(4):493-8.



3. Millin M, Johnson D, Schimelpfenig T, Conover K, Sholl M, Busko J, Alter R, **Smith W**, Symonds J, Taillac P, Hawkins S. Medical Oversight, Educational Core Content and Proposed Scopes of Practice of Wilderness EMS Providers – A Joint Project Developed by Wilderness EMS Educators, Medical Directors, and Regulators Using a Delphi Approach. *Prehospital Emergency Care*. Published online: 28Jun2017.
4. **Smith W**. Integration of Tactical EMS in the National Park Service. *Wilderness & Environmental Medicine*. 2017;28:S146-153.
5. Petersen C, Rush S, Gallo I, Dalere B, Staak B, Moore L, Kerr, W, Chandler M, **Smith W**. Optimization of Simulation and Moulage in Military-Related Medical Training. *Journal of Special Operation Medicine*. 2017;17(3):74-80.
6. Lane JP, Taylor B, **Smith WR**, Wheeler AR. Emergency Medical Service in the US National Park Service: A Characterization and Two Year Review, 2012-2013. *Wilderness & Environmental Medicine*. 2015;26:531-535.
7. Singletary EM, Charlton NP, Epstein JL, Ferguson JD, Jensen JL, MacPherson AI, Pellegrino JL, **Smith WR**, Swain JM, Lojero-Wheatley LF, Zideman DA. Part 15: first aid: 2015 American Heart Association and American Red Cross Guidelines Update for First Aid. *Circulation*. 2015;132(suppl 2):S574–S589.
8. Ng P, **Smith W**, Wheeler A, McIntosh S. Advanced Safety Equipment in Backcountry Users: Current Trends and Perceptions. *Wilderness & Environmental Medicine*. 2015;26:417-421.
9. Beasley H, Ng P, Wheeler A, **Smith W**, McIntosh S. The Impact of Freeze-Thaw Cycles on Epinephrine. *Wilderness & Environmental Medicine*. 2015;26:94-97.
10. Millin M, Hawkins S, Demond A, Stiller G, McGinnis H, Baker-Rogers J, **Smith W**. Wilderness Emergency Medical Director Course – Development of Core Content Using a Delphi Approach. *Wilderness & Environmental Medicine*. 2015;26:255-260.
11. Davis C, Engeln A, Johnson E, McIntosh S, Zafren K, Islas A, McStay C, **Smith W**, Cushing T. Wilderness Medical Society Practice Guidelines for the Prevention and Treatment of Lightning Injuries: 2014 update. *Wilderness and Environmental Medicine*. 2014;25:S86-95.
12. Russell K, Scaife C, Weber D, Windsor J, Wheeler A, **Smith W**, Wedmore I, McIntosh S, Lieberman J. Wilderness Medical Society Practice Guidelines for the Treatment of Acute Pain in Remote Environments: 2014 Update. *Wilderness & Environmental Medicine*. 2014;25:S96-104.
13. Phillips K, Longden M, Vandergraff B, **Smith W**, Weber D, McIntosh S, Wheeler A. Current Land Search Management Practices. *Wilderness & Environmental Medicine*. 2014;25(2):166-176.
14. Russell K, Scaife C, Weber D, Windsor J, Wheeler A, **Smith W**, Wedmore I, McIntosh S, Lieberman J. Wilderness Medical Society Practice Guidelines for the Treatment of Acute Pain in Remote Environments. *Wilderness & Environmental Medicine*. 2014;25(1):41-9.
15. Russell K, Weber D, Scheele B, Ernst R, Kanaan N, **Smith W**, McIntosh S, Wheeler A. Search and Rescue in the Intermountain West States. *Wilderness & Environmental Medicine*. 2013;24:429-433.
16. **Smith W**, Montopoli G, Harlow H, Wheeler A, Byerly A. Mercury Toxicity in Wildland Firefighters. *Wilderness & Environmental Medicine*. 2013;24:141-145.



17. Davis C, Engeln A, Johnson E, McIntosh S, Zafren K, Islas A, McStay C, **Smith W**, Cushing T. Wilderness Medical Society Practice Guidelines for the Prevention and Treatment of Lightning Injuries. *Wilderness and Environmental Medicine*. 2012;23(3);260-269.
18. Markenson D, Ferguson JD, Chaemeides L, et al. (contributor **Smith W** – 3 worksheets submitted). Part 13: First Aid: 2010 American Heart Association and American Red Cross International Consensus on First Aid Science with Treatment Recommendations. *Circulation*. 2010 Oct 19;122(16 Suppl 2):S582-605.
19. **Smith W**. Abstracts of Current Literature – American Journal of Sports Medicine, “The Efficacy of Wrist Protectors in Preventing Snowboarding Injuries.” *Wilderness and Environmental Medicine*. 2002;13;169.
20. **Smith W**, Culley L, Plorde M, Murray J, Eisenberg M. EMS Telephone Referral Program: An Alternative Approach to Non-Urgent 911 Calls. *Pre-Hospital Emergency Care*. April 2001;5(2);174-180.

Books/Book Chapters

1. Hawkins S, Millin M, **Smith W**. Chapter 109 - Wilderness EMS. In: *EMS: Clinical Practice and Systems Oversight, 3rd Edition* (Cone et. al. ed.). NAEMSP/John Wiley & Sons, Inc; 2021:392-405.
2. **Smith W**, Trentini J. Wilderness Trauma Care. In: *Prehospital Trauma Life Support, 9th ed.* (Pollak A, ed.) National Association of EMTs; in press 2017.
3. **Smith W**. Chapter 24 – Technical Rescue Interface Introduction: Principles of Basic Technical Rescue, Patient Care Integration, and Packaging. In: *Wilderness EMS, 1st ed.* (Hawkins S, ed.) Wolters Kluwer Health; 2017:433-458.
4. Zafren K, McCurley L, Shimanski C, **Smith W**, Strapazzon G. Chapter 56 – Technical Rescue. In: *Wilderness Medicine, 7th ed.* (Auerbach P, ed.) Elsevier; 2017:1242-1280.
5. Cooper D, **Smith W**. Chapter 55 – Search and Rescue. In: *Wilderness Medicine, 7th ed.* (Auerbach P, ed.) Elsevier; 2017:1213-1242.
6. Hawkins SC, Millin M, **Smith W**. Chapter 54 – Wilderness EMS and Response Systems. In: *Wilderness Medicine, 7th ed.* (Auerbach P, ed.) Elsevier; 2017:1200-1213.
7. **Smith W**. Chapter 12– Medical Professional Roles in Search and Rescue. In: *Mountain Medicine and Technical Rescue: A manual of the Diploma in Mountain Medicine* (Rodway G, McIntosh S, ed.). Carreg Publishing, United Kingdom; 2016:207-223.
8. Vines T, Hudson, ed. *High-Angle Rope Rescue Techniques – Levels I & II, 4th ed.* **Smith W** (Contributor and Reviewer). Jones & Bartlett Learning;2016.
9. Hawkins S, Millin M, **Smith W**. Chapter 42: Care in the Wilderness. In: *Emergency Medical Services: Clinical Practice and System Oversight, 2nd Ed.* Vol2: Medical Oversight of EMS (Cone et. al. ed.) John Wiley & Sons, Ltd; 2015:377-391.
10. Hudson S, **Smith W**, Schlim D, Knox C, Marienau K. Chapter 25. Expedition and Wilderness Medicine. In: *Essential Travel Medicine* (eds Zuckerman J, Brunette G, Leggat P). John Wiley & Sons, Ltd. Chichester UK; 2015:257-278.
11. Zafren K, McCurley L, Shimanski C, **Smith W**. Chapter 38 – Technical Rescue, Self-Rescue, and Evacuation. In: *Wilderness Medicine, 6th ed.* (Auerbach P, ed.) Elsevier/Mosby; 2012:710-738.



12. Millin M, Hawkins S, **Smith W**. Chapter 19 - Wilderness EMS. In: *Medical Oversight of EMS* (Bass et. al. ed.). NAEMSP/Mosby; 2009:229-238.

Abstracts/Posters

1. **Smith W**. National Park Service (NPS) Experience in Integrating Combat Medicine into Remote/Wilderness & EMS Settings. Poster #64. Special Operations Medical Association (SOMA) Scientific Assembly. Tampa, Florida. December 2014
2. **Smith W**, Convertino V, Moulton S. Compensatory Reserve Index (CRI) – A Novel Device to Detect Shock Before Hemodynamic Collapse and Death. Poster #23: Special Operations Medical Association (SOMA) Scientific Assembly. Tampa, Florida. December 2014
3. **Smith W**. Taking Combat Medicine to the Wilderness & EMS Settings. Poster: Special Operations Medical Association (SOMA) Conference. Tampa, Florida. December 2013
4. **Smith W**, Rubin J. “Should Transcutaneous Cardiac Pacing be Performed in an Urban EMS System?” Abstract 96. *Pre-Hospital Emergency Care*. 2005;99(1):142.
5. Mistry R, **Smith W**. Photo Abstract Submission – Pediatric Rickets. Society of Academic Emergency Medicine Conference, Orlando, Fl. May 2004.

International Conference Presentations

The Big Sick – Air Zermatt Zermatt, Switzerland	2022
International Commission on Alpine Rescue (ICAR) Zakopane, Poland	2019
Australian Tactical Medical Conference Brisbane, Queensland, Australia	2019, 2020
World Extreme Medicine Expo Edinburgh, Scotland; London, UK	2015-2022
Medicine in Extremes Conference: Extreme Cold Amsterdam, Netherlands	2017
NATO Special Operations Combat Medic ISTC-SOF Pfullendorf, Germany	2017
Advanced Wilderness Life Support Mt. Buller, Victoria, Australia	2017, 2018

Selected topics: *Technical Rescue Interface (SAR), Lightning MCI at 13,000 feet, Bringing Combat Medicine to the Wilderness, Search and Rescue Panel Presentation, Mountain Medicine – Where Ambulances Can’t Go 1, Mountain Medicine – Where Ambulances Can’t Go 2, UAV (drone) use in Search and Rescue.*

Invited Academic Grand Round Presentations

Northwest Wilderness Medicine Conference, UWSOM/OHSU/ICOM/WU/WSU Mt Hood, OR	
<i>Wilderness Medicine Career</i>	2020
<i>Lightning MCI at 13,000 feet</i>	2020
United States Army Recruiting, Genesys Regional Medical Center Flint, MI	
<i>Disaster Medicine</i>	2016
Military Leadership in Emergency Medicine Conference, Joint Base Lewis McChord Tacoma, WA	
<i>Disaster Medicine</i>	2016
<i>Lightning MCI at 13,000 feet</i>	2015
Louisiana State University New Orleans, LA	
<i>How to build your career in Wilderness Medicine</i>	2015
<i>Mountain Medicine – ‘Where ambulances can’t go’</i>	2010
William Carey University College of Osteopathic Medicine Hattiesburg, MS	



<i>Mountain Medicine – ‘Where ambulances can’t go’</i>	2015
Medical College of Wisconsin Milwaukee, WI	
<i>Mountain Medicine, Combat Medicine</i>	2009

Other National Presentations and Activities

United States Army

US Military Hospital, Kuwait Camp Arifjan, Kuwait	2014
<i>Excited Delirium and Lightning MASCAL at 13,000 feet!</i>	
345 th Combat Support Hospital Al Asad Air Base, Iraq	2008
<i>Mountain Medicine – Where Ambulances Can’t Go!</i>	
328 th Combat Support Hospital Camp Parks, CA	2007
<i>Chest and Abdominal Trauma</i>	
344 th Combat Support Hospital Abu Ghraib Prison Hospital, Iraq	2006
<i>Altitude Illness</i>	
Special Course for US Army, 18 Delta Medics Jackson, WY	2011
<i>Lightning, SAR, Mountain Rescue</i>	

National Search and Rescue Academy (NSARA)

Camp Navajo Flagstaff, AZ	2012
Mountain Warfare Training Center Bridgeport, CA	2013, 2014
<i>Remote Medical Responder (1 week)</i>	

University of Washington School of Medicine | Laramie, WY

IV, Suture, Intubation Workshops	1997-2018
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St. John’s Medical Center | Jackson, WY

Med Staff Presentation	2007, 2009, 2011, 2016, 2018
<i>AHA/ACLS Pearls for Physicians</i>	
Orthopedic and Trauma in the Tetons Conference	2007
<i>Avalanche Injuries and Hypothermia, Factor VIIa, War Injuries</i>	
ED/ICU Nursing and Medical Staff.	2004, 2007
<i>Rapid Sequence Intubation (RSI) In-service</i>	

Grand Teton National Park | Jackson, WY

EMS Refresher: <i>Reducing Medical Errors in EMS, EMS Technology</i>	2018
<i>Mass Gathering Medicine, Tactical EMS/Rescue Task Force</i>	2017
<i>AHA 2015 Updates, Avalanche, TQ us in SAR Review</i>	2016
<i>Tactical EMS, Old People Medications</i>	2015
<i>Tactical EMS, Bear Attack Case Review</i>	2014
<i>Excited Delirium and Behavioral Emergencies, Tactical, EMS</i>	2012
<i>Selective Spinal Immobilization, Mock EMS Trial, Wound Management</i>	2011
<i>Tactical EMS</i>	2010
<i>EMS Medication Review</i>	2009
<i>Medical Emergencies, Trauma Overview, Selective Spinal Immobilization</i>	2008
<i>Avalanche Rescue, QA/Run Review Medical Emergencies</i>	2007
<i>Nuts and Bolts of Trauma</i>	2006
<i>Cardiac Rhythms and Transcutaneous Pacing, Chest and Abdominal Trauma</i>	2005



Jackson Hole Fire/EMS Jackson, WY	
<i>Spine Injuries, Environmental Emergencies</i> (AEMT Class)	2014
Rescue Medicine Conference	
<i>EMS Response to Terrorism, Tactical EMS, Environmental Emergencies</i>	2013
<i>EMS Response to Terrorism, Tactical EMS</i> (EMT Class)	2012
<i>Patient Assessment, Environmental Emergencies</i> (EMT Class)	2006, 2007, 2010
<i>Cardiovascular Emergencies and Medications</i> (EMT-Intermediate Class)	2005, 2009
Jackson Hole Mountain Resort Ski Patrol Jackson, WY	
Annual OEC Refresher	
<i>Airway Management with BLS and King Tubes</i>	2017
<i>Spinal Motion Restriction, Helicopter Operations</i>	2015
<i>Chest and Abdominal Trauma</i>	2009
<i>Patient Assessment on the Ski Slope</i>	2006
Special Operations Medical Association	
Charlotte, NC	2017, 2018
<i>Conference Co-Chair</i>	
Tampa, FL	2012
<i>National Search and Rescue Academy Review, Lightning MCI at 13,000 ft</i>	
<i>Remote Medicine – Where Ambulances Can't Go!</i>	
US Coast Guard - International Ice Rescue & Operations Meeting Bay City, MI	
<i>Search and Rescue/Hypothermia Panel Presentation</i>	2014
Wilderness Advanced Life Support Wilderness Medical Associates	
Boothbay Harbor, ME	2010
<i>Bringing Combat Medicine to the Wilderness</i> (Instructor Meeting)	
<i>Emergency Cardiac Care Update 2010</i> (Instructor Meeting)	
Big Sky, MT in conjunction with National Conference on Wilderness Medicine	2009
Red Lodge, MT	2009
Santa Fe, NM in conjunction with National Conference on Wilderness Medicine	2008
Dover-Foxcroft, ME	2007
Red Lodge, MT	2007
Crested Butte, CO	2005
Ski & Mountain Trauma Conference Sun Valley, ID	
<i>Bringing Combat Medicine to the Wilderness, New and Developing EMS Technology</i>	2017
<i>Lightning MCI at 13,000 feet</i>	2016
International Technical Rescue Symposium Albuquerque, NM	
<i>Lightning MCI at 13,000 feet</i>	2013
Wilderness Risk Management Conference Jackson, WY	
<i>Search and Rescue Panel Presentation</i>	2013
Wyoming Medical Society Annual Meeting Jackson, WY	
Keynote Speaker: <i>Lightning MCI at 13,000 feet</i>	2015
Wilderness EMS Medical Director Course	
<i>Wilderness EMS Medical Director Course</i>	2011, 2013, 2014, 2018
National Association of EMS Physicians (NAEMSP), Annual Meeting	



<i>EMS Medical Errors: Recognizing Bias & Improving Decision Making Strategies</i>	2020
<i>EMS in the National Park Service</i>	2020
<i>At the Edge: Illness at Altitude</i>	2014
<i>EMS Board Specialty Review Course</i>	2013
<i>Medical Oversight for Wilderness EMS</i>	2012
<i>Medical Oversight for Wilderness EMS</i>	2010
<i>To Backboard of Not to Backboard – Spinal Clearance Protocols</i>	2008
ExpedMed: Expedition & Wilderness Medicine Conference Washington, DC; Little Rock, AR	2012, 2018
<i>Mountain Medicine “Where Ambulances Can’t Go”</i>	
<i>Lightning MCI at 13,000 feet</i>	
<i>Medical Oversight for Wilderness EMS</i>	
<i>Bringing Combat Medicine to the Wilderness</i>	
Exum Mountain Medicine CME Conference Jackson, WY	2012
<i>Taking Combat Medicine to the Wilderness, Lightning MCI at 13,000 ft</i>	
Wilderness and Mountain Medicine Conference Park City, UT	
<i>Lightening Injury & Treatment, Wilderness EMS Update</i>	2016
<i>Grand Teton Lightning Rescue: Medical Director’s Perspective</i>	2011
<i>Get Out! Evacuation in the Wilderness, Overview of Mountain Rescue</i>	2009
<i>Spine Evaluation and Management in the Mountain Environment</i>	
<i>SAR Medical Kits, Overview of Mountain Rescue, Improvised Splinting, Litters, and Packaging</i>	2008
Sierra Cascade Trauma Society (SCTS) Meeting Teton Village, Jackson, WY	
<i>Mountain Medicine – ‘Where Ambulances Can’t Go’</i>	2011
Wilderness Medical Society - Annual Meeting	
Telluride Mountain Resort Telluride, CO	
<i>Tactical EMS Integration into the NPS, Hemorrhage Workshop</i>	2016
<i>Topics in Mountain Rescue: NPS Cases, New Rescue Technology</i>	
Silvertree Resort Snowmass, CO	
<i>SAR Medical Kits, Technical Mountain Rescue and Medical Considerations</i>	2009
<i>Search and Rescue Medical Kits, Knots and Basic Self Rescue Skills Workshop</i>	2008
<i>Medical Direction for SAR, EMS, NPS and Wilderness Medical Groups</i>	2008
<i>Get Out! Evacuation in the Wilderness, Management of Spinal Trauma in the Wilderness</i>	2007
National Conference on Wilderness and Expedition Medicine	
Inca Trail/Machu Picchu, Amazon Jungle, Peru <i>Multiple Wilderness Medicine Topics</i>	2010
Big Sky, MT <i>Combat Medicine</i>	2008
National Outdoor Leadership School (NOLS) – Wilderness Medicine Institute Lander, WY	
<i>How to Build a Career in Wilderness Medicine – My Story</i>	2017
<i>Bringing Combat Medicine to the Wilderness – Faculty Workshop</i>	2010
<i>EMS Technology for the Wilderness – Faculty Workshop</i>	2010
Colorado Symposium on Emergency Care (CSEC)	
Durango, CO	2012
<i>Keynote: Lightning Strike MCI at 13,000 feet</i>	
<i>Bringing Combat Medicine to the “streets of EMS”</i>	
<i>New & Developing EMS Technologies</i>	
Telluride, CO	2010



<i>Bringing Combat Medicine to the "streets of EMS"</i>	
<i>Shhh! Don't Tell the Medical Director – EMS Medical Oversight</i>	
<i>To Backboard or Not to Backboard, That is the Question? Selective Spinal Immob</i>	
Telluride, CO	2009
<i>Mountain Medicine – Where Ambulances Can't Go</i>	
<i>Search and Rescue/Wilderness Medical Kits</i>	
<i>To Backboard or Not to Backboard, That is the Question? Selective Spinal Immob</i>	
National Park Service EMS Conferences/Workshops	
Washington DC <i>Tactical EMS Review & Update</i>	2017
Grand Canyon, AZ <i>DARPA/NPS National SAR Academy Overview</i>	2011
Tulsa, OK <i>Grand Teton Lightning Rescue: Medical Director's Perspective</i>	2011
<i>2010 AHA CPR and ECC Update, Tactical EMS</i>	
Albuquerque, NM <i>Bringing Combat Medicine to the EMS and Wilderness Settings</i>	2010
Shepardstown, WV <i>New and Developing EMS Technologies</i>	2008
Jackson Hole Fire/EMS Annual Shock/Trauma Conferences Jackson, WY	2006-2013
<i>Tactical Combat Casualty Care</i>	
<i>Mock Trial – EMS Medicolegal Issues, Altitude Illness</i>	
<i>Fractures & Dislocations and their Reductions, Combat Medicine in Iraq</i>	
<i>Bringing Combat Medicine to the 'Streets of EMS'</i>	
<i>New and Developing EMS Technology, Pediatric Trauma</i>	
<i>Shhh! Don't tell the Medical Director – Overview of EMS Medical Oversight</i>	