



LTC William 'Will' R. Smith MD, Paramedic, FAWM

President, Medical Director
Wilderness & Emergency Medicine Consulting (WEMC), LLC

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Lieutenant Colonel (LTC), Medical Corps (62A – Emergency Medicine)
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Education

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|-------------|--|
| 2001 – 2004 | Medical College of Wisconsin
Emergency Medicine Residency, Milwaukee, WI |
| 1997 - 2001 | University of Washington School of Medicine , Seattle, WA
Doctor of Medicine (MD) |
| 1996 - 1997 | C.A.P.E. (Colorado Association of Paramedic Education)
Paramedic Program, Denver, CO – NREMT-Paramedic |
| 1991 - 1995 | University of Wyoming , Laramie, WY
Bachelor of Science, Molecular Biology/Pre-Medicine |

Current Certifications: Board Certified in Emergency Medicine (ABEM), Board Certified in EMS Sub-Specialty (ABEM-EMS), Fellow of the American College of Emergency Physicians (FACEP), Fellow American Academy of Emergency Medicine (FAAEM), Fellow of the Academy of Wilderness Medicine (FAWM), ACLS Provider/Instructor, PALS Provider/Instructor, ATLS Provider/Instructor, BLS, National Registry of EMT - Paramedic, Wyoming Medical license and WY DEA license, Wisconsin Medical License, Pennsylvania Medical License, Federal DEA license, National Proboard Certification – Fire Fighter 1, Incident Qualification Card (Wildland Firefighter Red Card), NIMS Incident Command System Certifications: 100, 200, 300, 400, 700.

Employment

2004 – Current	Emergency Department Physician, Senior Partner St. John’s Medical Center, Jackson, WY Chair, Quality Performance Monitoring Committee Resident/Student Elective Co-Coordinator Past Chair, Emergency Services Committee
2001 – Current	United States Army Reserve – US Army Medical Command HQ/OTSG G34 Disaster Medicine Branch Chief - San Antonio, TX Lieutenant Colonel (LTC) - Medical Corps: (62A) Emergency Medicine Deployments/Missions: 2005Dec-2006Mar, Iraq Abu Ghraib, Combat Support Hospital, EMT Section 2007Oct-2007Nov, Egypt Bright Star, Medical Aid Station 2008Oct-2009Jan, Iraq Al Asad, Ibn Sina/Baghdad ER, Combat Support Hospital 2009Sep, El Salvador Medical (MedRete) Mission 2010Apr, Panama Medical (MedRete) Mission 2011Jun, Croatia Immediate Response, Medical Aid Station OIC 2014Apr-Aug, Kuwait US Military Hospital- Kuwait (USMH-K), EMT Section
	Prehospital EMS (Ambulance) – Lead EMT/Paramedic
1990-2002	Eastern Wyoming Ambulance, Wheatland, WY
1998-2000	Teton County EMS, Jackson, WY
1996-2001	American Medical Response, Cheyenne, WY / Tacoma, WA
1993 - 1998	Emergency Department Technician Iverson Memorial Hospital, Laramie, WY
1991 - 1997	Hill Chief/Assistant Patrol Director , Ski Patrol Snowy Range Ski Area, Laramie, WY

Prehospital EMS Activities**Medical Director**

Wilderness Medics – Wyoming Operations	2016-present
Rustic Pathways	2016-present
Life Flight Network – Wyoming Operations	2015-2016
AirMed International – Wyoming Operations	2014-present
Bighorn Canyon National Recreation Area (BICA)	2013-present
Jackson Hole Outdoor Leadership Institute	2013-present
Bridger Teton National Forest, USDA	2011-present
Yosemite National Park, Interim	2011
Southeast Arizona National Park Group (SEAZ)	2008-present
Jackson Hole Fire/EMS, Jackson Hole, WY	2007- present
National Park Service-WASO, Washington, DC	2006-present
Grand Teton National Park, Jackson Hole, WY	2005-present
Teton County Search and Rescue, Jackson Hole, WY	2004-present

Professional

Clinical Faculty Appointments

Stanford Wilderness Medicine Fellowship Department of Emergency Medicine Stanford School of Medicine, Palo Alto, CA	2006 – Present
University of Washington School of Medicine - WWAMI Department of Emergency Medicine, Seattle, WA Clinical Assistant Professor (promoted 2017)	2004 – Present

Medical Journal Peer Review

Journal of Military Medicine	2010 – Present
Journal of High Altitude Medicine & Biology	2010 – Present
Journal of Prehospital Emergency Care	2010 – Present
Journal of Wilderness & Environmental Medicine	2008 – Present

National Committee Appointments

American Heart Association	2008 – 2011; 2014 – 2016
First Aid Writing Group	2015 AHA Guidelines
First Aid Subcommittee member	2010 AHA Guidelines

American Heart Association/American Red Cross 2007 – 2010

International First Aid Science Advisory Board

Member, NAEMSP representative. Developing international recommendations for 2010 ECC/First Aid guidelines.

Publications

Peer Reviewed Articles:

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 2017.

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.

Smith W. Integration of Tactical EMS in the National Park Service. *Wilderness & Environmental Medicine*. 2017;28:S146-153.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

Smith W, Montopoli G, Harlow H, Wheeler A, Byerly A. Mercury Toxicity in Wildland Firefighters. *Wilderness & Environmental Medicine*. 2013;24;141-145.

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.

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.

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.

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:

Smith W, Trentini J. Wilderness Trauma Care. In: *Prehospital Trauma Life Support, 9th ed.* (Pollak A, ed.) National Association of EMTs; in press 2017.

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.

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.

Cooper D, **Smith W**. Chapter 55 – Search and Rescue. In: *Wilderness Medicine, 7th ed.* (Auerbach P, ed.) Elsevier; 2017:1213-1242.

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.

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.

Vines T, Hudson, ed. *High-Angle Rope Rescue Techniques – Levels I & II, 4th ed.* **Smith W** (Contributor and Reviewer). Jones & Bartlett Learning;2016.

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.

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.

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.

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:

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

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

Smith W. Taking Combat Medicine to the Wilderness & EMS Settings. Poster: Special Operations Medical Association (SOMA) Conference. Tampa, Florida. December 2013

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.

Mistry R, **Smith W**. Photo Abstract Submission – Pediatric Rickets. Society of Academic Emergency Medicine Conference, Orlando, Fl. May 2004.

Professional Memberships

2012 – Present	ISTM – International Society of Travel Medicine
2010 – Present	AAEM – American Academy of Emergency Medicine (fellow)
2008 – Present	SOMA – Special Operations Medical Association
2007 – Present	DAN – Divers Alert Network
2002 - Present	WMS – Wilderness Medical Society (fellow)
2002 – Present	NAEMSP - National Association of EMS Physicians
1997 – Present	ACEP - American College Emergency Physicians (fellow)
1997 – Present	Wyoming Medical Society
1991 – Present	NREMT - National Registry of Emergency Medical Technicians (Paramedic)

Awards

2017 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.

2016 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.

2015 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.

2014 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 in August 2014. Also recognized with Co-Medical Director Dr. AJ Wheeler.

2011 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.

2008 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.

Personal

Hobbies Include: Mountaineering (Mt. Rainier, WA; Orizaba, Mexico; Kilimanjaro, Tanzania), Skiing, Scuba Diving (Australia, New Zealand, Cozumel, Costa Rica, Panama, Easter Island, Hawaii, Wisconsin), Trekking (New Zealand, Peru), Adventure Racing.

International/National Conference Presentations

Medicine in Extremes 2017 Conference: Extreme Cold

January 2017 – Amsterdam, Netherlands

Mountain Medicine – Where Ambulances Can't Go

Ski & Mountain Trauma Conference

November 2017 – Sun Valley, ID

Bringing Combat Medicine to the Wilderness

New and Developing EMS Technology

November 2016 – Sun Valley, ID

Lightning MCI at 13,000 feet

World Extreme Extreme Medicine Expo

November 2017 – Edinburgh, Scotland

Mountain Medicine – Where Ambulances Can't Go 2

Bringing Combat Medicine to the Wilderness

November 2016 – Edinburgh, Scotland

Lightning MCI at 13,000 feet

Search and Rescue Panel Presentation

Mountain Medicine – Where Ambulances Can't Go

Bringing Combat Medicine to the Wilderness

October 2015 – London, UK

Lightning MCI at 13,000 feet

Military Leadership in Emergency Medicine Conference

August 2016 – Joint Base Lewis McChord, Tacoma, WA

Disaster Medicine

September 2015 – Joint Base Lewis McChord, Tacoma, WA

Lightning MCI at 13,000 feet

National Search and Rescue Academy (NSARA)

Remote Medical Responder (1 week of medical training during 5-6 week Academy)

September 2014 – Camp Williams, Flagstaff, AZ

September 2013 – Marine Corps Mountain Warfare Training Center, Bridgeport, CA

September 2012 – Marine Corps Mountain Warfare Training Center, Bridgeport, CA

US Coast Guard - International Ice Rescue & Operations Meeting

February 2014 – Bay City, MI

Search and Rescue/Hypothermia Panel Presentation

International Technical Rescue Symposium (ITRS)

November 2013 – Albuquerque, NM

Lightning MCI at 13,000 feet

Wilderness Risk Management Conference (WRMC)

October 2013 – Jackson, WY

Search and Rescue Panel Presentation

Wyoming Medical Society Annual Meeting

June 2015 – Jackson, WY

Keynote Speaker: *Lightning MCI at 13,000 feet*

Wilderness EMS Medical Director Course, Sponsored by NAEMSP and Wilderness Medical Society

January 2014 – National Association of EMS Physicians Meeting.

Tucson, AZ

January 2013 – National Association of EMS Physicians Meeting.

Bonita Springs, FL

November 2011 – Wilderness Medical Society Meeting. Westin La Poloma Resort,

Tucson, AZ

National Association of EMS Physicians (NAEMSP)

January 2014 – Annual Meeting, Tucson, AZ

At the Edge: Illness at Altitude

May/October 2013 – EMS Board Specialty Review Course (Dallas, TX & Seattle, WA)

January 2012 - Annual Meeting, Tucson, AZ

Medical Oversight for Wilderness EMS

January 2010 - Annual Meeting, Phoenix, AZ

Medical Oversight for Wilderness EMS

January 2008 - Annual Meeting, Phoenix, AZ

To Backboard of Not to Backboard – Spinal Clearance Protocols

Special Operations Medical Association (SOMA)

May 2018 – Charlotte, NC

SOMSA Conference Co-Chair

May 2017 – Charlotte, NC

SOMSA Conference Co-Chair

December 2012 – Tampa, FL

National Search and Rescue Academy (NSARA)

Lightning MCI at 13,000 ft

Remote Medicine – Where Ambulances Can’t Go!

ExpedMed: Expedition & Wilderness Medicine Conference

September 2012 – Washington, DC

Mountain Medicine “Where Ambulances Can’t Go”

Lightning MCI at 13,000 feet

Medical Oversight for Wilderness EMS

Bringing Combat Medicine to the Wilderness

Exum Mountain Medicine CME Conference

September 2012 – Jackson, WY
Taking Combat Medicine to the Wilderness
Lightning MCI at 13,000 ft

Wilderness and Mountain Medicine Conference, Wilderness Medical Society

February 2016 – Canyons Resort, Park City, UT
Lightening Injury & Treatment
Wilderness EMS Update

February 2011 – Canyons Resort, Park City, UT
Grand Teton Lightning Rescue: Medical Director’s Perspective
Get Out! Evacuation in the Wilderness

February 2009 - Canyons Resort, Park City, UT
Overview of Mountain Rescue
Spine Evaluation and Management in the Mountain Environment

February 2008 - Canyons Resort, Park City, UT
SAR Medical Kits
Overview of Mountain Rescue
Improvised Splinting, Litters, and Packaging

Sierra Cascade Trauma Society (SCTS) Meeting

January 2011 – Four Seasons, Teton Village, Jackson, WY
Mountain Medicine – ‘Where Ambulances Can’t Go’

Wilderness Medical Society Annual Meeting

July 2016 – Telluride Mountain Resort, Telluride, CO
Tactical EMS Integration into the NPS
Hemorrhage Workshop
Topics in Mountain Rescue: NPS Cases
New Rescue Technology

July 2009 - Silvertree Resort, Snowmass, CO
SAR Medical Kits
Technical Mountain Rescue and Medical Considerations

July 2008 - Silvertree Resort, Snowmass, CO
Search and Rescue Medical Kits
Knots and Basic Self Rescue Skills Workshop
Medical Direction for SAR, EMS, NPS and Wilderness Medical Groups

July 2007 - Silvertree Resort, Snowmass, CO
Get Out! Evacuation in the Wilderness
Management of Spinal Trauma in the Wilderness

National Conference on Wilderness and Expedition Medicine

October 2010 – Inca Trail/Machu Picchu, Amazon Jungle, Peru
Multiple Topics – 18 hours of CME provided

July 2008 – Big Sky, MT
Combat Medicine

National Outdoor Leadership School (NOLS) – Wilderness Medicine Institute

August 2017 – Lander, WY

How to Build a Career in Wilderness Medicine – My Story

February 2010 - Lander, WY

Bringing Combat Medicine to the Wilderness – Faculty Workshop

EMS Technology for the Wilderness – Faculty Workshop

Colorado Symposium on Emergency Care (CSEC)

June 2012 – Durango, CO

Keynote: Lightning Strike MCI at 13,000 feet

Bringing Combat Medicine to the “streets of EMS”

New & Developing EMS Technologies

June 2010 – Telluride, CO

Bringing Combat Medicine to the “streets of EMS”

Shhh! Don’t Tell the Medical Director – EMS Medical Oversight

To Backboard or Not to Backboard, That is the Question? Selective Spinal Immob.

May 2009 - Telluride, CO

Mountain Medicine – Where Ambulances Can’t Go

Search and Rescue/Wilderness Medical Kits

To Backboard or Not to Backboard, That is the Question? Selective Spinal Immob.

National Park Service EMS Conferences/Workshops

January 2017 – Washington DC

Tactical EMS Review & Update

November 2011 – Grand Canyon, AZ

DARPA/NPS National SAR Academy Overview

March 2011 – Tulsa, OK

Grand Teton Lightning Rescue: Medical Director’s Perspective

2010 AHA CPR and ECC Update

Tactical EMS

February 2010 - Albuquerque, NM

Bringing Combat Medicine to the EMS and Wilderness Settings

January 2008 - NCTC, Shepardstown, WV

New and Developing EMS Technologies

Jackson Hole Fire/EMS Annual Shock/Trauma Conferences (2006-2013)

Jackson, WY

Tactical Combat Casualty Care

Mock Trial – EMS Medicolegal Issues

Fractures & Dislocations and their Reductions

Bringing Combat Medicine to the ‘Streets of EMS’

New and Developing EMS Technology

Shhh! Don’t tell the Medical Director – Overview of EMS Medical Oversight

Pediatric Trauma

To Backboard or Not to Backboard – Selective Spinal Immobilization

Combat Medicine in Iraq

Altitude Illness

Other teaching engagements

Grand Rounds, Invited Academic Teaching

- April 2015 Emergency Medicine Grand Rounds, Louisiana State University,
Atlanta, GA
Mountain Medicine – ‘Where ambulances can’t go’
- January 2015 William Carey University College of Osteopathic Medicine, Hattiesburg, MS
Wilderness Medicine Workshop
- May 2010 Emergency Medicine Grand Rounds, Louisiana State University,
New Orleans, LA
Mountain Medicine – ‘Where ambulances can’t go’
- June 2009 Emergency Medicine Grand Rounds, Medical College of Wisconsin,
Milwaukee, WI
Mountain Medicine
Combat Medicine

University of Washington School of Medicine

Wyoming WWAMI, 1st year Site Laramie, WY

IV, Suture, Intubation Workshops for 1st year Medical Students - yearly 1997-2016

Grand Teton National Park EMS – Jackson, WY

- May 2017 – *Mass Gathering Medicine* – EMS Refresher
- May 2017 - *Tactical EMS/Rescue Task Force* – EMS Refresher
- January 2016 - *AHA 2015 Updates, Avalanche and TQ SAR Reviews* - EMS Refresher
- January 2015 – *Tactical EMS, Old People Medications* – EMS Refresher
- January 2014 – *Tactical EMS, Bear Attack Case Review* – EMS Refresher
- January 2012 – *Excited Delirium and Behavioral Emergencies, Tactical, EMS* – EMS
Refresher
- May 2011 – *Selective Spinal Immobilization, Mock EMS Trial, Wound Management* – EMS
Refresher
- May 2010 – *Tactical EMS* – EMS Refresher
- May 2009 - *EMS Medication Review* – EMS Refresher
- May 2008 - *Medical Emergencies* – EMS Refresher
- May 2008 - *Trauma Overview* – EMS Refresher
- May 2008 - *Selective Spinal Immobilization* – EMS Refresher
- May 2007 - *Medical Emergencies* – EMS Refresher
- May 2007 - *Avalanche Rescue* – QA/Run Review
- June 2006 - *Nuts and Bolts of Trauma* – EMS Refresher
- June 2005 - *Cardiac Rhythms and Transcutaneous Pacing* – EMS Refresher
- June 2005 - *Chest and Abdominal Trauma* – EMS Refresher

Jackson Hole Fire/EMS – Jackson, WY

January 2014 – *Spine Injuries, Environmental Emergencies* – AEMT Class
May 2013 – *EMS Response to Terrorism, Tactical EMS, Environmental Emergencies*
May 2012 – *EMS Response to Terrorism, Tactical EMS* – EMT Class
March 2010 – Patient Assessment – EMT-B Class
November 2009 - *Cardiovascular Emergencies and Medications*
EMT-Intermediate Class
April 2007 - *Environmental Emergencies* – EMT-B Class
April 2006 - *Environmental Emergencies* – EMT-B Class
November 2005 - *Cardiovascular Emergencies and Medications*
EMT-Intermediate Class

Jackson Hole Mountain Resort Ski Patrol – Jackson, WY

November 2017 – *Airway Management with BLS and King Tubes*
November 2015 – *Spinal Motion Restriction* – Annual OEC Refresher
Helicopter Operations – Annual OEC Refresher
November 2009 - *Chest and Abdominal Trauma* – Annual OEC Refresher
November 2006 - *Patient Assessment on the Ski Slope* – Annual OEC Refresher

Wilderness Advanced Life Support (WALS), Wilderness Medical Associates

Sep 2010 – Boothbay Harbor, ME
Bringing Combat Medicine to the Wilderness – Instructor Meeting
Emergency Cardiac Care Update 2010 – Instructor Meeting
July 2009 - Big Sky, MT in conjunction with National Conference on
Wilderness Medicine
May 2009 - Red Lodge, MT
May 2008 - Santa Fe, NM in conjunction with National Conference on
Wilderness Medicine
September 2007 - Dover-Foxcroft, ME
May 2007 - Red Lodge, MT
September 2005 – Crested Butte, CO

St. John's Medical Center – Jackson, WY

March 2016 – *2015 AHA/ACLS Pearls for Physicians* – Med Staff Presentation
March 2011 – *2010 AHA/ACLS Pearls for Physicians* – Med Staff Presentation
March 2009 - *AHA/ACLS Pearls for Physicians* – Medical Staff Presentation
October 2007 - Orthopedic and Trauma in the Tetons Conference Lectures:
Avalanche Injuries and Hypothermia
Factor VIIa
War Injuries
May 2007 - Rapid Sequence Intubation (RSI) In-service
ICU Nursing and Medical Staff
February 2007 - ACLS Pearls for Physicians (2005 AHA Updates)
Medical Staff Presentation
November 2004 - *Rapid Sequence Intubation (RSI)* In-service
ED Nursing and Medical Staff Presentation

United States Army Teaching

July 2016 – *Disaster Medicine*

Grand Rounds, Genesys Regional Medical Center – Flint, MI

July 2014 – *Excited Delirium and Lightning MASCAL at 13,000 feet!*

Grand Rounds, US Military Hospital – Kuwait, Camp Arifjan, Kuwait

October 2011 – *Lightning, SAR, Mountain Rescue*

Special Course for US Army – 18 Delta Medics – Jackson, WY

November 2008 - *Mountain Medicine – Where Ambulances Can’t Go!*

Grand Rounds, 345th Combat Support Hospital, Al Asad Air Base, Iraq

June 2007 - *Chest and Abdominal Trauma*

Grand Rounds, 328th Combat Support Hospital, Camp Parks, CA

March 2006 - *Altitude Illness* – Grand Rounds

344th Combat Support Hospital, Abu Ghraib Prison Hospital, Iraq