



William "Will" R. Smith, MD, EMT-P

President, Medical Director

*Wilderness & Emergency Medicine Consulting (WEMC), LLC*

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## **Education**

- 2001 - 2004      **Medical College of Wisconsin,  
Emergency Medicine Residency**, Milwaukee, WI  
Board Certified Emergency Physician (ABEM)  
Chief Resident, EMS Flight Physician  
International/Ultrasound/EMS Administration Electives  
Hemodynamic Research Field Physician  
EMS On-line/On-scene Medical Control
- 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-Med

**Current Certifications:** Board Certified in Emergency Medicine (ABEM), Fellow of the American College of Emergency Physicians (FACEP), Fellow of the Academy of Wilderness Medicine (FAWM), ACLS Provider/Instructor, PALS Provider/Instructor, ATLS, ABLS, BLS, National Registry of EMTs Paramedic (NREMT-P0884958), Wyoming MD (6990A) and WY DEA license, Wisconsin MD license (44852-020), Federal DEA license

## **Employment**

- 2004 - Current      **Emergency Department Physician**  
Board Certified Emergency Medicine (ABEM)  
St. John's Medical Center, Jackson, WY  
Chair, Quality Performance Monitoring Committee  
Resident/Student Elective Co-Coordinator  
Past Chair, Emergency Services Committee  
Clinical Faculty, University of Washington School of Medicine

- 2001 - Current      **United States Army Reserve - 328<sup>th</sup>CSH**, Salt Lake City, UT  
Emergency Medicine Physician (62A), Rank: Major - Medical Corps  
Dec 2005 - Mar 2006, Iraq Deployment to Combat Support Hospital  
Oct 2007 - Nov 2007, Egypt Bright Star Deployment to Aid Station  
Oct 2008 - Jan 2009, Iraq Deployment to Combat Support Hospital  
September 2009, El Salvador Medical (MedRete) Mission  
April 2010, Panama Medical (MedRete) Mission  
June 2011, Croatia Medical Mission - Pending deployment
- 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

### **Extracurricular**

- 2011 - Present      **Interim Medical Advisor**, Yosemite National Park
- 2010 - Present      **Medical Advisor**, Coronado National Memorial and Southeast  
Arizona National Park Group - US/Mexico Border with tactical EMS  
training and missions.
- 2010 - Present      **Peer Reviewer**, Journal of High Altitude Medicine & Biology
- 2010 - Present      **Peer Reviewer**, Journal of Prehospital Emergency Care
- 2008 - Present      **Peer Reviewer**, Journal of Wilderness & Environmental Medicine
- 2008 - Present      **American Heart Association**  
**First Aid Subcommittee member**
- 2007 - 2010      **American Heart Association/American Red Cross**  
**International First Aid Science Advisory Board**  
Member, NAEMSP representative. Developing international  
recommendations for 2010 ECC/First Aid guidelines.
- 2007 - Present      **Medical Director**  
Jackson Hole Fire/EMS, Jackson Hole, WY
- 2007 - Present      **Wilderness Advanced Life Support (WALS) Instructor**  
Wilderness Medical Associates, Portland, ME

- 2006 - Present      **Clinical Faculty - Stanford Wilderness Medicine Fellowship**  
Department of Emergency Medicine  
Stanford School of Medicine, Palo Alto, CA
- 2005 - Present      **EMS Medical Advisor**  
Grand Teton National Park, Moose, WY  
National Park Service EMS Advisory Council
- 2005 - Present      **Clinical Faculty - University of Washington**  
**School of Medicine**  
Division of Emergency Medicine, Seattle, WA
- 2004 - Present      **Medical Director and Team Leader**  
Teton County Search and Rescue, Jackson Hole, WY
- 2001 - 2004        **Emergency Medicine Resident Association Representative**  
Medical College of Wisconsin, Milwaukee, WI

### **Research**

- 2007 - 2009        **A Proposal to Study Mercury Toxicity in Wildland Firefighters. Smith W, Motopoli, G Harlow H, et. al.**  
Research completed, Publication in Progress.
- 2002-2004        **EMS Research. Smith W, Rubin J.** Should transcutaneous cardiac pacing (TCP) be performed in an urban Emergency Medical Services (EMS) system? - NAEMSP Poster Presentation, Naples, FL. Jan 2005.
- 1998 - 2000        **EMS Research Intern**, King County EMS, Seattle, WA  
Linda Culley MS - Pre-Hospital EMS / 911 Systems
- 1993 - 1995        **Undergraduate Research Assistant**, University of Wyoming  
Ivan Kaiser PhD - Molecular Biology  
Dale Isaac PhD - Immunology

### **Publications**

**Smith W, Montopoli G, Harlow H, Wheeler A, Byerly A.** Mercury Toxicity in Wildland Firefighters. *Wilderness and Environmental Medicine*. Submitting for publication 2011.

Zafren K, McCurley L, Shimanski C, **Smith W.** Chapter 18 - Technical Rescue, Self-Rescue, and Evacuation. *Auerbach Wilderness Medicine*. In press 2010. Reed/Elsevier.

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.

Millin M, Hawkins S, **Smith W**. Chapter 19 - Wilderness EMS. Medical Oversight of EMS. Bass et. al. 2009. p 229-238. NAEMSP/Mosby.

**Smith W**, Rubin J. "Should Transcutaneous Cardiac Pacing be Performed in an Urban EMS System?" Abstract 96, *Pre-Hospital Emergency Care*, Jan/Mar 2005; Volume 9, Number 1.

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

**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: 169-173.

**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; Volume 5, Number 2.

### **Professional Memberships**

2010 - Present	AAEM - American Academic of Emergency Medicine (fellow)
2007 - Present	<b>DAN</b> - Divers Alert Network
2002 - Present	<b>WMS</b> - Wilderness Medical Society (fellow)
2002 - Present	<b>NAEMSP</b> - National Association of EMS Physicians
1997 - Present	<b>ACEP</b> - American College Emergency Physicians (fellow)
1997 - Present	<b>Wyoming Medical Society</b>
1991 - Present	<b>NREMT</b> - National Registry of Emergency Medical Technicians (Paramedic)

### **Personal**

Medical Spanish

Hobbies Include: Mountaineering (Mt. Rainier, Washington; Orizaba, Mexico)  
 Rock Climbing (Grand Teton and Devil's Tower, Wyoming), Skiing,  
 Scuba Diving (Australia, New Zealand, Cozumel, Panama, Easter  
 Island, Hawaii, Wisconsin), Ice Hockey, Trekking (New Zealand,  
 Peru), Adventure Racing

### **References**

Available on Request

## **Presentations**

### **National Conference Presentations**

#### **National Association of EMS Physicians (NAEMSP)**

January 2010 - Annual Meeting, Phoenix, AZ

*Medical Oversight for Wilderness EMS*

January 2008 - Annual Meeting, Phoenix, AZ

*To Backboard or Not to Backboard - Spinal Clearance Protocols*

#### **Wilderness and Mountain Medicine Conference, Wilderness Medical Society**

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*

#### **Wilderness Medical Society Annual Meeting**

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

July 2008 - Big Sky, MT

*Combat Medicine*

#### **Sierra Cascade Trauma Society (SCTS) Meeting**

January 2011 - Four Seasons, Teton Village, Jackson, WY

*Mountain Medicine - 'Where Ambulances Can't Go'*

#### **National Park Service EMS Conferences/Workshops**

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, Shepardsstown, WV

*New and Developing EMS Technologies*

### **National Outdoor Leadership School (NOLS) - Wilderness Medicine Institute**

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 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 Immobilization*

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 Immobilization*

### **Jackson Hole Fire/EMS Annual Shock/Trauma Conference**

April 2009 - Jackson, WY

*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*

April 2008 - Jackson, WY

*Pediatric Trauma*

*To Backboard or Not to Backboard - Selective Spinal Immobilization*

April 2006 - Jackson, WY

*Combat Medicine in Iraq*

*Altitude Illness*

### **Other teaching engagements**

#### **Grand Rounds, Academic Teaching**

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 Site, Laramie, WY**

IV, Suture, Intubation Workshops for 1<sup>st</sup> year Medical Students - yearly 1997-2011

**Grand Teton National Park EMS - Jackson, WY**

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**

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  
March 2005 - *Chest and Abdominal Trauma* - Monthly Training

**Teton County Search and Rescue - Jackson, WY**

March 2007 - *Environmental Emergencies* - Team Training

**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 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**

November 2008 - *Mountain Medicine - Where Ambulances Can't Go!*  
Grand Rounds, 345<sup>th</sup> Combat Support Hospital, Al Asad Air Base, Iraq

June 2007 - *Chest and Abdominal Trauma*

Grand Rounds, 328<sup>th</sup> Combat Support Hospital, Camp Parks, CA

March 2006 - *Altitude Illness* - Grand Rounds

344<sup>th</sup> Combat Support Hospital, Abu Ghraib Prison Hospital, Iraq

**Jackson Hole Mountain Resort Ski Patrol - Jackson, WY**

November 2009 - *Chest and Abdominal Trauma* - Annual Refresher

November 2006 - *Patient Assessment on the Ski Slope* - Annual Refresher