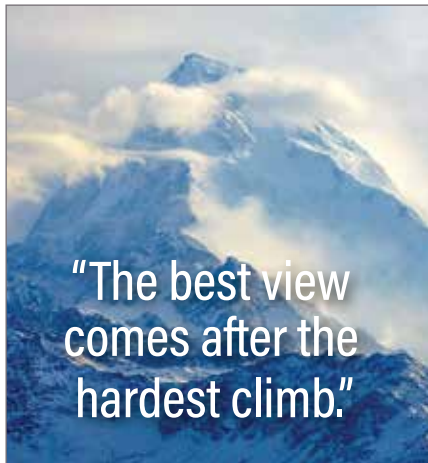




EMERGENCY MEDICINE CONFERENCE

T W E N T Y T W E N T Y T W O



FROM THE BASE TO THE SUMMIT

April 28 - 30, 2022

ISU POND STUDENT UNION, POCA TELLO, IDAHO



**Idaho State
University**
Continuing Education
and Workforce Training

 **Portneuf**
MEDICAL CENTER





EMC2022

Welcome to ISU's Annual Emergency Medicine Conference!

The conference was developed to provide EMTs, paramedics, first responders, nurses, and other direct-care workers with up-to-the-minute information on a wide variety of topics in emergency medicine.

Presenters for this year's conference were selected based on expertise in an area of practice and their ability to convey current, evidence-based, practical information on their area of emergency medicine. The conference format includes lectures, keynote speakers, smaller group breakout sessions, case studies, practical exercises, simulations, and question-and-answer sessions. **We're glad you were able to join us!**

Keynotes



Dr. **PETER ANTEVY, MD**

Pediatric Emergency Medicine (EM) physician at **Joe DiMaggio Children's Hospital**

Board-certified in pediatrics, emergency medicine and the complex subspecialty of EMS, Dr. Antevy is also the founder and chief medical officer of Handtevy - Pediatric Emergency Standards, Inc., and he serves as the Medical Director for Davie Fire Rescue, Coral Springs-Parkland Fire Rescue, Southwest Ranches Fire Rescue and MCT Express, all in South Florida. Dr. Antevy also serves as Associate Medical Director for several other agencies including Palm Beach County, Florida and he is also the longstanding medical director for two highly-regarded paramedic training programs as well as several mobile integrated healthcare (MIHC) programs in greater Broward County, Florida.



Dr. **WILL SMITH, MD, Paramedic, FAEMS**

EMS and Emergency Medicine physician and Medical Director, **US National Park Service**

Dr. Smith also serves as the Co-Medical Director and EMS Physician for Grand Teton National Park, Teton County Search & Rescue, Bridger Teton National Forest, and Jackson Hole Fire/EMS. He serves as a Colonel in the U.S. Army Reserve Medical Corps, practicing medicine around the world on 6 continents, from the 'Baghdad ER' to Easter Island. His combat experience combined with his pre-hospital EMS experience as a Paramedic, and his technical Search and Rescue skills have led to numerous speaking engagements at Wilderness and EMS conferences and seminars around the world. He founded and runs Wilderness and Emergency Medicine Consulting (WEMC). More information can be found at www.wildernessdoc.com



WAYNE A. DENNY, MA

Bureau Chief, **Idaho Bureau of EMS and Preparedness**

Wayne is the Chief of the Idaho Bureau of Emergency Medical Services and Preparedness. He has been with the Bureau since January 2005 and managed both the EMS Systems Development and EMS Standards & Compliance Sections prior to being promoted to Bureau Chief in 2011. Prior to working at the bureau, he spent 21 years in uniform, serving in the U.S. Army Medical Command in a variety of units and positions.

Presenters

DR. JORGE DE AMORIM FILHO, MD

General and Trauma Surgeon, **Portneuf Medical Center**

Dr. Amorim, born and raised in Sao Paulo, Brazil, is a board certified general and trauma surgeon. He attended the University of Utah where he earned his bachelor's degree in biology (with a minor in chemistry); He completed medical school and residency at the University of Utah.

PHILIP ASHCRAFT, RN, AEMT

Cath Lab, **EIRMC**

Philip began as an EMT in 2005, went on to earn an associate degree in Nursing in 2013, and started working at Portneuf in the ER. During that time, he completed his BSN (by end of 2014), and after 3 years at Portneuf, went to EIRMC, working in the ICU. He spent 2 years in the ICU before going to work in the EIRMC Cath Lab.

ALEX BRINGHURST, CRNA, MSN

Anesthesiologist, **SEI Anesthesia**

Alex has worked with SEI Anesthesia since 2005, providing anesthesia at PMC and Rocky Mountain Surgery Center. His professional emphasis is on ultrasound guided regional anesthesia. He graduated with his BSN from Idaho State University in 2000 and attended Nurse Anesthetist training at University of Kansas Medical Center and Bryan/LGH College of Health Sciences in Lincoln, Nebraska Graduating in 2005.

DILLON BROCK

Public Safety Program Manager, **College Southern Idaho/Brock Encore Consulting**

Dillon hails from the rolling hills of East Tennessee. He is the Program Director of EMS and Fire Science at the College of Southern Idaho with experience as a Critical Care Paramedic working in rural and urban settings. Dillon's specialized interest are in productivity, organizational leadership, and teamwork.

DR. DAN CASEY, MA EdD. B.C.E.C.R., B.C.S.C.R., C.A.T.S.M., C.E.T.S.

Dr. Casey is a master Certified Traumatologist, Licensed Social worker, Licensed Alcohol and Drug Counselor. He is a Certified Trainer for the International Critical Incident Stress Foundation. Dan is a Site Director, Board Member, and past Executive Director of Green Cross Academy of Traumatology, is an active member of 3 local CISM teams, and author of 3 books on crisis and trauma.

MICK COWARD, PARAMEDIC

Pocatello Fire Dept. and Bannock County Ambulance

Mick is a CPR and EMS Instructor, coordinating and instructing courses for the Pocatello Fire Department/Bannock County Ambulance and volunteer agencies. Mick earned a Bachelor of Science Degree in Marine Engineering from the US Merchant Marine Academy, and is a graduate of Navy Nuclear Power School.

DR. EMILY DAVIS, MD, MPH

Family Medicine Residency/Wilderness Medicine Residency PGY-2, **Idaho State University**

Dr. Davis developed her love for wilderness medicine when living on the Wild Coast in South Africa. She returned to the United States to complete her medical education at Washington University in St. Louis School of Medicine.

CHIEF ERIC DAY

EMS Chief, **Idaho Falls Fire Department**

DR. DAVID FRANCIS

Director Point-of-Care Ultrasonography Partner; Rocky Mountain Physician Group Affiliate Professor, **ISU**

Dr. Francis is board-certified in Emergency Medicine and is actively involved in teaching and training point-of-care ultrasound in emergent diagnostic and procedural-guidance. He graduated with honors from Brigham Young University receiving his Bachelor of Science in Neuroscience. He then completed medical school training at Pennsylvania State University College of Medicine. Dr. Francis then completed residency training at North Shore University Hospital in Manhasset, New York in Emergency Medicine where he served as chief resident his final year. Upon completion of residency training, he completed a fellowship at Stanford University in Stanford, California in Point-of-Care Ultrasound.

MALLORY JOHNSON

Health Education Specialist

Mallory is a Health Education Specialist Senior through Eastern Idaho Public Health in Idaho Falls. Mallory was a crucial player in standing-up Idaho Falls FD's naloxone leave-behind program.

DR. RICHARD "JACK" JOHN, DO

Family Medicine Residency/Advanced Surgical Obstetrics Training Track/Wilderness Medicine Area of Concentration PGY-2, **Idaho State University**

Dr. John gave 5 years of military service prior to medical school. He is now a chief resident and enjoys using his Spanish language skills in patient care.

KARYN KERSHAW, MPH

State of Idaho Public Health Analyst

Karen's position is part of the Overdose Response Strategy (ORS), helping communities reduce fatal and non-fatal drug overdoses by connecting public health and public safety agencies, sharing information, and supporting evidence-based interventions.

JUSTIN KING

Firefighter/Paramedic, **Idaho Falls Fire Department**

Justin is a third generation Firefighter and serves on the USAR team, Hazmat team and Wildland team. He is a IFSAC evaluator with the state of Idaho, and a state fire instructor. He specializes in basic and heavy extrication and is currently one of only a handful of instructors in the state of Idaho qualified to teach heavy extrication.

DR. MICHAEL LEMON, DO
EIRMC

Dr. Lemon earned his Bachelor of Science degree in biology with minors in statistics and chemistry from Utah State University. He completed his medical degree at the Arizona College of Osteopathic Medicine at Midwestern University in Glendale, AZ and his General Surgery residency at the University of Kansas School of Medicine in Wichita, KS.

DR. LANCE LONGMORE, DO, FACC
Cardiologist and Cardiac Electrophysiologist

Dr. Longmore is a clinical cardiologist and cardiac electrophysiologist with extensive and broad training in the diagnosis, prevention, and treatment of cardiovascular disease. He is board certified in cardiology and internal medicine, clinical cardiac electrophysiology, and nuclear cardiology. His practice also includes diagnosis, medical management, and ablation treatment of arrhythmias and implantation of pacemakers and defibrillators.

SUSAN MARION, PhD
Faculty, Department of Biological Sciences, ISU

Dr. Marion teaches Anatomy and Physiology, prepares prosections, and studies the effects of hippotherapy on the kinematics of seated balance. She received a PhD in Anatomy from the University of North Dakota, her home state, and a second PhD in Biomedical Engineering from the University of California, Davis.

HEATHER MCGEEHAN, RN
Stroke Coordinator, Portneuf Medical Center

DR. ALISON MCINTURFF, MD
Pocatello Children's Clinic

LUKE NELSON, PA-C, DIMM
Owner of Alpine Endurance Medicine, a wilderness medicine and consulting firm; Medical Director OARS

Luke is a Ski Patroller, heavily involved in education of patrollers in the fields of Outdoor Emergency Care, Avalanche, and Mountain Travel and Rescue. Partner at Idaho Sports and Spine.

JATHAN NALLS, BS, NRP, FP-C
Systems of Care Program Manager in the Idaho Bureau of EMS and Preparedness

Jathan has been an EMS provider for 20 years. He cut his teeth in a high-volume 911 service in South Carolina and has worked as a Critical Care Flight Paramedic in Alaska, Oregon, and Idaho. He is also a certified EMS instructor.

DR. DAVID PARRY, MD
Pocatello Allergy and Asthma Clinic

Dr. Parry is a board certified allergist/immunologist and has practiced in Southeast Idaho for almost 25 years. He enjoys taking care of patients of all ages with a wide range of complex allergy and immunology issues. He has particular interest and expertise in the areas of asthma (including severe asthma and COPD), anaphylaxis, food allergy, hay fever, hives, insect stings, drug allergy, atopic dermatitis, and immunodeficiency.

JON POLITIS, MPA, NRP
EMS Educator and Consultant

Jon is a retired chief of the Colonie EMS Department in upstate New York. Active as an EMT since 1971, he has been a career firefighter, state EMS training coordinator for two states (Vermont and New York), and a paramedic training program coordinator. He is the author of numerous publications and stays active in the field as a paramedic, ski patroller, EMS and rescue instructor, and volunteer fire chief for the Verdoy (N.Y.) Fire District. He is also the owner of an EMS leadership consulting company.

STACY ROSENCRANS
Optum

DR. CURTIS SANDY, MD FACEP FAEMS
Director of EMS, Portneuf Medical Center

Dr. Sandy is an emergency medicine and EMS physician at Portneuf Medical Center in Pocatello. He is board-certified in Emergency Medicine with a sub-board certification in EMS. He has over 37 years of EMS experience as an EMT, paramedic, flight physician, tactical physician and EMS medical director. He is the medical director for several EMS agencies throughout Idaho as well as the EMT program at ISU and paramedic program at the College of Southern Idaho. He is a founding member and current chair of the Idaho EMS Physician Commission, member of the Idaho TSE Council and state EMSAC. He has special interest and expertise in operational EMS including tactical medicine and wildland fire medical operations.

CAMI TAYSOM, RN, CEN, CPEN
Portneuf Medical Center; Instructor, NOLS Wilderness Medicine

Cami works as an Emergency Nurse and Diabetes Educator at Portneuf Medical Center. Cami considers working with people who have diabetes and teaching Wilderness Medicine for NOLS as her most fulfilling and rewarding jobs.

LANCE TAYSOM, RN, CEN, CFRN, EMT-P
Flight Nurse/Paramedic, Air Idaho Rescue; Instructor, NOLS Wilderness Medicine

Lance works with EMS providers of all levels, teaching outdoor survival skills, and developing wilderness patient-care protocols for outdoor schools, wilderness therapy programs, and outdoor guiding companies. Lance works seasonally volunteering for the National Park Service on Denali.

DR A.J. WEINHOLD, MD, FAAFP FAWM
Associate Program Director Idaho State University Family Medicine Residency Program, Idaho State University

Dr. Weinhold developed the Wilderness Medicine Area of Concentration within the ISU Family Medicine Residency Program. She is the Medical Advisor for the Pebble Creek Ski Patrol and Medical Director for the Scout Mountain Ultra's. She completed a Fellowship in the Academy of Wilderness Medicine.



Schedule of Events

THURSDAY, APRIL 28

Emergency Medicine: From the Base to the Summit PRE-CONFERENCE

THURSDAY, APRIL 28 – AT A GLANCE

7:30 – 8:00 am	CHECK IN	ISU Pond Student Union					
		BALLROOM	THEATRE	LITTLE WOOD RIVER	SALMON RIVER SUITE		
8:00 – 12:00 pm	SESSION 0			Handtevy Instructor Training (limited space: first come/served)	Mental Health First Aid for Fire/EMS providers (section one) FREE		
12:00 – 1:00 pm	LUNCH (ON OWN)						
1:00 – 5:00 pm	SESSION 00			Handtevy Instructor Training (continued)	Mental Health First Aid for Fire/EMS providers (section two) FREE		

7:30 pm – 8:00 pm PRE-CONFERENCE CHECK IN

8:00 am – 5:00 pm

Handtevy Instructor Training by the Handtevy Team

The Handtevy Pre-Hospital Pediatric Instructor Course is an 8-hour live lecture and hands-on course that is intended to certify instructors to teach the Handtevy Pre-Hospital Pediatric Provider Course at their department and earn credits. The course uses the basic tenets of ACLS training as the foundation while still covering the basic pediatric ALS principles and nuances. The course focuses on the skills needed to rapidly and accurately treat the sick and injured pediatric patient.

COURSE CONTENT:

- Key principles in pediatric advanced life support geared towards pre-hospital providers
- Systematic approach to pediatric assessment with a scientific explanation of the difficulties associated with pediatric care
- Overcoming the emotional hurdles associated with pre-hospital pediatric care
- Recognition and management of respiratory, shock and cardiac emergencies
- Medication principles including dosing, administration, and error prevention
- Effective communication as a member and leader of a pre-hospital team
- In depth description of Course administrative responsibilities including provision of CEUs.

8:00 am – 12:00 pm [SECTION ONE]

Mental Health First Aid for Fire/EMS Providers by Stacy Rosencrans

[FREE TRAINING - Limit: 25 participants per section]

Mental Health First Aid for Fire and EMS is a **4 hour training** that focuses on the unique experiences and needs of firefighters and EMS personnel and is a valuable resource that can make a difference in their lives, their families' lives and the communities in which they live. Firefighters and EMS workers learn about the importance of early intervention and how, as first responders, they can intervene in the field and provide direct assistance to someone who is experiencing a mental health challenge or crisis.

1:00 pm – 5:00 pm [SECTION TWO]

Mental Health First Aid for Fire/EMS Providers by Stacy Rosencrans

[FREE TRAINING - Limit: 25 participants per section]



Schedule of Events

FRIDAY, APRIL 29

Emergency Medicine: From the Base to the Summit

FRIDAY, APRIL 29 – AT A GLANCE

7:30 – 8:30 am	CHECK IN	ISU Pond Student Union					
8:30 – 9:30 am	SESSION 1	KEYNOTE: Dr. Peter Antevy - “Treating Kids like Little Adults: A Paradigm shift in Pediatric Care” (Ballroom)					
		BALLROOM	THEATRE	LITTLE WOOD RIVER	SALMON RIVER SUITE	DRIVING SIM	CADAVER LAB
9:30 – 10:30 am	SESSION 2		Scaling the STEMI Cliff <i>Philip Ashcraft</i>	Pediatric Tips & Tricks <i>Dr. Antevy</i>	Traversing the Tough Stuff <i>Stacy Rosencrans</i>	Ambulance/Fire SECTION 01	
10:30 – 10:45 am	BREAK						
10:45 – 11:45 am	SESSION 3		Top EMS Trends 2022 <i>Dr. Sandy</i>	Mastering Triage! <i>John Politis</i>	Stroke Updates <i>Heather McGeehan</i>	Ambulance/Fire SECTION 02	
11:45 – 1:15 pm	SESSION 4	Lunch and Learn (lunch provided): State of the State EMS featuring Wayne Denny (Ballroom)					
1:15 – 2:15 pm	SESSION 5		EMS Best Practices for STEMI Patients <i>Jathan Nalls</i>	Burns and Beyond <i>Dr. Michael Lemon</i>	EMS PEARLS for Extrication <i>Justin King</i>	Ambulance/Fire SECTION 03	Cadaver Lab <i>Susan Marion, Dr. Curtis Sandy</i> SECTION 01 (Sessions 5 & 6)
2:15 – 2:30 pm	BREAK						
2:30 – 3:30 pm	SESSION 6		Taking Stock of Taking Charge <i>John Politis</i>	No Pulse- Now What? <i>Mick Coward</i>	Drug Overdose Prevention <i>Kershaw / Day / Johnson</i>	Ambulance/Fire SECTION 04	
3:30 – 4:30 pm	SESSION 7		TRANSciever <i>Dillon Brock</i>	Medical Errors+Decision Making Strategies <i>Dr. Will Smith</i>	Point Of Contact Ultrasound <i>Dr. Francis</i>	Ambulance/Fire SECTION 05	

7:30 am – 8:30 am CONFERENCE CHECK IN

AMBULANCE/FIRE DRIVING SIM provided by **CEI Fire Service Technology** and **Idaho EMS**. [5 Sections Today—Limit 8 per]
Ten sessions available throughout the conference. Practice driving a Ford F-450 and a Spartan Chassis fire engine. Equipped with hundreds of typical emergency vehicle driving scenarios, trainees drive in an animated city to a burning building, hospital or other emergency situation, while adjusting to severe weather conditions and avoiding crazy drivers who run red lights. The cab moves and shakes and makes the driver feel as if they're pulling a heavy load as they turn and stop.

8:30 am – 9:30 am [SESSION 1]

KEYNOTE: **Dr. Peter Antevy** - "Treating Kids like Little Adults: A Paradigm shift in Pediatric Care"

9:30 am – 10:30 am [SESSION 2]

Pediatric Tips and Tricks by **Dr. Peter Antevy**

Case Studies—Tips on assessments, treatment tips, cardiac arrest management and more!

Traversing the Tough Stuff - BLS/ALS by **Stacy Rosencrans**

Scaling the STEMI Cliff by Philip Ashcraft

Signs and symptoms of heart attack particularly STEMI. Proper care and treatment of coronary artery disease in the Cath lab. We will delve into case studies including images of what blocked coronary arteries look like and how we address those issues in a cardiac Cath Lab.

10:30 am - 10:45 am [BREAK]

10:45 am - 11:45 am [SESSION 3]

Mastering Triage! by Jon Politis

All EMTs are supposed to know how to triage people but most are very rusty in how to actually do it. The new national standard is evidence-based SALT triage. This session covers the principles of triage, conventional and SALT triage and how to use tagging systems. It also includes two triage drills to involve the audience and have them practice what they have just learned.

Lights and Sirens to Airway Management: Exploring the Top EMS Trends for 2022 by Dr. Curtis Sandy

EMS medicine is constantly undergoing adjustment and refinement. Recent literature, policy statements and experience from a worldwide pandemic have provided EMS personnel and agencies with opportunity to adjust the delivery model of EMS and refine treatment guidelines. This session will review and discuss some of the leading articles and policies that have already had an impact on EMS medicine across the country.

What's New on the Horizon: Stroke Updates by Heather McGeehan

Let's talk about Stroke basics such as risk factors, and stroke recognition. We will discuss the use of tPA vs tNK and will review Thrombectomy.

11:45 am - 1:15 pm LUNCH PROVIDED [SESSION 4]

Reserve your lunch through our online registration. Contact CEWT at 208-282-3372 with any food allergy concerns.

Lunch and Learn [12:00 - 1:00 pm]: State of the State EMS by Wayne Denny

1:15 pm - 3:30 pm [SESSIONS 5 & 6]

Cadaver Lab Demonstration by Dr. Curtis Sandy, Dr. Susan Marion, and ISU Biology Department

A visual tour through the anatomy of the human body. This session will review external and internal structures and organs. Discuss the impact of the most common penetrating and blunt injuries to the internal organs, impact of crush injuries. Identify landmarks for I/O, Cricoidectomy, needle decompression.

1:15 pm - 2:15 pm [SESSION 5]

EMS Best Practices for STEMI Patients by Jathan Nalls

This discussion will provide a basic overview of current best practices for EMS providers of all clinical levels when treating ACS and STEMI patients, especially those providers operating in rural locations where longer transports are routine. Subjects discussed will include basic pathophysiology of ACS and STEMI, basic introduction to the 12-lead ECG, emerging evidence in field treatment of STEMI, EMS transport considerations, and a brief description of definitive care treatments for STEMI.

Conquering the Mountain: Burns and Beyond by Dr. Michael Lemon

EMS PEARLS for Patient Care During the Extrication Event by Justin King

EMS PEARLS for patient care during the extrication event. This presentation will cover: roles, safety precautions and pertinent key points to remember, to safely implement patient care before, during, and after extrication of the patient.

2:15 pm - 2:30 pm [BREAK]

2:30 pm - 3:30 pm [SESSION 6]

Taking Stock of Taking Charge.... Field Leadership of Emergency Care (FLEC) by Jon Politis

The only thing worse than nobody in charge are too many providers, all trying to take charge. Effective leadership during clinical care is critical to effective assessment, care and patient outcomes. It's an art that must be developed and honed over time. This session will cover the elements of emergency scene leadership, critical thinking and how to be an effective follower.

CONTINUES

FRIDAY SESSIONS CONTINUE

Partnering First Responders with Public Health to Reduce Drug Overdose by Karen Kershaw; Chief Eric Day

Preventing drug overdose in our communities is a pressing priority for both first responders and public health workers. The Overdose Response Strategy (ORS) is an unprecedented and unique collaboration between public health and public safety, created to help local communities reduce drug overdoses and save lives by sharing timely data, pertinent intelligence and innovative strategies. Karyn Kershaw from the CDC Foundation will provide an overview of the ORS team in Idaho, the current illicit drug supply, and harm reduction strategies for first responders. Chief Eric Day will highlight Idaho Falls Fire Department's naloxone leave-behind program, an exciting new program that allows EMS to hand out naloxone to patients or loved ones at the scene of an overdose.

Free Fall Recovery: No Pulse—Now What? by Mick Coward

This session will discuss cardiac arrest survival rates and trends both locally and nationally. We will explore how the response to cardiac arrest has changed over the years, and the things we can do today to optimize our treatment of these patients. Get some hands-on practice with the Lucas Device, Video Laryngoscope, Cardiac Monitor with CPR Feedback on a SIM manikin.

3:30 pm - 4:30 pm [SESSION 7]

ABCDEFast by Dr. David Francis

The indispensable role of the eFAST exam in the primary survey of the trauma patient in identifying: hemoperitoneum, hemopericardium with or without tamponade, pneumothorax, and hemothorax.

Medical Errors and Decision-Making Strategies by Dr. Will Smith

Medical errors in EMS can stem from 3 broad categories: 1) Procedural, 2) Affective, 3) Cognitive. Recognizing these errors and personal biases, as well as applying different decision-making strategies can reduce and prevent such cases. Crew resource management (CRM) and other systems of care approaches will be discussed to not only prevent and/or reduce EMS medical errors, but often times improve patient satisfaction, while providing optimal patient care. The session will be an interactive discussion with significant audience participation. Medical scenarios blended from instructor and student cases will give a framework for the discussion and provide lessons learned.

TRANSceiver by Dillon Brock

Focused on positive patient outcomes, this lecture will guide you on the treatment of Transgender and Non-Binary patients in the emergency settings. Starting from a base knowledge, we engage with best practices that lead to positive outcomes and better patient satisfaction.





Schedule of Events

09

SATURDAY, APRIL 30

Emergency Medicine: From the Base to the Summit

SATURDAY, APRIL 30 – AT A GLANCE

8:00 - 8:30 am	CHECK IN	ISU Pond Student Union					
		BALLROOM	THEATRE	LITTLE WOOD RIVER	SALMON RIVER SUITE	DRIVING SIM	CADAVER LAB
8:30 - 9:30 am	SESSION 8		EMS Myth Busters <i>Jon Politis</i>	Airways - BLS <i>Alex Bringham</i>	Trauma Cases <i>Dr. Jorge De Amorim</i>	Ambulance/Fire SECTION 06	Cadaver Lab <i>Susan Marion, Dr. Curtis Sandy</i> SECTION 02 (Sessions 8 & 9)
9:30 - 10:30 am	SESSION 9		Stayin' Alive Cardiac Emergencies - BLS <i>Dr. Lance Longmore</i>	Airways - ALS <i>Alex Bringham</i>	Diabetic Emergencies <i>Cami Taysom</i>	Ambulance/Fire SECTION 07	
10:30 - 10:45 am	BREAK						
10:45 - 11:45 am	SESSION 10		Shock to the Heart Sudden Cardiac Death - ALS <i>Dr. Lance Longmore</i>	Pediatric Trauma <i>Dr. Jorge De Amorim Dr. Alison McInturff</i>	Recognizing Anaphylaxis <i>Dr. David Parry</i>	Ambulance/Fire SECTION 08	
11:45 - 12:30 pm	LUNCH	(Provided by the Vendors)					
12:30 - 1:45 pm	SESSION 11	KEYNOTE: Dr. Will Smith - "Wilderness Emergency Medicine—Where Ambulances Do Not Go"					
1:45 - 2:45 pm	SESSION 12	A Walk in the Park - Case Studies in Trauma <i>Jon Politis</i>		Case Studies in Wilderness Medicine <i>ISU Residency</i>	Rapid Fire Backcountry Patient Assessment <i>Cami and Lance Taysom</i>	Ambulance/Fire SECTION 09	
2:45 - 3:00 pm	BREAK						
3:00 - 4:00 pm	SESSION 13	UAS Increasing SAR Response Capability <i>Dr. Will Smith</i>		Canal Street Avalanche <i>Dr. AJ Weinhold Luke Nelson</i>	Improvised Splinting for Backcountry Rescue <i>Cami and Lance Taysom</i>	Ambulance/Fire SECTION 10	
4:00 - 5:00 pm	SESSION 14	Closing Session: Base to Summit - Dillon Brock					

8:00 am - 8:30 am CONFERENCE CHECK IN

AMBULANCE/FIRE DRIVING SIM provided by CEI Fire Service Technology and Idaho EMS. [5 Sections Today—Limit 8 per]

8:30 am - 10:30 am [SESSIONS 8 & 9]

Cadaver Lab Demonstration by **Dr. Curtis Sandy, Dr. Susan Marion, and ISU Biology Department**

A visual tour through the anatomy of the human body. This session will review external and internal structures and organs. Discuss the impact of the most common penetrating and blunt injuries to the internal organs, impact of crush injuries. Identify landmarks for I/O, Cricoidectomy, needle decompression.

8:30 am - 9:30 am [SESSION 8]

Trauma Studies by **Dr. Jorge Amorim**

EMS Myth Busters....Slaying some Sacred Cows of EMS Care by **Jon Politis**

Sometimes our training has failed us by continuing to perpetuate information that isn't entirely accurate or is downright wrong. This clinically focused session will challenge you on many things you thought you knew.... Everything from measuring airways to giving oxygen, spinal care, bleeding control and what heat stroke looks like. Based on evidence-based medicine we will "bust" some long held myths of EMS.

CONTINUES

SATURDAY SESSIONS CONTINUE

Navigating Airways - BLS by Alex Bringham

Dive into basic airway management techniques such as airway manipulation maneuvers and airway adjuncts-OPA, NPA. We will also discuss mask ventilation, and potential anatomical problems. Hands-on practice!

9:30 am - 11:45 am [SESSIONS 9 & 10]

Compassion Fatigue: The Cost of Caring by Dr. Dan Casey

COVID-19 has posed challenges in maintaining strong mental health for first responders across the nation. As a result of increased call volumes and decreased workforce capacity, first responders may experience varying levels of compassion fatigue for patients and loved ones. Compassion Fatigue: The Cost of Caring will identify the mental and physical costs of the crisis work first responders experience on a regular basis. The presentation will provide first responders with information and skills to recognize and respond to feelings of compassion fatigue.

9:30 am - 10:30 am [SESSION 9]

Stayin' Alive: Cardiac Emergencies - BLS by Dr. Lance Longmore

Airways - ALS by Alex Bringham

Get some hands-on practice with advanced airway procedures such as LMA placement and intubation techniques. Special airway considerations will also be discussed.

The Peaks and Valleys of Diabetic Emergencies by Cami Taysom

An estimated 30 million Americans have diabetes (around 1 out of every 10 people). An estimated 7 million of them, however, have not yet been diagnosed. If you were faced with a sick person in the backcountry do you think you would recognize possible diabetes? If your adventure buddy with diabetes begins having problems, do you know what to do? In this lively presentation we explore the basics of the most common endocrine/metabolic disorder in the US. We will discuss current management, common complications, and timely, practical interventions. Directed to the pre-hospital and backcountry medical care providers and anyone who spends time with others in the outdoors.

10:30 am - 10:45 am [BREAK]

10:45 am - 11:45 am [SESSION 10]

Shock to the Heart: Sudden Cardiac Death - ALS by Dr. Lance Longmore

Out on a Limb: Pediatric Trauma - BLS/ALS by Dr. Jorge Amorim; Dr. Alison McInturff

Avoiding the Vertical Drop: Recognizing Anaphylaxis by Dr. David Parry

11:45 am - 12:30 pm

LUNCH [PROVIDED]

Reserve your lunch through our online registration. Contact CEWT at 208-282-3372 with any food allergy concerns.

12:30 pm - 1:45 pm [SESSION 11]

KEYNOTE: Dr. Will Smith - "Wilderness Medicine - Where Ambulances Do Not Go"

1:45 pm - 2:45 pm [SESSION 12]

A Walk in the Park...Case Studies in Trauma by Jon Politis

Off road or backcountry EMS is a different "ball game" and requires an EMT to think differently about response, rationing of care, the method, speed and relative risks of transportation. Trying to respond to an emergency in an austere environment with a standard EMS response can cause major problems for the patient and rescuers. This presentation provides an overview of the response, assessment, patient care and transportation considerations for backcountry rescue. 4 trauma case studies will review assessment, treatment and transportation decisions used in an austere field environment.

Case Studies in Wilderness Medicine by Dr. Emily Davis; Dr. Richard "Jack" John; Dr. A.J. Weinhold

Two 20-minute case studies with time for discussion considering preparation, field assessment, stabilization, treatment, transportation/evacuation in a back-country, pre-EMS setting.

Rapid Fire Backcountry Patient Assessment by Cami Taysom; Lance Taysom

Fun, fast paced drills! You are faced with a series of patients with medical problems. Assume you are away from your ambulance, out in the backcountry, miles from road access. Now someone in your group, or a person you encounter, is presenting with a medical condition. You will only use the patient history portion of the patient assessment system to gather information, make a possible diagnosis, decide on immediate interventions, and develop rescue plans. Providers of all levels will enjoy this challenge. Held indoors, all gear provided. Great acting skills are a must!

2:45 pm - 3:00 pm [BREAK]

3:00 pm - 4:00 pm [SESSION 13]

Unmanned Aerial Systems (UAS)- 'Drones'; Increasing SAR Response Capability by Dr. Will Smith

Unmanned Aerial Systems (UAS), also known as 'Drones' are becoming a useful tool for SAR response when managed appropriately. The ability to leverage this emerging technology with longer battery life and loiter times as well as utilizing the newer optics and infrared capability as well as other sensor platforms can detect lost subjects with growing efficiency. Also, cost can be dramatically lower than traditional other air assets such as helicopters. Safety with deconflicting air space remains paramount, but with appropriate training and organization, this can be done safely. This presentation will discuss concepts of operation and planning to utilize UAS safely in SAR response.

Wilderness Medicine Skills by Cami Taysom; Lance Taysom

Providing care for an injured person in the back country is a challenge. It's hard enough when it's someone you know, add to that: it's cold, dark, and snowing. You have limited gear, and help may be a long time coming. Now is the time to open your skill-tool-box and get to work! In this lively hands-on session, we will explore some basic essential backcountry medical skills including the one-person log roll, improvised cervical collar, hypothermia wrap, and extremity splinting. Whether you are refreshing skills you already know, or learning some new tricks, this session has value for everyone. Held indoors, all gear provided.

Canal Street Avalanche by Luke Nelson; Dr. AJ Weinhold

A discussion of the Pebble Creek Ski Patrol response to the fatal side country avalanche in 2020.

4:00 pm - 5:00 pm [SESSION 14]

CLOSING SESSION: Dillon Brock - Base to Summit





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