



JAN 22 & 23, 2021

VIRTUAL EVENT

**EMS CONFERENCE
GRAND JUNCTION, CO**

16th Annual EMS Conference

presented by Professional EMS Education

The leader in EMS education for Western Colorado

16TH YEAR!

**It's A Virtual
Event!!**

**Conference
Dates**

Friday,

Jan 22nd

&

Saturday,

Jan 23rd

**Nationally
Recognized
Presenters!**

Professional EMS
Education
629 Hudson Bay Dr
Grand Junction, CO
81504

www.proemsedu.com

(970) 254-8135 office
(970) 242-8357 fax

Registrations

Please print legibly or type all information on the registration form. Submit only one form per attendee. Registrations cannot be shared. Registrations will **not** be accepted without accompanying payment information.

Register online! www.proemsedu.com under Upcoming Events! You can download your schedule at any time.

Cancellations

A full refund can be obtained if a cancellation is received no later than Sunday January 17th, if a cancellation is submitted after Monday, January 18, 2020 No refund is issued. There are **NO** refunds for attendee no shows.

CE's

Professional EMS Education, LLC is an approved Colorado Training Group. You can earn approved CEU's for the classes attended at this conference. A total of 16 hours can be achieved if you attend all presentations over the two - day event.

Conference Format

The 2021 EMS Conference will be conducted in a virtual format. The program will be run on Zoom. All participants will get an email invitation for each day of the conference they are registered for.

You do not need to download any programs or apps for the meeting, just follow the link that will be sent; it will put you in a waiting room and we will admit you. (We have found that if you download the application the reception for the presentation tends to be a little better)

Attendance will be verified by signing into the chat box. This will be required for each attendee in order to receive CEU's for every class attended.

Cost

One day attendance will be \$30 / person

Full two - day conference will be \$60 / person

Thank You to our
Conference Sponsors:

Professional EMS Education

St, Mary's Hospital and Medical
Center

Montrose Fire Department

Telluride Fire Protection District

Community Hospital

Colorado Canyons Hospital

University of Colorado Health

Presenters

Nicholas Alfonso, MD UC Health, Assistant Professor Orthopedics,

Clinical Interest for Patients - Complex orthopedic trauma cases.

Care Philosophy - Committed to providing the highest quality professional and ethical care to all patients through integration of comprehensive education and exceptional musculoskeletal research.

Personal Interests - Complex orthopedic trauma cases.

E Stein Bronsky, MD, Dr. Bronsky is the medical director for the Colorado Springs (CO) Fire Department and American Medical Response (AMR) Ambulance Service, El Paso County, CO. He also works as an emergency physician at Centura Health. Dr. Bronsky began his career as an EMT in 1991 and later practiced for several years as a paramedic before attending medical school at Vanderbilt University. He completed his emergency medicine residency and EMS fellowship at Virginia.

Glenn Burket III, DO, Medical Director for Mesa County EMS, Dr. Burket completed medical school at Lake Erie College of Osteopathic Medicine and underwent Emergency Medicine Residency training at Lehigh Valley Health Network in Allentown PA. He then attended the University of North Carolina for EMS fellowship, where he was exposed to a variety of EMS systems, both urban and rural, in addition to working directly with the North Carolina State Highway Patrol providing operational and occupational medical support. He is dually board certified in both Emergency Medicine and Emergency Medical Services by the American Board of Emergency Medicine and has a special interest in airway management, high fidelity simulation, performance under stress, and law enforcement medical support.

Adam Compton, MHS, NREMT-P, BLS, ACLS, PALS Instructor, Primary Instructor Professional EMS Education, Grand Junction, CO. Adam has been teaching in medicine since 2011 for Professional EMS Education. Adam completed his masters' degree in Biomedical Sciences with a focus on clinical human anatomy and physiology. Throughout school Adam taught human anatomy to undergraduate students in a dissection/prosection lab. He is also certified as a NREMT and teaches EMS as a Colorado EMS Primary Instructor. He is a full time member of Lower Valley Fire District in Fruita, Colorado.

Loree Cutts, RN, Flight nurse, St. Mary's Hospital & Medical Center, Grand Junction, CO. Loree has Critical Care experience as a Cardiac nurse, Emergency Department Nurse, and CCU Nurse. She has been teaching at all levels of EMS for the last five years, and is a BLS, ACLS and PALS instructor.

Dave Gilmore, MD, Emergency Department Physician and chief Toxicology St. Joseph Hospital Denver Colorado, Past Oversight Director for American Heart Association Experienced Provider program

Fidel O. Garcia, Paramedic, Nationally recognized presenter, AHA training center coordinator, Owner Professional EMS Education, Grand Junction, CO. Fidel began his career in 1979 in Leadville, Colorado. He began teaching EMS education classes in 1983. Fidel has worked as a medic in prehospital EMS, a flight medic and hospital based EMS agencies. He has been presenting at local, state, regional, national EMS conferences and events for the last 24 years. Fidel is a frequent reviewer of EMS textbooks and is published in textbook and magazine for EMS

Amal Mattu, MD, Dr. Mattu completed an emergency medicine residency at Thomas Jefferson University Hospital in Philadelphia, after which he completed a teaching fellowship with a special focus on emergency cardiology. Since joining the faculty at the University of Maryland in 1996, he has developed an academic niche in emergency cardiology and electrocardiography, and he also enjoys teaching and writing about other topics such as emergency geriatrics, faculty development, and risk management. He currently is a tenured professor and Vice Chair of Emergency Medicine at the University of Maryland School of Medicine.

Anna Mazon RN, BSN, CFRN, Currently a clinical manager for Guardian Flight. RN for 14 years ER and ICU. Flight Nurse for 7 years. Teaching with Fidel for many years.

Scott Nelson, Paramedic, Scott Nelson has been in EMS for more 3 decades. He started as an EMT in Colorado and has worked as a Paramedic in Colorado, Wyoming, and Alaska. He is a Licensed Paramedic and an Advanced Coordinator in Texas. He has been teaching in EMS for more than 2 decades and has a passion for simulation. He is currently the EMS Program Director at Texas Southmost College in Brownsville, Texas.

Sam Slishman, MD, "Dr. Slishman graduated from his emergency medicine residency in 2000 at the University of New Mexico, and has since worked in a wide variety of rural and urban settings. He's worked in ski clinics, on cruise ships and has volunteered in settings like Haiti after the 2010 earthquake as well. In 2003 he founded a nonprofit in Albuquerque called Endorphin Power Company for drug and alcohol rehab, and ran it until 2011. In 2012 he resettled in San Luis Obispo and still covers ER shifts in nearby King City. He and his wife started "Pre-R" as well in 2015 to offer housecalls and telemedicine. Between work and playing with family, Sam also spends a great deal of time tinkering in his garage. And that tinkering led him to become Chief Medical Officer for Rescue Essentials, which is the company he has to thank for bringing a variety of his inventions to market."

Mark Warth, NRP, BHS, Mark is the Medical Program Coordinator for the Colorado Springs Fire Department which is one of the busiest systems in Colorado. He is the Fire-Medial Program Coordinator, providing monthly CE classes for local agencies, renewal courses, and EMS PI program management. He has been involved with EMS for more than 20 years as a course coordinator, university faculty member, guest speaker, EMS training coordinator and EMS coordinator, bringing experience and humor to the classroom.

Arek Wiktor, MD, Board-certified in general surgery as well as surgical critical care, Arek Wiktor, MD, is an innovator in burn care. He has won awards from the Golden Humanism Honor Society, the Arnold P. Gold Foundation, the Denver Academy of Surgery and the Society for Free Radical Biology and Medicine. Well-published in numerous research publications, journals and books, Dr. Wiktor's research interests include acute burn resuscitation, PTSD in burn survivors and education technology in burn care. In his spare time, Dr. Wiktor is involved in various committees and community volunteer activities, and he enjoys pencil-drawing, painting and archery.



CC-1 Opening Presentation: Dr. Mattu: “High Risk Arrhythmias”

Advanced Cardiac Life Support (ACLS) is a course that is well-known to virtually all providers in emergency medicine, and its teachings are often followed dogmatically. However, ACLS is ineffective for several important conditions in emergency medicine and in fact it can be deadly in others. The speaker will discuss some critical pearls and pitfalls in ACLS, a sound understanding of which will save lives.

CC-2 Dr. Wiktor, “Butane Hash Oil Burns”

Following the legalization of marijuana, hash oil production increased. BHO (short for butane-hash oil), is a cannabis concentrate that is produced through extraction of cannabinoids and terpenes from cannabis flowers and trim by using butane, heat and pressure. Manufacturing BHO, is illegal and dangerous due to the flammability of butane. The presentation will review the impact on the burn world, as well as prehospital protocol of burn patients.

CC-3 Loree Cutts, “Improvise, Adapt, & Overcome: Managing the Challenging Traumas”

Join Loree for an in-depth look at several cases of unique traumas with special considerations. From a rooftop rescue to a high-country hiker, we’ll explore the management and care of the acutely injured in a variety of settings.

CC-4 Dr. Alfonso, “Pelvic injuries”

Acute management of pelvic fractures and long bone injuries. The presentation will review accurate diagnosing of compartment syndrome and the concept of damage control orthopedics.

CC-5 Anna Mazon, “Neurologic Emergencies: Managing Head Trauma – Seizures and Spinal Cord Injuries”

Neurologic emergencies are often complex and difficult to identify and manage. During this presentation we will discuss how to identify and manage head trauma, spinal cord injury and seizures

CC-6 Anna Mazon, “OB Emergencies: Knowing What Is Normal and What Is Not!”

OB calls can be very easy and non-complicated. When an OB call goes bad it may have dire results. During this presentation we will discuss normal and abnormal finding in OB calls and how we proceed to manage the situation for the best outcomes

CC-7 Scott Nelson, Straight to the heart of VAD's

This session is appropriate for BLS and ALS providers who wish to know more about ventricular assist devices (VAD). During this session, students will gain an understanding of who might receive a VAD; how a patient may present when the VAD is malfunctioning; and what to do if the VAD fails completely.

CC-8 Fidel Garcia, The Pandemic: COVID-19

Infectious diseases are a prevalent problem we deal with in EMS. COVID –19 has turned the medical world upside down. We will explore the pathophysiology of COVID – 19, discuss patient symptoms and correlate best practice treatment in the prehospital setting.

CC-9 Saturday Opening Dr. Slishman: “Orthopedic Injuries and Shock”

Orthopedic injuries can be severe and lead to shock. This presentation will cover a new way to think about shock using a variety of physics analogies. Allow the provider to have an understanding of the relationships between major orthopedic injuries and shock. The EMS provider will learn about treatment options and devices available to treat orthopedic causes for shock.

CC-10 Adam Compton, “ETC02- Understanding and Using Capnography for best Patient Outcome”

This course is a comprehensive review of not only ETCO₂ waveforms but also the physiology and different pathologic capnography findings. Also covered will be how ETCO₂ monitoring and control can be used therapeutically in an emergency setting. Test your knowledge when given capnography waveforms and then discuss potential causes of that given waveform as well as treatments. Evidence based practice as it pertains to ETCO₂ will be covered in detail and include discussion of multiple studies that have demonstrated efficacy and accuracy of ETCO₂ diagnostics. Designed to be a complex review this course will challenge both ALS and BLS providers knowledge.

CC-11 Dr. Burket III, “Pain is Inevitable, Suffering is Not - Understanding the Importance of Pain Management in EMS”

Dr. Burket will discuss the neurologic, endocrine, and psychiatric mediators of pain response. The EMS provider will develop an assessment of pain in the out of hospital environment and be aware of the complex nature of chronic pain and effective management strategies. EMS providers need to be familiar with and comfortable with both pharmacologic and non-pharmacologic pain interventions while understanding the pharmacology of pain medications and appropriate medications and dosages for different patient populations. The presentation will conclude with the relationship between inadequate pain management and stress injury formation

CC-12 Adam Compton, “Under Pressure: Head Injury, Hemorrhage, and Herniation”

Presented as a review of the protective mechanisms of the brain and what can happen when these are disrupted. The presentation will cover CNS A & P as well as the various head injuries that may present to EMS providers. Clinical manifestations of herniation injuries will be covered including a review of the physiology of Cushing Reflex. The presentation also covers neurologic assessment and current treatment recommendations for head injured patients in the prehospital setting.

CC-13 Mark Warth, Dr. Bronsky, “Pharmacology Challenges in the Prehospital Setting”

Medication administration in the prehospital setting is a complex process full of challenges to safe delivery. Beyond individual practitioner error, there are potential system flaws that, if changed, can set up Paramedics and EMTs for greater success. Join Advanced Medical Life Support (AMLS) authors Dr. Stein Bronsky and Mark Warth, NRP, for a one-hour clinical presentation on addressing pharmacology challenges in the prehospital setting.

CC-14 Mark Warth, Dr. Bronsky “Peri-advanced Airway Hypoperfusion, when C comes before A”

Hypoperfusion is one of three independent adjustable risk factors associated with cardiac arrest related to advanced airway placement. Time is limited when treating a patient with both airway compromise in addition potential hypoperfusion. The clinician has to make a critical decision to begin care that will benefit the patient and not cause any undo harm. For years the prehospital provider has been taught the order of operations in treatment as airway, breathing, and circulation. In the class they will learn that that in certain patient that modality can lead to an increase in poor patient outcomes due. The prehospital provider will learn a new approach to airway management which includes the circulation breathing, airway approach to care focusing on optimization of perfusion and oxygenation.

CC-15 Dr. Gilmore, “ACLS Drugs – A Brief Review of Selected ACLS Drugs”

ACLS medications have been around for years. Dr. Gilmore will discuss the pharmacology aspect of these medications, how they work, why we use them, dosing consideration and potential adverse affects that may have.

CC-16 Dr. Gilmore, “Excited Delirium- Too Much Fun In The Ambulance”

Dr. Gilmore will discuss what “Excited Delirium” is and how we can identify the S / S while understanding the physiologic response the patient is experiencing. You will discuss the etiology, and develop a treatment plan that will be effective and maintain safety for everyone involved.

THANK YOU TO ALL OF OUR SPONSORS



REGISTRATION FORM

Complete this form and mail with payment and or a copy of the purchase order to:
Professional EMS Education - 629 Hudson Bay Drive - Grand Junction, CO 81504
Fax with credit card number or copy of purchase order to (970) 242-8357
Questions: Email lisa@proemsedu.com or call (970) 254-8135

Last Name:	First Name:
Email:	
Mailing Address:	City, State, Zip:
Contact Phone:	Work Phone:
Organization/Affiliation:	

Registration Fees

CONFERENCE	CONFERENCE FEES	Fees	
Friday Conference Fee	Friday ONLY	\$30	\$
Saturday Conference Fee	Saturday ONLY	\$30	\$
Friday & Saturday Conference Fee		\$60	
	Conference Fee	TOTAL	\$

Payment Information

_____ Enclosed is my check for \$ _____ Enclosed is my purchase order # _____ for \$ _____
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Personal Class Schedule

Last Name:	First Name:
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(Please print or type your name and return with your registration form)

CONFERENCE Friday, January 22 & Saturday January 23, 2021

TIMES		FRIDAY PRESENTATIONS	PRESENTERS
0900-1000	C1 <input type="radio"/>	“High Risk Arrhythmias” (1 hr ACS)	Dr. Mattu
1010-1110	C2 <input type="radio"/>	Butane Hash Oil Burns (1 hr At Risk Populations)	Dr. Wiktor
1120-1220	C3 <input type="radio"/>	Improvise, Adapt, & Overcome: Managing the Challenging Traumas (1 hr Trauma Triage)	Loree Cutts
1230-1330	C4 <input type="radio"/>	The acute management of pelvic ring and long bone injuries Diagnosing compartment syndrome (1 hr Trauma Triage)	Dr. Alfonso
LUNCH 1330-1430			
1430-1530	C5 <input type="radio"/>	Neurologic Emergencies: Managing Head Trauma – Seizures and Spinal Cord Injuries (1 hr Neurologic / Seizures)	Anna Mazon
1540-1640	C6 <input type="radio"/>	OB Emergencies: Knowing What Is Normal and What Is Not! (1 hr OB Emergencies)	Anna Mazon
1650-1750	C7 <input type="radio"/>	Straight To The Heart of VAD’s (1 hr VAD)	Scott Nelson
1800-1900	C8 <input type="radio"/>	The Pandemic: COVID-19 (1 hr Infectious Disease)	Fidel O. Garcia
TIMES		SATURDAY PRESENTATIONS	PRESENTERS
0900-1000	C9 <input type="radio"/>	Understanding relationships between major orthopedic injuries and shock. (1 hr Evidenced Based Guidelines)	Dr. Slishman
1010-1110	C10 <input type="radio"/>	ETC02: The 5 th VS - Understanding And Utilizing ETC02 For Improved Patient Outcome (1 hr Capnography)	Adam Compton
1120-1220	C11 <input type="radio"/>	Pain is Inevitable, Suffering is Not: Understanding the Importance of Pain Management in EMS (1 hr Pain Management)	Dr. Burket
1230-1330	C12 <input type="radio"/>	Under Pressure: Head Injury – Hemorrhage - Herniation (1 hr CNS Injury)	Adam Compton
LUNCH 1330-1430			
1430-1530	C13 <input type="radio"/>	Pharmacology Challenges in the Prehospital Setting (1 hr Medication Delivery)	Mark Warth Dr. Bronsky
1540-1640	C14 <input type="radio"/>	Peri-advanced Airway Hypoperfusion, when C comes before A (1 hr Ventilation / Oxygenation)	Mark Warth Dr. Bronsky
1650-1750	C15 <input type="radio"/>	ACLS Drugs: A Brief Review of Selected ACLS Drugs (1 hr Cardiac Arrest)	Dr. Gilmore
1800-1900	C16 <input type="radio"/>	Excited Delirium (1 hr Psychiatric)	Dr. Gilmore