

28TH ANNUAL
**CRITICAL CARE TRANSPORT
MEDICINE CONFERENCE**

APRIL 20-22, 2020

CRITICAL CARE PROCEDURAL ANATOMY PROGRAM

APRIL 19, 2020

HOTEL ALBUQUERQUE AT OLD TOWN
ALBUQUERQUE, NEW MEXICO



Presented by: Air Medical Physician Association (AMPA)
Air & Surface Transport Nurses Association (ASTNA)
International Association of Flight & Critical Care Paramedics (IAFCCP)

ACCOMMODATIONS:

HOTEL ALBUQUERQUE AT OLD TOWN

800 Rio Grande Boulevard NW
Albuquerque, New Mexico 87104

Reservations: Call 1-866-505-7829

The conference block room rate is \$149.00 (single or double plus taxes) or use the following link:

<https://cctmc.net/hotel-reservations/>

Reservations must be made by March 30, 2020.

CCTMC PROGRAM DESCRIPTION:

MONDAY-WEDNESDAY, APRIL 20-22, 2020

The Critical Care Transport Medicine Conference is designed to address topics pertinent to the out-of-hospital and emergency care of the critically ill and injured patient. Physicians, nurses, paramedics, respiratory therapists and allied healthcare professionals will be provided information that offers them a deeper understanding of the essentials of care required for the complex patient requiring critical care air and ground transport. Lectures will be presented that will help participants develop leadership skills.

EDUCATIONAL OBJECTIVES:

At the completion of this conference participants should know or be able to:

- Use state-of-the-art information to enhance and influence their clinical practice in the critical care air and ground transport environment, increase their skills, and influence their awareness of the unique environment in which they deliver medical care.
- Discuss how practice variation impacts quality, how providing mental health for first responders saves patients, and how to recognize the signs of cumulative stress disorders.
- Review the options for patient positioning during airway management, ocular anatomy and physiology relevant to managing emergent ocular emergencies, and the most common and most life-threatening complications of renal disease.
- Describe Reliability Enhancing Work Processes (REWP) as related to critical care medical transport, and how loop closure in quality reporting is the key to providing education, improving systems, and avoiding repetition of dangerous errors.
- Describe alteplase and adjuvant therapy for acute ischemic stroke, current evidence regarding resuscitative endovascular occlusion of the aorta, and a case review of a patient presenting with simultaneous stroke and STEMI.
- Discuss transport considerations of children with special healthcare needs, the current critical care literature relative to pediatric volume resuscitation, transport considerations for a pediatric patient with a Norwood with BT shunt or Sano Modification, and the current prevalence and characteristics of marijuana use in the pediatric population.
- Recognize the importance of collaborative efforts in providing prehospital critical care in developing countries, and in the implementation of a municipal based mobile stroke unit program.
- Discuss the management of sympathetic crashing acute pulmonary edema (SCAPE) using high dose IV bolus nitroglycerin, the advantages of KOBİ (Ketamine-Only Breathing Intubation), and the literature behind manual ventilation with a focus on the transport environment.

CCTMC SIMULATION PROGRAM DESCRIPTION: BREAKOUT III

TUESDAY, APRIL 21, 2020 – 8:15 AM – 5:00 PM

Course Directors:

Brendan C. Berry, MD, CMTE, FACEP

Amar P. Patel, DHSc, MS, NRP

Stacy Wicinski, RN, MA, CEN, CMTE, EMT-B

60-MINUTE SESSION – SESSION 1

The Down and Dirty of Bringing Simulation to the Field

60-MINUTE SESSION – SESSION 2

A Future with AR in Education. Do You Believe?

90-MINUTE SESSION – SESSION 3

The Basics of Scenario Building

90-MINUTE SESSION – SESSION 4

Making Sim a Competition: The How To's



CRITICAL CARE PROCEDURAL ANATOMY PROGRAM DESCRIPTION:

SUNDAY, APRIL 19, 2020

7:30 A.M. – 6:00 P.M.

Course Director: Jack B. Davidoff, MD, EMT-P

Limited to 40 participants

PROGRAM DESCRIPTION:

This portion of the Critical Care Transport Medicine Conference is for transport crew members who wish to update and practice critical care techniques that will enhance their ability to provide the best possible care to patients who are most in need. The program offers state-of-the-art updates on clinical procedures. Sessions include topics on emergent airway management, surgical airway management, chest tube insertion and management and pericardiocentesis, ventilation assessment and ventilator management, ventilator assist devices, intraosseous vascular access, and tourniquets and control of bleeding.

EDUCATIONAL OBJECTIVES:

At the completion of the Critical Care Procedural Anatomy Program participants should know or be able to:

- Demonstrate understanding and hands-on skills practice for critical care procedures to include central line insertion, chest tube insertion, intraosseous access, ventilator management and surgical airway (cricothyrotomy).
- List the indications, contraindications, success rates and complications from the use of these devices and techniques used in the emergency treatment of the critically ill and/or injured patient.

SCHEDULE

7:30 a.m.
On-Site Registration/Continental Breakfast
8:00 – 8:15 a.m.
Welcome, Lab Orientation and Program Overview
CRITICAL CARE SKILLS SESSIONS
8:30 a.m.
Students Transfer to the University of New Mexico The entirety of the Critical Care Procedural Program will be held at the University of New Mexico. Students will receive state-of-the-art updates on clinical procedures at the side of the cadaver model.
12:00 – 1:00 p.m. LUNCH PROVIDED
6:00 p.m.
Program is Completed and Students are Transferred Back to the Hotel Albuquerque

SCIENTIFIC FORUM - POSTER REVIEW

MONDAY, APRIL 20, 2020

9:00 A.M. – 12:00 P.M.

Coordinator: Lauri Bolton, MD

CRITICAL CARE TRANSPORT MEDICINE CONFERENCE ULTRASOUND WORKSHOP

MONDAY, APRIL 20, 2020

8:00 AM – 12:00 PM

Course Director: Craig Bates, MD, MS, FACEP

PROGRAM DESCRIPTION:

This 4-hour ultrasound course focuses primarily on the use of point-of-care ultrasound in the critically ill patient. Using a step-by-step approach, learners will be taught a shock protocol that will allow them to quickly diagnose a wide variety of pathologic conditions. The lecture portion discusses essential physics and knobology and the use of ultrasound to evaluate the critically ill patient at the bedside and is followed by a hands-on practice session.

EDUCATIONAL OBJECTIVES:

At the completion of the Critical Care Transport Medicine Conference Ultrasound Workshop participants should know or be able to:

- Demonstrate proper machine settings/image acquisition.
- Describe sonographic findings of the hemopericardium, hemoperitoneum, hemothoraces, pneumothoraces, and right heart strain, pericardial tamponade and acute valvular insufficiency.
- Describe sonographic findings of catastrophic intra-abdominal conditions (pneumoperitoneum, pneumatosis, pneumobilia, emphysematous infection).
- Demonstrate an eFAST examination.
- Describe sonographic findings of abdominal aortic aneurysms, as well as proximal lower extremity DVT.
- Demonstrate catastrophic abdominal scanning protocol, and 2-point lower extremity compression examination.

SCHEDULE

8:00 – 8:55 a.m.
Practical Scanning Lecture (Physics/Knobology) Craig Bates, MD, MS, FACEP
9:00 – 10:00 a.m.
eFAST Examination Lecture Craig Bates, MD, MS, FACEP
10:00 – 10:15 a.m. BREAK
10:15 a.m. – 12:00 p.m.
Hands-on Scanning

ADDITIONAL ACTIVITIES:

19TH ANNUAL SCIENTIFIC FORUM

The 19th Annual Scientific Forum is sponsored by AMPA, ASTNA and IAFCCP. Posters will be presented and reviewed on April 20th and an Outstanding Research Award will be given prior to the opening General Session on April 21st. Our goal is to nurture and provide an appropriate forum for research in air and ground medical transport.

TIM HYNES FOUNDATION EIGHTH ANNUAL SILENT AUCTION:

Plan now to donate silent auction items to help raise awareness and funds to support the scholarships and activities of the THF. Contact m.newman@flightparamedic.org for details.

THE PITTMAN COURSE FLIGHT & CRITICAL CARE PARAMEDIC REVIEW

Friday & Saturday, April 17 & 18

This IAFCCP-sponsored review course, developed by the late Corey Pittman, is designed to prepare students for the FP-C® and CCP-C® examinations and as a review for FP-C®/CCP-C® certification holders. Our engaging, dynamic instructors have extensive critical care transport experience and currently hold one or more IBSC certifications. Register online at www.IAFCCP.org (Member discounts apply)

IBSC EXAM ADMINISTRATION

Sunday, April 19 • 8:00 to 10:30 a.m.

Register online at <http://www.IBSCertifications.org>

8TH ANNUAL RUNNING WITH AN ANGEL 5K

Monday, April 20

Registration: 8:30 a.m. • Run: 9:00 a.m.

A run/walk to honor our fallen colleagues and support their loved ones! Contact www.ASTNA.org 303-344-0457 or astna@astna.org. Proceeds will go to the ASTNA Bereavement Fund to assist the families of fallen crew members.

ACCREDITATION:

Physician CME is being applied for through the joint providership of the Center for Emergency Medical Education and the Air Medical Physician Association.

CE Credits for Nurses and Paramedics have been applied for through the Air & Surface Nurses Association

CRITICAL CARE TRANSPORT MEDICINE CONFERENCE

MONDAY, APRIL 20, 2020

Noon – 1:00 p.m. CCTMC Conference On-Site Registration East Atrium Foyer	
1:00 – 1:50 p.m. Opening General Session: Alvarado E,F,G,H Prehospital Critical Care Development in Developing Countries Duncan McConnell, MBA(exec), MCOM, Grad(CERT)AmbMgt John Knight, Jr., MD	
BREAKOUT SESSIONS	
1:50 – 2:20 p.m.	
Breakout I: Alvarado E,F,G,H	Breakout II: Alvarado D
Ventilator Management for Non-Respiratory Therapists Steven Bott, MD	Transport Neurology Michael A. Jasumback, MD, FACEP
2:20 – 2:50 p.m.	
Sorting Out Triage Zachary Lyman, MBA, FP-C, CHSE	"These Aren't the Droids You're Looking For" Daniel Resnick-Ault, MD
2:50 – 3:10 p.m. BREAK	
3:10 – 3:40 p.m.	
An LMA is In. Now What!? Darren Braude, MD, Paramedic	TBI Amanda Ventura, MD
3:40 – 4:10 p.m.	
The Enemy of Good: How Practice Variation Impacts Quality Vahe Ender, NRP, FP-C	EKGs to Know and Fear Charles (Chuck) Sheppard, MD, FACEP, FAAEM
4:10 – 4:40 p.m.	
Critical Care Literature Review 2020 Michael A. Jasumback, MD, FACEP	"Epistaxis" Can Be a Four-letter Word William C. Ferguson, MD, FACEP, FAAEM

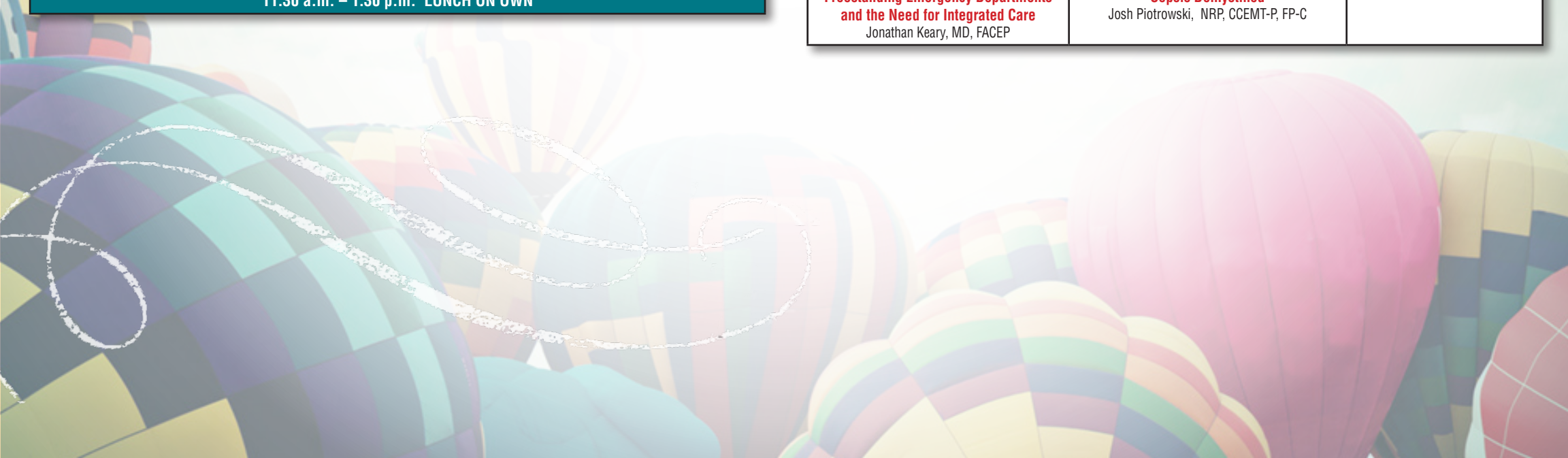
CRITICAL CARE TRANSPORT MEDICINE CONFERENCE

TUESDAY, APRIL 21, 2020



7:30 – 8:00 a.m. On-Site Registration/Continental Breakfast		
8:00 – 8:15 a.m. Welcome & Award Presentations		
8:15 – 9:00 a.m. General Session: Alvarado E,F,G,H Kama Sutra of the Airway Darren Braude, MD, Paramedic		
BREAKOUT SESSIONS		
9:00 – 9:30 a.m.	9:00 – 9:30 a.m.	9:00 – 10:00 a.m.
Breakout I: Alvarado E,F,G,H	Breakout II: Alvarado D	Breakout III: Alvarado A,B,C
Why We are Flying so Many Code Strokes: Alteplase and Adjuvant Therapy Updates for Acute Ischemic Stroke Adam Gottula, MD	Half the Heart, Twice the Trouble: Transport Considerations of Children with Single Ventricle and Other Complex Cardiac Defects Kaitlyn Luckey-Smith, RN	60 Minute Session Simulation Program Session 1: The Down and Dirty of Bringing Simulation to the Field Brendan C. Berry, MD, CMTE, FACEP Amar P. Patel, DHSc, MS, NRP Stacy Wicinski, RN, MA, CEN, CMTE, EMT-B
Prehospital Whole Blood: The State of the Art Michael A. Jasumback, MD, FACEP	A Scenario-based Review of Mechanical Circulatory Support (VADS) P.S. Martin, MD, FACEP, FAEMS	
10:00 – 10:30 a.m. BREAK		
10:30 – 11:00 a.m.	10:30 – 11:00 a.m.	10:30 – 11:30 a.m.
Red Teaming the Black Swan Reliability Enhancing Work Processes Robin D. House, ASN, RN/CEN/CFRN/NRP Shane Turner, FP-C, CCP	Pediatric Intra-Abdominal Trauma: Mysteries Behind the Belly Button Maria Mandt, MD	60 Minute Session Simulation Program Session 2: A Future with AR in Education: Do You Believe? Brendan C. Berry, MD, CMTE, FACEP Amar P. Patel, DHSc, MS, NRP Stacy Wicinski, RN, MA, CEN, CMTE, EMT-B
11:00 – 11:30 a.m.	11:00 – 11:30 a.m.	
Stop Bagging the Intubated Patient Matthew A. Roginski, MD MPH	Transport Considerations for Children with Special Health Care Needs Lori Avalusini, MN, RN, CCRN	
11:30 a.m. – 1:30 p.m. LUNCH ON OWN		

BREAKOUT SESSIONS		
Breakout I: Alvarado E,F,G,H	Breakout II: Alvarado D	Breakout III: Alvarado A,B,C
1:30 – 2:00 p.m.	1:30 – 2:00 p.m.	1:30 – 3:00 p.m.
Fit for Duty James C. Boomhower, BS, FP-C, C-NPT	Geriatric Trauma Fredric M. Hustey, MD	90 Minute Session Simulation Program Session 3: The Basics of Scenario Building Brendan C. Berry, MD, CMTE, FACEP Amar P. Patel, DHSc, MS, NRP Stacy Wicinski, RN, MA, CEN, CMTE, EMT-B
2:00 – 2:30 p.m.	2:00 – 2:30 p.m.	
Retrieval and Resuscitation: A Game of Inches Michael Lauria, MD	Modern Day Ditch Doctor: Perfecting the Art of Field Medicine with ICU Care Melissa J. Verseman, RT, Flight Paramedic CCRN, CTRN, CMTE	
2:30 – 3:00 p.m.	2:30 – 3:00 p.m.	
It's All About the Spin Charles (Chuck) Sheppard, MD FACEP, FAAEM	Just Eyeball It: Ocular Emergencies William C. Ferguson, MD, FACEP, FAAEM	
3:00 – 3:30 p.m. BREAK		
3:30 – 4:00 p.m.	3:30 – 4:00 p.m.	3:30 – 5:00 p.m.
Ease the (After) Load: Management of Sympathetic Crashing Acute Pulmonary Edema (SCAPE) Using High Dose IV Bolus Nitroglycerin Michael Perlmutter, BA, FP-C, NRP	Critical Inter-Hospital Management of Non-Traumatic Intercerebral Hemorrhage P.S. Martin, MD, FACEP, FAEMS	90 Minute Session Simulation Program Session 4: Making Sim a Competition: The How To's Brendan C. Berry, MD, CMTE, FACEP Amar P. Patel, DHSc, MS, NRP Stacy Wicinski, RN, MA, CEN, CMTE, EMT-B
4:00 – 4:30 p.m.	4:00 – 4:30 p.m.	
Feasibility of REBOA at a U.S. Civilian, Critical Care HEMS Program Robert Grabowski, DNP, APRN-CNP, AGACNP-BC, CPNP-AC, CPNP-AC, CEN CCRN, CFRN, CMTE, EMT-P	Close-Loop Communication: How the Death of Silence Might Prevent a Silent Death Sarah Barber, EMT-P, FP-C, BS in Psychology	
4:30 – 5:00 p.m.	4:30 – 5:00 p.m.	
Doc in a Box: Freestanding Emergency Departments and the Need for Integrated Care Jonathan Keary, MD, FACEP	Self-Destruct Sequence Initiated: Sepsis Demystified Josh Piotrowski, NRP, CCEMT-P, FP-C	



CRITICAL CARE TRANSPORT MEDICINE CONFERENCE

WEDNESDAY, APRIL 22, 2020

8:00 – 8:30 a.m. Registration/Continental Breakfast	
BREAKOUT SESSIONS	
8:30 – 9:00 a.m.	
Breakout I: Alvarado E, F, G, H	Breakout II: Alvarado D
Ventilation in Severe Obstructive Lung Disease Matthew A. Roginski, MD, MPH	Dialyze this! Renal Emergencies William C. Ferguson, MD, FACEP, FAAEM
9:00 – 9:30 a.m.	
Droperidol is really back! Darren Braude, MD, Paramedic	A Love-Hate Relationship? Critical Kids, THC, and the Colorado Experience Maria Mandt, MD
9:30 – 10:00 a.m.	
My Critical Care Checklist Manifesto Michael Lauria, MD	KOBI and Other Contemporary Airway Management Techniques Michael Perlmutter, BA, FP-C, NRP
10:00 – 10:15 a.m. BREAK	
10:15 – 10:45 a.m.	
Double Trouble – Concomitant Stroke and STEMI Robin D. House, ASN, RN, CEN, CFN, NRP	Saving Today's First Responders to Help the Patients of Tomorrow: Providing Mental Health for the Provider Dustin Ross, NRP, FP-C
10:45 – 11:15 a.m.	
Implementation of a Municipal Based Mobile Stroke Unit Program Robert A. Elliott, Jr., BSN, PHRN, RN, CCRN, CTRN, CFRN, TCRN; Alvin Wang, DO, FAAEM, BC-EMS; Lawrence V. Durland III, BA, BSN, RN, PHRN, CFRN	Leadership Lessons Learned Rick Hines, Flight Paramedic
11:15 a.m. – 12:00 p.m.	
Closing General Session: An ER Doc Turns 75: What's Old, New and Around Again Charles (Chuck) Sheppard, MD, FACEP, FAAEM	

2020 CCTMC ADJOURNED!

REGISTER NOW!

<https://cctmc.net/registration/>

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Nikole Good, CAE
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