CCTMC PROGRAM DESCRIPTION

The Critical Care Transport Medicine Conference is designed to address topics pertinent to the prehospital 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.
- Describe PEA, PEEP, and how to solve a cascading problem – prehospital anticoagulation reversal.
- Discuss pediatric trauma on the fly, pediatric airway management, high flow cannula for the pediatric patient, treatment and care of critically ill newborns and young infants, and the case of the changing MOI.
- Describe training the limbic system for high performance, the normalization of deviance, and quit making yourself look foolish and your patients look worse.
- Review the 2018 critical care literature update, the 2018 version for handing a medical error, malpractice avoidance for the flight professional, and first hand experience with concussion.
- Describe perimortem cesarean delivery in the HEMS setting, HELLP!, and video laryngoscopy – why should I care?
- Discuss high-risk heart disease, stroke assessment, recent advancements in HEMS fluid resuscitation, and RVAD vs. Air.
- Can we give them the finger yet?, Molly and the music festival, a resuscitationist’s guide to PreOx and ApOx, and is the answer really always ketamine?

ULTRASOUND WORKSHOP

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, hemotheromas, 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.

CRITICAL CARE PROCEDURAL ANATOMY 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. The didactic 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 (cricothyroidotomy).
- 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.

SCIENTIFIC FORUM

The 17th Annual Scientific Forum is sponsored by AMPA, ASTNA and IAFCPP. Posters will be presented and reviewed on April 9th and an Outstanding Research Award will be given prior to the opening General Session on April 10th. Our goal is to nurture and provide an appropriate forum for research in air and ground medical transport.
CRITICAL CARE PROCEDURAL ANATOMY PROGRAM
Limited to 40 participants
Students will be bused to the Center for Emergency Health Services Anatomy Lab for didactic sessions as well as the practice session. Plan to be ready to depart the hotel PROMPTLY at 7:30 a.m. Students will be returned to the hotel at the end of the program.

The Center for Emergency Health Sciences
A Division of Bulverde Spring Branch Emergency Services
353 Rodeo Drive • Spring Branch, Texas 78070

CRITICAL CARE SKILLS DIDACTIC SESSIONS

7:00 A.M.
ON-SITE REGISTRATION

8:00 — 8:15 A.M.
WELCOME, LAB ORIENTATION AND PROGRAM OVERVIEW

8:15 — 9:00 A.M.
ADJUNCTS IN AIRWAY MANAGEMENT
Jack B. Davidoff, MD, EMT-P

9:00 — 9:30 A.M.
CRICOTHYROTOMY: PEARLS AND PITFALLS
William Hinckley, MD, FACEP, CMTE

9:30 — 10:00 A.M.
CHEST TUBES, PLEURAL PIGTAIL CATHETERS, AND PERICARDIOCENTESIS
Christopher J. Fullagar, MD, EMT-P, FACEP

10:00 — 10:30 A.M.
VENTILATION MANAGEMENT
Lauri Bolton, MD

10:30 — 10:45 A.M. BREAK

10:45 — 11:15 A.M.
MECHANICAL CIRCULATORY SUPPORT
P.S. Martin, MD, FACEP

11:15 — 11:45 A.M.
INTRAOSSEOUS VASCULAR ACCESS
Lauri Bolton, MD

11:45 A.M. — 12:15 P.M.
HEMORRHAGE CONTROL
Craig Bates, MD, MS, FACEP

12:15 — 12:45 P.M.
LAB PROCEDURES AND SAFETY
Jack B. Davidoff, MD, EMT-P

12:45 — 1:30 P.M. LUNCH

1:30 — 5:30 P.M.
PROCEDURE LAB

Monday, April 9, 2018

SCIENTIFIC FORUM–POSTER REVIEW
9:00 A.M. — 12:00 P.M.
Coordinator: Lauri Bolton, MD

ULTRASOUND WORKSHOP
8:00 — 8:55 A.M.
PRACTICAL SCANNING LECTURE (PHYSICS/NOBOLOGY)

9:00 — 10:00 A.M.
EFAST EXAMINATION LECTURE

10:00 — 10:15 A.M. BREAK

10:15 A.M. — 12:00 P.M.
HANDS-ON SCANNING

BrEAKOUT SESSIONS:

2:15 — 2:45 P.M.
BREAKOUT I
PEA: FINDING THE GOLD IN THE GARBAGE
Michael C. Berrier, NRP, FP-C, C-NPT, AAS

2:45 — 3:15 P.M.
BREAKOUT I
THE CASE OF THE DYING SOLDIERS: ADVANCED PHARMACODYNAMICS IN CRITICAL CARE
Michael J. Lauria, BA, NRP, FP-C

3:15 — 3:30 P.M.
BREAK

3:30 — 4:00 P.M.
BREAKOUT I
MANAGING RESPIRATORY DISTRESS WITH A HIGH-FLOW NASAL CANNULA
Kevin T. Collopy, BA, FP-C, CCEMT-P, NRP, CMTE

4:00 — 4:30 P.M.
BREAKOUT I
VL VS. DL: A DEEP DIVE OF THE LITERATURE
Frank Tift, MD

4:30 — 5:00 P.M.
BREAKOUT I
CONCUSSIONS: FIRST HAND EXPERIENCE
Derrick Jacobus, MA, FP-C

MONDAY, APRIL 9, 2018

CRITICAL CARE TRANSPORT MEDICINE CONFERENCE

NOON — 1:00 P.M.
CCTMC CONFERENCE ON-SITE REGISTRATION
Ballroom Foyer

1:00 — 1:50 P.M.
OPENING GENERAL SESSION:
TRAINING THE LIMbic SYSTEM FOR HIGH PERFORMANCE
Faizan H. Arshad, MD

1:50 — 2:15 P.M.
The real F word: “FEEDBACK”
Ashley Voss-Liebig, RN, BSN, CCRN

BREAKOUT II

EENY, MEENy, MINY, MOE: THE CASE OF THE CHANGING MOI!
Debra Milliner, APRN, FNP-C, MSN, MBA/HCM, CEN, CFRN

2:45 — 3:15 P.M.
BREAKOUT I
THE CASE OF THE DYING SOLDIERS: ADVANCED PHARMACODYNAMICS IN CRITICAL CARE
Michael J. Lauria, BA, NRP, FP-C

3:15 — 3:30 P.M.
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4:30 — 5:00 P.M.
BREAKOUT I
CONCUSSIONS: FIRST HAND EXPERIENCE
Derrick Jacobus, MA, FP-C

BREAKOUT II

BAD THINGS IN SMALL PACKAGES:
CRITICALLY ILL NEWBORNs AND YOUNG INFANTS
Michael A. Frakes MS, APRN, CCNS, CRN, CNT, EMT-P, CMTE, FACHE
Breakout Sessions:

**Breakout I**

9:00 – 9:30 a.m.
Critical Care Literature: UPDATE 2018
Michael A. Jasumback, MD

9:30 – 10:00 a.m.
More Than the X Factor: Understanding and Managing Coagulopathy
Michael A. Frakes, MS, APRN, CCNS, CFRN, CNTP, EMT-P, CMTE, FACHE

10:00 – 10:30 a.m.
Break

10:30 – 11:00 a.m.
Heroes are Human Too: Exploring Depression, PTSD and Suicide Among Our Health Care Responders
Natalia Lukasiwicz, HHP, MSN, RN, CCRN-K, CFRN, CEN, EMS-RN, LNC

11:00 – 11:30 a.m.
PEEP: The Pressure to Survive
Michael C. Berrier, NRP, FP-C, NPT, AAS

11:30 a.m. - 1:00 p.m. Lunch On Own

1:00 – 1:30 p.m.
Patients: The Forgotten Safety
Michael A. Frakes MS, APRN, CCNS, CFRN, CNTP, EMT-P, CMTE, FACHE

1:30 – 2:00 p.m.
Breakout II
Perimortem Cesarean Delivery in the HEMS Setting
Eric Vaughan, MD, FACEP, FAEM

2:00 – 2:30 p.m.
Breakout II
Creating and Advancing Quality Programs in the HEMS Setting
Louis Scattish, MD, FACEP, FAEM

2:30 – 3:00 p.m.
Break

3:00 – 3:30 p.m.
Breakout II
Solving a Cascading Problem: Pre-Hospital Anticoagulation Reversal
Damon A. Darsey, MD

3:30 – 4:00 p.m.
Breakout II
A Resuscitationist’s Guide to PreOx and APOx
Faizan H. Arshad, MD

4:00 – 4:30 p.m.
Breakout II
The 2018 Version for Handling a Medical Error
Tina Johnson, RN, BSN, MSN

4:30 – 5:00 p.m.
Breakout II
CRM in Patient Care: The PIVOT Point
Amilyne Tomaszewski, MICP, NRP, CCP-C, FPC

5:00 – 6:00 p.m.
Breakout II
Stroke Assessment: Digging Through the Alphabet Soup of Stroke Scales
Ray Bennett, BSN, RN, CEN, CFRN, CTRN, SCRN, NRP

5:30 – 6:00 p.m.
Breakout II
Drip & Ship: Indications for Advanced Care at Comprehensive Stroke Centers
Ray Bennett, BSN, RN, CEN, CFRN, CTRN, SCRN, NRP

6:00 – 6:30 p.m.
Breakout II
When Your Patient is Just Too Sweet: DKA and HHS
Charles W. Sheppard, MD

6:30 – 7:30 p.m.
Breakout II
Optic Nerve Sheath Measurements Using Ultrasound For Assessing Elevated ICP
Robert Schlamp, CMACCP, ACP • Stephen Wheeler MD

7:30 – 8:00 p.m.
On-Site Registration/Continental Breakfast

8:00 – 8:15 p.m.
Welcome & Award Presentations

8:15 – 9:00 a.m.
General Session:
Are We All Deviants?
Normalization of Deviance
Charles W. Sheppard, MD

Tuesday-April 10, 2018
**Breakout Sessions:**

**Breakout I**  
**Resuscitation in Pulmonary Hypertension and Right Ventricular Failure**  
Susan R. Wilcox, MD

**Breakout II**  
**Misadventures in Mechanical Ventilation: Therapeutic Killers!**  
Eric Bauer, MBA, FP-C, CCP-C, C-NPT

**Breakout I**  
**Recent Advances in HEMS Fluid Resuscitation Management**  
Louis Scratthiff, MD, FACEP, FAAEM

**Breakout II**  
**Pragmatic EKG Interpretation**  
William C. Ferguson MD, FACEP, FAAEM

**Breakout I**  
**Update to 2018 Can We Give Them the Finger Yet? Finger Thoracostomy for Tension Pneumothorax**  
Cynthia M. Griffin, DO.

**Breakout II**  
**RVAD vs. AIR: A Race Against Time**  
Bruce Hoffman, MSN, BSN-RN, NR-Paramedic, CFRN

**Breakout II**  
**The Nuts and Bolts of Prehospital Ultrasound**  
Nikolai Schnittke, MD, PhD

**8:30 – 9:00 a.m.**

**9:00 – 9:30 a.m.**

**9:30 – 10:00 a.m.**

**10:00 – 10:15 a.m.**

**10:15 – 10:45 a.m.**

**10:45 – 11:15 a.m.**

**11:15 a.m. – 12:00 p.m.**

**Closing General Session**

**Just Stop! Quit Making Yourself Look Foolish and Your Patients Look Worse**
Michael A. Frakes, MS, APRN, CCNS, CFRN, CNTP, EMTP, CMTE, FACHE

**CCTMC Adjourned!**

**Wednesday, April 11, 2018**

**8:00 – 8:30 a.m.**
Registration/Continental Breakfast

**8:30 – 9:00 a.m.**
**Breakout I**  
Resuscitation in Pulmonary Hypertension and Right Ventricular Failure  
Susan R. Wilcox, MD

**Breakout II**  
Misadventures in Mechanical Ventilation: Therapeutic Killers!  
Eric Bauer, MBA, FP-C, CCP-C, C-NPT

**9:00 – 9:30 a.m.**
**Breakout I**  
Recent Advances in HEMS Fluid Resuscitation Management  
Louis Scratthiff, MD, FACEP, FAAEM

**Breakout II**  
Pragmatic EKG Interpretation  
William C. Ferguson MD, FACEP, FAAEM

**9:30 – 10:00 a.m.**
**Breakout I**  
Update to 2018 Can We Give Them the Finger Yet? Finger Thoracostomy for Tension Pneumothorax  
Cynthia M. Griffin, DO.

**Breakout II**  
RVAD vs. AIR: A Race Against Time  
Bruce Hoffman, MSN, BSN-RN, NR-Paramedic, CFRN

**10:00 – 10:15 a.m.**

**10:15 – 10:45 a.m.**
**Breakout I**  
Malpractice Avoidance for the Flight Professional  
Gregory Cassis, JD

**Breakout II**  
The Nuts and Bolts of Prehospital Ultrasound  
Nikolai Schnittke, MD, PhD

**10:45 – 11:15 a.m.**
**Breakout I**  
Molly and The Music Festival: Lessons Learned from a Deadly Combination  
Theresa Bowden, BSN

**Breakout II**  
Advanced Pressors  
Michael A. Jasumback, MD

**11:15 a.m. – 12:00 p.m.**
**Closing General Session**

**Just Stop! Quit Making Yourself Look Foolish and Your Patients Look Worse**
Michael A. Frakes, MS, APRN, CCNS, CFRN, CNTP, EMTP, CMTE, FACHE

**2019 CCTMC**

**April 15-17, 2019**
**The Hotel Albuquerque**
**Albuquerque, New Mexico**

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**IFCPC-Sponsored Review Course**

**The Pittman Course: Flight and Critical Care Review**

**Friday, April 6 and Saturday, April 7, 2018**

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](http://www.IAFCCP.org)  
(Member discounts apply)

**Back Again! CCTMC SIM Tournament of Champions**

2018 marks the second annual CCTMC SIM Tournament of Champions. Up to five teams will compete in two rounds of simulated patient encounters and other challenges to exhibit their critical care knowledge and skills. Round one begins after Monday's opening session, continuing for the remainder of the afternoon. Round two begins after Tuesday's general session, continuing until midafternoon. Winners will be announced prior to Wednesday's closing session.

Teams will consist of two providers and a substitute who can take the place of one of the providers as needed. All team members must be actively practicing critical care transport providers and must be registered attendees of CCTMC. Team members will have plenty of time to enjoy other conference offerings while they are not competing.

E-mail cctmcchampions@gmail.com if your team feels up to the challenge.

Brendan C. Berry, MD, CMTE, FACEP  
Amar Patel, DHSc, MS, NRP  
Stacy Wicinski, RN, MA, CEN, CMTE, EMT

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**Additional Activities**

**Tim Hynes Foundation**

**Fifth 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.

Email info@timhynesfoundation.org for details.

**The Sixth Annual Running with an Angel 5K**

**Monday, April 9, 2018**

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

A run/walk to honor our fallen colleagues and support their loved ones!

For information, please contact Air & Surface Transport Nurses Association.

[www.ASTNA.org](http://www.ASTNA.org) • 303-344-0457  
astna@astna.org

Sign up at the ASTNA Community Calendar [www.astna.org](http://www.astna.org)

Proceeds will go to the ASTNA Bereavement Fund to assist the families of fallen crew members.
Name: ________________________________

RN  Paramedic  MD  RT  Other ____________________

Transport Program: ____________________

Title/position: ________________________

Home address: ________________________

City, State, Zip ________________________

Home Phone: _________________________ Work Phone: ________________________

E-Mail: ________________________________

Member: □ AMPA  □ ASTNA  □ IAFCCP

CRITICAL CARE TRANSPORT MEDICINE CONFERENCE Pre-registration: Payment Received Prior to March 2, 2018

$285.00 Member $335.00 Non-Member

Payment Received After March 2, 2018

$315.00 Member $375.00 Non-Member

$375.00 On-Site Registration

CRITICAL CARE PROCEDURAL ANATOMY PROGRAM
(Limited to 40 participants)

Additional Registration Fee MUST Pre-Register

$300.00 Member $350.00 Non-Member

ULTRASOUND WORKSHOP
(Limited to 40 participants)

Additional Registration Fee MUST Pre-Register

$240.00 Member $300.00 Non-Member

Total Enclosed

Make check payable in US Funds to the Air Medical Physician Association* and mail to CCTMC, 951 East Montana Vista Lane, Salt Lake City, UT 84124, or charge to VISA or MasterCard only

VISA  MasterCard

Card Number: __________________________

Expiration Date: ______________________

Signature: ________________________________

*AMPA Federal Tax ID #87-0510123

To register by phone with a credit card, call Patricia Petersen at 801-263-2672, or fax registration form to 801-534-0434

On-line registration available at www.ampa.org

Partial registration refund to March 2, 2018; NO refunds after March 2, 2018.