

Critical Care Transport Medicine Review Course Registration | February 7-8, 2019

Registration deadline — Your registration must be postmarked by Feb. 1, 2019. There's a \$20 late fee for registrations postmarked after Feb. 1.

Cancellation policy — You can cancel and get a refund (minus a \$20 administrative fee) until Feb. 1, 2019. If you cancel after Feb. 1, we can not refund your money.

Name			Level (EMT-P, RN, other)	
Home address			Agency	
City	State	ZIP	Phone (best contact number)	
Email address				

Feb. 7-8

\$200

Total: \$ _____

PAYMENT MUST BE RECEIVED ON OR BEFORE THE FIRST DAY OF THE CONFERENCE. Sorry no agency invoicing.

Please make checks payable to *Mercy Health St. Vincent Life Flight*

Credit cards accepted: Visa, MasterCard, Discover and American Express

MAIL TO: Partners for Life Conference 2019, Mercy Health St. Vincent Life Flight, 2213 Cherry St., Toledo, OH 43608 **FAX TO:** 419-245-6034

Name on credit card	Card number
Credit and billing address	Expiration date
Phone number	3-digit code on back of card
Signature	

Thursday, February 7, 2019

7:30–8 a.m.: REGISTRATION

8:00–9:00 a.m.: Resuscitation, Shock, and Blood

Craig G. Bates, MD, MS, FACEP

Attending Physician, Cleveland Metro Hospital

Medical Director/Flight Physician

Cleveland Metro Life Flight

Shock, sepsis, and multiple organ dysfunction syndrome (MODS) are complex disorders that affect the body in multifaceted dimensions. This session will summarize the pathophysiology of shock and its stages and will discuss the assessment and management of the patient in shock.

9-910 am Break

9:10–10:10 a.m.: Neurological Emergencies and Update

DR. WILLIAM KREBS, DO

Medical Director

Mercy Health — Life Flight Network

Critical care patients with neurological complications present a variety of assessment and management challenges during transport for the critical care transport professional (CCTP). The CCTP will find that an understanding of the underlying principles of neurological structure, function, and dysfunction will provide the basis for critical care management. An in-depth understanding of the various types of neurologic injuries, their pathophysiology, and current (evidence-based) management trends is fundamental to managing these patients to ensure the best possible outcome.

1010-1020 am Break

1020–1120 a.m.: Critical Care Pharmacology

ROBERT GRABOWSKI MSN, RN, CNP, AGACNP-BC, CPNP-AC, CEN, CCRN, CFRN, EMT-P

Adult, Gero & Pediatric Acute Care Nurse Practitioner Cleveland Metro Life Flight

Pharmacology plays a significant role in prehospital and critical care medicine and is often an essential component of patient care and transport. Critical care transport professionals (CCTPs) need an enhanced understanding of all aspects of pharmacology to provide optimal patient care without causing further patient injury or death. This session covers a brief review of important basics and assumes a general understanding of pharmacology.

1120-1130 am Break

1130 a.m.–1230 pm: Critical Care Pediatrics: Special Needs

ROBERT GRABOWSKI MSN, RN, CNP, AGACNP-BC, CPNP-AC, CEN, CCRN, CFRN, EMT-P

Adult, Gero & Pediatric Acute Care Nurse Practitioner Cleveland Metro Life Flight

Critical care transport professionals (CCTPs) are likely to encounter diverse populations to include Pediatric patients with special needs. This session will discuss children with special needs to include those with congenital heart disease; hematologic-oncologic conditions; respiratory, neurologic, or gastrointestinal disorders; those with a dependency on technology for survival.

1230–130 p.m.: LUNCH PROVIDED

130–230 p.m.: Advanced Obstetrics & Neonate Transports

Kimberly Johnston, MSN, RNC-OB, C-EFM, C-MNN, CNE Perinatal Advanced Practice Specialist

Mercy Health — St. Vincent Medical Center

This session will review the considerations and treatment options for obstetrics and neonate critical care transports. Current trends and topics will include, transport decisions, obstetric complications, delivery complication and neonatal care and management during transport.

240–340 p.m.: Advanced Obstetrics & Neonate Transports-LAB

Kimberly Johnston, MSN, RNC-OB, C-EFM, C-MNN, CNE Perinatal Advanced Practice Specialist

Mercy Health — St. Vincent Medical Center

This session is a lab with interactive simulation to cover transport decisions, obstetric complications, delivery complication and neonatal care and management during transport.

350–550 p.m.: Critical Care Ventilation

DAN CROTS, MA, IC-P, FP-C, NRP

CCT Paramedic

Mercy Health — Life Flight Network

This session will discuss how to assess and intervene for patients that need critical care ventilation by reviewing anatomy and critical lab values. The session will discuss the different modes of ventilation and its affect upon the body

10:10-11:10 Break

Friday February 8, 2019

6:30–7a.m.: BREAKFAST

7:00–8:00 a.m.: **Assessing the Critical Care Patient**

Dave Holloway, MSN, ACNPC, CFRN, CCRN, FCCS
Regional Critical Care House Officer – Anesthesiology Institute
Cleveland Clinic

Assessment of critical care patients differs from the traditional emergency medical services (EMS) field assessment in two respects: critical care patients have often received significant treatment and stabilization prior to the critical care transport professional's (CCTP's) arrival and sophisticated diagnostic information is often available. This session will discuss how to assess a patient and all available information, including lab tests and how to decide what the assessment findings mean. It will discuss how to recognize the significance of assessment findings and formulate an appropriate treatment plan by understanding anatomy and physiology and disease pathophysiology.

8:00-9:00 a.m. **Medical and Legal Issues for Critical Care Transport**

Tracy Kunca, MSN, RN, CFRN
Manager Clinical Field Operations
Mercy Health Life Flight

Legal considerations are a relentless presence in all aspects of health care. Caregivers may reduce their level of concern about legal action by paying diligent attention to various elements contributing to quality of care, including: skills maintenance, continuing education, protocol familiarity and compliance, proper documentation, and interpersonal communications. Care providers should also remain familiar and compliant with the laws and regulations that govern their practice, including federal laws and regulations that apply across all US jurisdictions and state and local requirements that may differ considerably from one area to another. Refinement of Emergency Medical Treatment and Active Labor Act (EMTALA) has far-reaching implications that make critical care transport professionals (CCTPs) responsible to minimize risks associated with inter facility transport. This session examines role of CCTPs in that setting, their performance during inter facility transfers, and ways to limit risk and ensure compliance.

9:00–10:00 a.m.: **Lab Values and Diagnostic Study Review**

Jacob A. Miller, FNP, ACNP, ACCNS, CCRN, CFRN, EMT-P, FP-C
Acute Care Nurse Practitioner | Critical Care Transport and eHospital
Cleveland Clinic

This session will discuss how lab values and diagnostic studies serve many purposes in critical care transport environment, requiring critical care transport professional (CCTP) to: Feel comfortable with normal ranges for each lab value and associated physiologic meaning of test and

11:10–12:10 p.m.: **Acute Burn Management: The First 24 Hours**

Debbie Harrell, MSN, RN, NE-BC
Director, Professional Relations
Cincinnati Shriners Hospital

This session is designed to update and educate first responders and trauma team members on evidence-based practices for burn injuries. Pre-hospital interventions and their impact on short- and long-term patient outcomes depend on initial management and checking for inhalation injury. Assessment of the thermally-injured patient, emergency interventions including ABC's, extent of injury, depth of injury, and complexities of injury including hypothermia, improper wound care and fluid resuscitation will be discussed. This presentation will arm the first responder and trauma team with new tools that can improve the outcome of pediatric burns of all sizes. Case studies and vivid PowerPoint images of different burns are included.

12:10-1:10 pm: **Lunch**

1:10-2:10 pm: **Electrophysiology, Cardiac Devices, and Transport**

Justin Lonczak CCRN, EMT-P, EMSI
Critical Care Transport Flight Nurse
Cleveland Clinic

Critical care transport professionals (CCTPs) routinely encounter patients with cardiac arrhythmias and need to be familiar with interpretation and monitoring of the 12-lead electrocardiogram (ECG); the electrophysiology underlying the ECG changes and its implications for the patient; the temporary and implanted pacemakers and defibrillators; and the transport safety and troubleshooting problems that may arise with these cardiac devices

2:10-3:10 ECLS: **From the NICU to the Streets**

Ashley D. Larrimore, MD
Attending Emergency Physician and EMS Medical Director
Ohio State University Wexner Medical Center

Extracorporeal Membrane Oxygenation (ECMO) began in the 1970s as a way to support the heart and lung functions of critically ill pediatric patients. As technology has improved, ECMO has moved out of the NICU and into adult tCUs, EDs and even the field. This lecture will review the history and basics of ECMO and will delve into how this technology is being applied to prehospital patients. Indications for ECMO for cardiac arrest (ECLS) will be explored with particular attention to the role of providers in caring for these patients and guiding the development of this therapy

3:10-3:20 pm **Break**

3:20-5:20 pm **Managing the Difficult Airway**

Jason Waltmire, BCJ, CMTE, NRP, CEI
Outreach Education Coordinator and American Heart Coordinator
Mercy Health Toledo Life Flight

There is no more important or controversial skill associated with prehospital and critical care than airway management. This one hour lecture and one hour lab Assessment will guide the critical care transport professional (CCTP) in developing a treatment plan. It will teach to ensure the adequacy of ventilation and oxygenation in critically ill patients. When respiratory compromise occurs and time is critical, the CCTP must be prepared to perform rapid, accurate respiratory assessment followed by the appropriate intervention.

Life Flight Critical Care Transport Medicine Two-Day 16-Hour Review Course

FEBRUARY 7-8, 2019

GENERAL INFORMATION:

2019 Mercy Health — Life Flight Network Critical Care Review Course Goal: To review critical care transport medicine core concepts & update providers on current trends in evidenced based medicine, industry best practices, and CAMTS recommendations.

PURPOSE:

The purpose of this two day 16-hour program is to update and educate critical care transport providers on current trends and best practices in the critical care transport medicine. This course meets the requirement for the 16 hour review requirement by the IBSC and BCCTPC.

Additionally, the program is ideal for those students wanting to learn more about critical care transport medicine and those wanting to obtain their CAMTS recognized advanced certifications.

COURSE PREREQUISITES:

This program is open to any paramedic, RN, respiratory therapist, advanced practice provider (NP, PA), medical student, resident or physician interested in critical care transport medicine.

TEXTBOOK (RECOMMENDED):

AAOS Critical Care Transport (2nd Edition: 2018)

Program questions, please contact:

Jason Waltmire at Jason_Waltmire@mercy.com

REGISTRATION & ACCOMMODATION INFORMATION:

CONTINUING EDUCATION CREDITS:

Ohio EMS CE: Mercy Health — Life Flight Network is an approved provider of continuing education through the Division of EMS, Ohio Department of Public Safety #2092.

If you have questions, please email,

Jason_Waltmire@mercy.com

Ohio Nursing: Mercy Health Toledo is approved as a provider of continuing nursing education by the Ohio Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation (OBN-001-91) (OH-043, 06-01-19). If you have questions please email michelle_pollauf@mercy.com.

MERCY HEALTH — LIFE FLIGHT NETWORK CRITICAL CARE TRANSPORT MEDICINE REVIEW COURSE FACULTY & LEADERSHIP:

Medical Director & Faculty:

DR. WILLIAM KREBS, DO
Mercy Health Life Flight Medical Director
Mercy Health — Life Flight Network

Program Director & Faculty:

SCOTT SWICKARD, DNP, PHD, ACNP
Director of Clinical Operation
Mercy Health — Life Flight Network

Program Coordinator & Faculty:

Jason Waltmire, BCJ, CMTE, NRP, CEI
Outreach Education/American Heart Coordinator
Mercy Health Toledo Life Flight

Associate Faculty:

Craig G. Bates, MD, MS, FACEP
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