

Critical Care Transport Medicine Review Course Registration | February 6-7, 2018

Registration deadline — Your registration must be postmarked by Feb. 1, 2018. 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, 2018. If you cancel after Feb. 1, we can't refund your money.

Name			Level (Paramedic, RN, RT, NP, PA, Physician or other)		
Home address			Agency		
City	State	ZIP	Phone (best contact number)		
			Email address		

Feb. 6-7

\$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 2018, 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

Tuesday, February 6, 2018

7:30–8 a.m.: REGISTRATION

8–9 a.m.: Mission Safety: Aircraft Fundamentals

BRIAN CONROY, MSA, ATP, MTSP

Life Flight Safety Manager/Pilot

Mercy Health — Life Flight Network

This session will introduce the important role safety plays within the critical care transport medicine and air medical transport. Topics reviewed will include, current industry trends, safety and regulatory environment. Participants will also review aircraft fundamentals and the importance of Air Medical Resource Management (AMRM).

9–10 a.m.: Stressors of Flight & Flight Physiology

SCOTT SWICKARD, DNP, PHD, ACNP

Director of Clinical Operation

Mercy Health — Life Flight Network

Stressors of flight & flight physiology is a critical aspect of critical care transport medicine. Understanding the stressors of flight and altitude on aircrew members and patients is key to our survival and our patients. Topics reviewed will include, layers of the atmosphere, gas laws, stressors of flight, pressurization/depressurized environments, physiologic effects during flight, and role of hypoxia during flight.

10–11 a.m.: Lab Analysis: Acid Base & Electrolytes

KIM NEMETH, RN

CCT/Flight Nurse

Mercy Health — Life Flight Network

Disturbance in acid base and electrolytes can be difficult to interpret, assess and manage. For the CCT provider this session will address the critical labs frequently encountered and clinical management strategies to address life-threatening acid base and electrolyte disturbances.

11 a.m.–noon: Lightbox Literacy: An Introduction to Radiology Imaging for the CCT Provider

DR. WILLIAM KROST, MD, MBA, Paramedic

Emergency Medicine Resident

Mercy Health St. Vincent Emergency Medicine

Residency Program

CCT providers often encounter radiological studies but do not know what they represent. In this interactive session, students are given an overview of the process used to interpret the most common studies, chest x-rays, and head CTs. Students will learn to identify treatable disease processes from pneumothorax, tension pneumothorax, hemothorax, intra-thoracic hemorrhage, diaphragmatic herniation, tracheal & bronchial disruptions, CHF and several types of hemorrhagic strokes.

Noon–1 p.m.: LUNCH PROVIDED

1–2 p.m.: Critical Care Transport Pharmacology Update

DR. WILLIAM KROST, MD, MBA, Paramedic

Emergency Medicine Resident

Mercy Health St. Vincent Emergency Medicine

Residency Program

This session will review and update the CCT provider on current trends and practices in emergency medicine, trauma, and critical care medicine as it applies to the critical care and emergency medicine pharmacy.

2–3 p.m.: Data-Driven Airway Management in Critical Care Transport

JOHN SINGLETON, RN, CFRN, CCRN, CMTE

Flight Nurse Specialist/Educator

Cleveland Metro Life Flight

The ability of the CCT provider to assess and properly manage an airway is critical. One of the best and oftentimes missed way to optimize and improve airway management is through data analysis and quality improvement. This session will highlight Cleveland Metro Life Flight airway process overhaul using data-driven metrics to improve and optimize airway management in critical care transport.

3–4 p.m.: Mobile Stroke Units & Neurocritical Care Transport

CHARLIE SPARE, RN, CEN, CFRN, Paramedic

MSU CCT Nurse/Paramedic

Mercy Health Mobile Stroke Unit

A recent innovation in CCT medicine is the introduction of mobile stroke units and neurological critical care with state-of-the-art diagnostic and treatment options to the patient bedside in the out-of-hospital environment. MSU provide emergent treatments options for ischemic and hemorrhage strokes, transient ischemic strokes (TIAs), acute life-threatening hydrocephalus, brain mass, hypertensive crisis, herniation protocols, seizure prevention and management. This session will highlight these advancements and look to the future role these units will play in critical care transport medicine.

4–5 p.m.: Advanced EKG Interpretation, Cardiac Management & Transport

KIM NEMETH, RN

CCT/Flight Nurse

Mercy Health — Life Flight Network

This session will review critical care transport medicine as it relates to cardiovascular patients undergoing emergent transport for STEMI care. Students will learn how to interpret diagnostic findings, properly manage patients' clinical findings and know when to get moving to save heart muscle.

5–6 p.m.: Advanced Hemodynamics During Transport

RACHELLE GABLE, RN, CFRN

CCT Nurse

Mercy Health — Life Flight Network

This session will review the role hemodynamic monitoring plays in critical care transport medicine and the fundamentals of their operations and diagnostic purposes. Students will learn current trends and practices with arterial lines, central vein pressures lines (CVP), and pulmonary artery catheters (PAC). Student will learn special considerations during transport, trouble shooting and emergency procedures with these invasive monitoring devices.

Wednesday, February 7, 2018

7:30–8 a.m.: CONTINENTAL BREAKFAST

8–9 a.m.: Pacers, VADs, TAH-t, IABP, & ECLS Transports

KRIS KORMOS, FP-C

Flight/CCT Paramedic

Cleveland Clinic Critical Care Transport

Patients with cardiac assist devices are extremely complex and require highly skilled clinicians to safely and confidently manage their care during transport.

This session will review the type of cardiac assist devices commonly encountered, care continuum for these patients and their medical management.

9:15–10:15 a.m.: Post-Resuscitation Management & Transport

DR. JAMES CASE, MD

Associate Medical Director

Mercy Health — Life Flight Network

In this session, students will review the prognostication of the post-resuscitation patient and their care continuum.

Students will review post-resuscitation treatment options for trauma, cardiac, medical, neurological and pediatric post-resuscitation patients during critical care transport.

Clinical considerations and management will be reviewed, including: when to initiate transport, airway, ventilation and oxygenation optimization, managing hemodynamic and cardiovascular instability, blood pressure and sedation management.

10:30–11:30 a.m.: Ultrasound: Can We Use It Outside the Hospital?

DR. WILLIAM KREBS, DO

Associate Professor, Ohio State University College of Medicine Cleveland Metro Flight Physician

Point of Care Testing Ultrasound (POTUS) technological advancements have made ultrasound more advanced, portable and affordable. They have greatly improved patient care in both emergency medicine and critical care. With their increased affordability and portability, they are also increasingly advocated for EMS and critical care transport. This course will introduce the role and basics of POTUS for the critical care provider.

11:45 a.m.–12:45 p.m.: LUNCH PROVIDED

1–2 p.m.: Advanced Trauma Hemorrhage Control & Management During Transport

DR. STEPHEN ZOHAN, MD

Mercy Health Life Flight Medical Director & Attending Emergency Medicine Physician

Hemorrhage control is challenging in any environment.

This session will address several basic and advanced concepts, management techniques, pharmacological interventions, fluid resuscitation and blood transfusion methods to control and resuscitate the hemorrhaging patient at the scene and during transport to definitive care.

2–3 p.m.: Advanced Thoracic Trauma Care & Transport

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

This session will address thoracic trauma and the importance of early assessment and treatment options. CCT providers have additional skill sets that can improve patient outcome when properly assessed and managed in a timely manner.

This session will also review current trends and practices in the management of chest trauma as it related to out-of-hospital care and critical care transport.

3:15p–4:15p: Advanced Obstetrics & Neonate Transports

KIMBERLY JOHNSON, 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.

4:30p–5:30p: Advanced Metabolic Disorders in Pediatrics

MARY ANN FORRESTER, RN

EMS Coordinator

Akron Children Hospital

This session will address the pathophysiology, management and transport considerations of several common and uncommon metabolic disorders in the pediatric population that can be challenging to manage during critical care transport. Metabolic disorders covered, include: diabetic ketoacidosis (DKA), hyperosmolar hyperglycemic state (HHS), diabetes insipidus (DI), syndrome of inappropriate secretion of antidiuretic hormone (SIADH), adrenal insufficiency (AI), congenital adrenal hyperplasia, inborn errors of metabolism, rhabdomyolysis and water intoxication.



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

FEBRUARY 6-7, 2018

GENERAL INFORMATION:

2018 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.

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:
Dan Crots at drcrots@mercy.com

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.

Michigan EMS: Mercy Health Life Flight Critical Care Transport Medicine Review Course is approved by the Michigan Department of Health and Human Services, Bureau of EMS, Trauma, and Preparedness for Michigan EMS CEs

If you have questions, please email, drcrots@mercy.com

Ohio Nursing: Mercy Health Toledo is an approved 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:

DAN CROTS, MA, IC-P, FP-C, NRP
CCT Paramedic
Mercy Health — Life Flight Network

Associate Faculty:

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Life Flight Safety Manager/Pilot
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