



# FUNDAMENTAL OF CRITICAL CARE SUPPORT

Society of Critical Care Medicine

SEPTEMBER 3 & 4, 2024  
7:00 AM - 5:00 PM

John M. Geesbreght Education Center  
Marion Emergency Care Building  
Texas Health Harris Methodist Downtown Fort Worth

**WHAT IT IS** Fundamental of Critical Care Support (FCCS) is a course developed by the Society of Critical Care Medicine (SCCM). This nationally recognized course introduces principles important in the initial care of critically ill patients. It offers a combination of expert-developed presentations and interactive, team-based skills stations, providing attendees with a solid foundation of critical care knowledge and skills.

**WHY IT MATTERS** Early identification of patients with life-threatening illnesses is critical to prevent deterioration. Many clinical diagnoses, if recognized quickly, can be effectively managed through the right interventions. Being able to identify patients in trouble gives the healthcare team more time to identify the problem, determine its cause, and begin immediate treatment. The longer the interval between the onset of illness and intervention, the more likely the patient will deteriorate, unfortunately even to the point of a cardiac arrest. The purpose of the FCCS course is to ensure that the clinical team has the knowledge, skills, and abilities to better recognize, assess, and rapidly intervene when there is a deteriorating patient in both the ICU and non-ICU clinical settings.

## **DIRECTOR**

Jason Cain, BSN, MBA, RN, CCRN

## **SUPERVISORS**

Jonathan Ives, MBA, PA-C

Mark VanWart, BSN, RN

Sarah Shaffer, PA-C

## **FACULTY**

Abigale Henry, MD

Alpesh Amin, MD

Alvin Mathe II, DO

Chris Tawwater, PharmD

Dapo Afolabi, MD

John Hollingsworth II, MD

Jonathan Besas, DO

Mohamed Osman, MD

Muhammad Sarwar, MD

Sai Guda, DO

Uzer Khan, MD

Amy Bird, ACNP-BC

Erin Rutledge, PA-C

Jonathan Ives, MBA, PA-C

Kelli Vogler, PA-C

Kenneth Collins, AGACNP-BC

Sarah Shaffer, PA-C

## **TARGET AUDIENCE**

physicians, physician assistants, nurse practitioners, respiratory therapists, registered nurses, residents, hospitalists, and pharmacists

# TOPICS & OBJECTIVES

## **Mechanical Ventilation**

- Describe the indications for noninvasive positive pressure ventilation
- Describe characteristics of different type of breaths and modes on the ventilator

## **Recognition Of The Critically Ill Patient**

- Discuss the initial assessment and treatment of the critically ill patient
- Recognize early signs and symptoms of a sick patient

## **Cardiopulmonary Resuscitation**

- Propose a process for delegating responsibilities in the setting of a cardiopulmonary arrest
- Emphasize goals in brain protection and recovery

## **Acute Respiratory Failure**

- Define / classify acute respiratory failure
- Describe the pathophysiology and manifestations of acute respiratory failure
- Discuss oxygen supplementation

## **Oxygen & Acid-Base Balance**

- Outline determinants of oxygen balance
- Recognize disorders of blood flow
- Explain the use of acid-base status as a monitor in the seriously ill patient

## **Basic Trauma / Burn Support**

- Prioritize and initiate an assessment of the traumatized patient
- Identify and respond to changes in the status of the injured patient

## **Airway Management**

- Explain manual techniques for obtaining an airway and for mask ventilation
- Describe alternative methods for securing a difficult airway

## **Diagnosis & Management of Shock**

- Identify main categories of shock
- Summarize the principles of managing shock states
- Know effects of vasopressors / inotropes

## **Acute Coronary Syndrome**

- Identify patients with NSTEMIs vs STEMIs
- Recognize complications of myocardial infarctions and outline appropriate management

## **Special Considerations**

- Outline the diagnosis and management of pulmonary emboli, drug overdoses, and gastrointestinal bleeds
- Know principles that guide management of temperature-related injuries

## **Ethics in Critical Care Medicine**

- Discuss ethical dilemmas that involve withdrawal of life support
- Know the decision-making process in medical ethics

## **Electrolyte and Metabolic Issues**

- Describe the management of severe electrolyte disturbances
- List manifestations of adrenal insufficiency in the critically ill patient

## **Life Threatening Infections**

- Identify clinical manifestations of life-threatening infections
- Outline antimicrobial treatment for empiric therapy and specific infections

## **Neurological Support**

- Discuss the principles of primary and secondary brain insult and the common mechanisms of neuronal injury
- List the management of brain injuries

**PREREQUISITES / REQUIREMENTS:** There are no prerequisites for this course.

Participants must complete the FCCS pre-test online, before attending the course. To complete the course and receive credit, participants must sign in each day, participate in all lectures and skill stations, complete the course evaluation, and score 70% or higher on the post-test.

---

**REGISTRATION:** Make sure to register by August 20, 2024. The cost is as follows:

Physicians/APPs	\$650	Non-providers	\$150
-----------------	-------	---------------	-------

Of note, all registered nurses at Texas Health Harris Methodist Hospital will not be required to pay the above registration fee. Please email [sarahshaffer@texashealth.org](mailto:sarahshaffer@texashealth.org) to fill out a registration form, make a payment, pick up your FCCS book, and for additional questions.

---

**CANCELLATION:** Cancellation requests must be made to [sarahshaffer@texashealth.org](mailto:sarahshaffer@texashealth.org).

Requests must be received by August 20, 2024. A refund will be issued, but note that a \$75 cancellation fee will be assigned. There will be no refunds for no-shows or cancellations received after August 20th.

---

**DESIGNATION OF CREDIT:** Physicians are eligible to receive a total of 15.25 AMA

PRA Category 1 CME Credits for attending this two-day educational course. Please only claim credit for the sessions that you attended.

A certificate of attendance will be provided to other health care professionals for requesting credits in accordance with nursing boards, specialty societies, or other professional associations.