

Approved for:  
AMA Category 1 Credit  
AOA Category 1-A Credit  
ANCC Credit  
AAPA Credit  
Trauma Credit Hours  
Prehospital Credit

UPMC Hamot Continuing  
Medical Education presents:

# 2021 Critical Care & Emergency Medicine Conference



VIRTUAL ZOOM EVENT

Friday, Sept. 17, 2021

**COURSE DIRECTORS:**

Kristin A. Juhasz, DO  
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Core Faculty  
UPMC Hamot

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Department of Critical Care  
Associate Director of Critical Care  
Director of Critical Care Education,  
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UPMC Hamot

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COLLEGE OF OSTEOPATHIC MEDICINE

## PROGRAM OUTLINE

8 to 8:05 a.m.	<b>Introduction</b>
8:05 to 8:35 a.m.	<b>Noninvasive Ventilation</b> <i>Ronaldo Sevilla Berrios, MD</i>
8:40 to 9:20 a.m.	<b>Balanced Versus Unbalanced Crystalloids in Critical Care</b> <i>Venu Velagapudi, MD</i>
9:25 to 10:05 a.m.	<b>Vasopressors Inotropes in Shock</b> <i>Carlos Racedo Africano, MD</i>
10:10 to 10:25 a.m.	<b>Break/Virtual Exhibit Hall</b>
10:25 to 10:55 a.m.	<b>Modern Quandaries in Pulmonary Medicine</b> <i>Stephen Kovacs, DO</i>
11 to 11:30 a.m.	<b>ARDS &amp; Rescue Therapy*</b> <i>Heidi Storer, DO</i>
11:35 a.m. to 12:05 p.m.	<b>ICP Crisis Management</b> <i>Logan Pyle, DO</i>
12:10 to 12:45 p.m.	<b>Break/Virtual Exhibit Hall</b>
12:45 to 1:45 p.m.	<b>“How I Manage” Panel Discussion</b> <i>Christopher Cammarata, DO;</i> <i>Jonathan Miller, MD; Carlos Racedo Africano, MD;</i> <i>Ronaldo Sevilla Berrios, MD</i>
1:45 to 2:15 p.m.	<b>Transition of Care: ED to ICU*</b> <i>Lauren Whitman, BSN</i>
2:20 to 2:35 p.m.	<b>Break/Virtual Exhibit Hall</b>
2:35 to 3:15 p.m.	<b>Hyperglycemic Crisis (DKA)</b> <i>Katie McGuire, PA-C</i>
3:20 to 3:50 p.m.	<b>Hematologic Oncology</b> <i>David Seastone, DO, PhD</i>
3:55 p.m.	<b>Closing Remarks and Adjournment</b>

*\*Approved for Trauma Credit Hours*

**JOIN OUR EMAIL LIST:** To receive links to electronic brochures in the future and join our email list, please be sure to provide your email address on the registration form. **Your email address will not be sold or used for any purpose other than to inform you about CME opportunities at UPMC Hamot.**

## NEED

Research and evidence often surpass current practice standards; therefore, health care providers must be able to assess and implement improved patient care in advance of published standards. As new trends emerge, it is the responsibility of health care providers to facilitate implementation of practice change to incorporate emerging technologies and adapt to changing practice environments. Standardization of care in tertiary and regional emergency centers is a crucial factor in providing consistent, high-quality care to the regional community.

## GOAL

This activity has been designed to increase the participant's critical thinking and knowledge of some common and not-so-common challenges in critical care and emergency medicine. Specific topics were selected based on challenges faced almost daily in critical care and emergency patient care, as well as ongoing and emerging health care concerns and trends. Ample time for questions and answers has been built in to each presentation. Audience members will also have the opportunity to speak one-on-one with presenters during refreshment breaks and lunch.

## TARGET AUDIENCE

Critical care and emergency medicine physicians, hospitalists, nurses, advanced practice providers, and prehospital personnel, as well as primary care practitioners with an interest in critical care and emergency medicine will benefit from attendance at this activity.

## OBJECTIVES

*At the conclusion of this activity, the participants should be able to:*

- Discuss the management of noninvasive ventilation in acute respiratory failure
- Review indications of noninvasive ventilation
- Review contradictions and troubleshooting of noninvasive ventilation
- Discuss evidence on normal saline versus balanced fluids in emergency medicine and critical care
- Summarize the pros and cons of saline versus fluids in different patients
- Describe the application of vasopressor and inotrope physiology
- Identify clinical indications of certain vasopressors and inotropes
- Review clinical evidence behind indications for vasopressors and inotropes
- Review the pathophysiology of vaping and the effects on the lungs
- Discuss best management practices for those suspected to have EVALI
- Recognize the clinical characteristics of ARDS
- Discuss the appropriate management of patients with ARDS
- Describe identification and treatment for bleeding, platelet, and white blood cell disorders
- Review key considerations for selection of blood transfusion products with decreased risk of harm for severely immunosuppressed patients

- Discuss treatment strategies for emergent malignancy complications, including neutropenic fever, spinal cord compression, pericardial effusion, and several common syndromes
- Compare and contrast management styles in the emergency department versus ICU
- Describe best practices for patient transfer from the emergency department to the ICU
- Identify hyperglycemic crisis in the ER and ICU
- Describe pearls and pitfalls in the management of the hyperglycemic crisis
- Recognize the signs and symptoms of elevated ICP
- Discuss the best management practices for ICP crisis in the ED and ICU settings

## **ACCREDITATION**

In support of improving patient care, the University of Pittsburgh is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

## **PHYSICIAN (CME)**

The University of Pittsburgh designates this live activity for a maximum of *6 AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## **NURSING (CNE)**

The maximum number of hours awarded for this Continuing Nursing Education activity is 6 contact hours. Nurses should claim only the credit commensurate with the extent of their participation in the activity.

## **PHYSICIAN ASSISTANT (AAPA)**

The University of Pittsburgh has been authorized by the American Academy of PAs (AAPA) to award AAPA Category 1 CME credit for activities planned in accordance with AAPA CME Criteria. This activity is designated for 6 AAPA Category 1 CME credits. PAs should only claim credit commensurate with the extent of their participation.

## **AOA DESIGNATION**

The Philadelphia College of Osteopathic Medicine is accredited by the American Osteopathic Association to provide osteopathic continuing medical education for physicians. The Philadelphia College of Osteopathic Medicine designates this program for a maximum of six hours of AOA Category 1-A credits and will report CME and specialty credits commensurate with the extent of the physician's participation in this activity.

## **OTHER HEALTH CARE PROFESSIONALS**

Other health care professionals will receive a certificate of attendance confirming the number of contact hours commensurate with the extent of participation in this activity.

## **PREHOSPITAL CONTINUING EDUCATION CREDITS**

Continuing education credits for prehospital emergency medicine services personnel have been applied for.

## **TRAUMA CREDIT HOURS**

Select sessions meet the requirements for trauma education hours. The maximum trauma education credit available for this conference is 1.0.

## **DISCLOSURE**

Faculty for this activity have been required to disclose all relationships with any proprietary entity producing health care goods or services, with the exemption of non-profit or government organizations and non-health-care-related companies.

## **LOCATION**

Due to COVID-19, the conference will be held virtually, as a Zoom event. Pre-registrants will be sent the conference link prior to the conference, and it will also be available on the conference website for those who have registered.

## **CANCELLATION POLICY**

Please notify UPMC Hamot's CME Department of substitutions and cancellations, via email to [ham\\_cme@upmc.edu](mailto:ham_cme@upmc.edu) or by telephone at 814-877-5691.

UPMC Hamot reserves the right to cancel this program if sufficient registrations are not received. In the case of cancellation, registration fees will be fully refunded. Preregistrants will be informed of the cancellation via ***email, or phone if no email address is given.***

## **UPMC EMPLOYEE PAYMENT**

### **VIA JOURNAL ENTRY TRANSFER OR MEB SCHOLARSHIP FUNDS**

If you are a UPMC employee and your department will be responsible for payment, we can charge your department directly. DO NOT SUBMIT a disbursement to UPMC Accounts Payable.

For journal transfer and MEB forms, please visit: <https://cce.upmc.com/upmchamot2021criticalcare>.

Under "Register" you will be able to print and fill out the appropriate forms.



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## REGISTRATION

The registration fee includes attendance at the seminar and electronic educational materials. If you have any questions, please contact the CME Information line at 814-877-5691.

All registration will be through our online registration site at: <https://cce.upmc.com/upmchamot2021criticalcare>.

Click the “Register” button and enter all the requested information. After registering, an electronic confirmation will be sent to you. Online registration is complete upon receipt of a confirmation email. If you do not receive this letter within 5–7 days of registration, please contact the UPMC Hamot CME Department at 814-877-5691.

**If you are required to pay by check**, please contact the Hamot CME Department at: 814-877-5691 or e-mail [HAM\\_CME@upmc.edu](mailto:HAM_CME@upmc.edu).

## FEES:

Physicians .....	\$100
Advanced Practice Providers .....	\$45
Nurse/Other .....	\$30
Prehospital Personnel .....	\$15
Residents/Students .....	Free

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## **FACULTY**

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