

**Location:**

UIC College of Pharmacy and Live Webinar  
833 S. Wood Street, Room 134-1  
Chicago, IL 60612

**Saturday, August 26, 2023**

**8:30 AM - 5:00 PM**

**Target Audience:**

Pharmacists, physicians, physician assistants, nurses, and nurse practitioners who manage critically ill patients.

**Type of Activity:**

Knowledge-Based and Application-Based Activity

**Program Description:**

Critical care practice & related pharmacotherapy encompasses a wide variety of disease states. New developments challenge the practitioner to stay abreast of emerging therapies & novel treatment strategies. This conference will focus on clinical controversies or novel therapies across the gamut of critical care medicine. A panelist discussion featuring critical care professionals who have moved from the bedside to another practice setting will deliver our featured session entitled, "Reinventing Your Practice – Beyond the Bedside." Our clinical topics will highlight timely adult and pediatric topics across multiple intensive care units, including medical, cardiac, surgical/trauma, as well as the emergency department.

**Registration:**

**Registration Fee:** \$75.00

**Registration Deadline:** Monday, August 21, 2023

Registration fee includes up to 10.0 contact hours (1.0 CEUs) of continuing pharmacy education credits, or up to 10.0 contact hours of AMA PRA Category 1 Credit(s)<sup>™</sup> continuing medical education for the live/homestudy program. Nurses can earn up to 5.0 contact hours of continuing nursing education credits for the live program. Advanced practice nurses may count a total of 5.0 contact hours (Adult Track) or 4.0 contact hours (Pediatric Track) for the pharmacotherapeutic educational requirement. All tracks will be available for participants as future homestudies and participants can earn up to a total of 10 credit hours (live + homestudy) for CE, CME, and CNE. You will receive a free access code for each session. If you received CE, CME, or CNE for the live program, you cannot receive CE, CME, or CNE credit for the same sessions as a homestudy. Handouts will be provided electronically for attendees to download and print before the conference.

**Program Chair:**

**Stephanie Dwyer Kaluzna, PharmD, BCCP**

*Clinical Assistant Professor*

*University of Illinois Chicago College of Pharmacy*

**Acknowledgments:**

This activity is supported in part by an educational grant by **Fresenius Kabi**, a **Gold Sponsor** of the Chicagoland Critical Care Conference.

For more information, visit <https://C4conference.edu>

## Speakers:

### **Gillian Brennan, MD, BCh, BAO**

*Assistant Professor of Pediatrics  
Section of Neonatology  
University of Chicago*

### **Deborah Bondi, PharmD, FCCP, BCPS, BCPPS**

*Pediatric Clinical Pharmacy Coordinator and NICU  
Clinical Pharmacy Specialist  
PGY2 Pediatric Pharmacy Residency Program Director  
The University of Chicago Medicine, Comer Children's  
Hospital*

### **Heather Bullard, PharmD, BCCCP, FCCM**

*Clinical Coordinator, Adult Critical Care  
Clinical Pharmacist Specialist, Cardiothoracic Surgery  
The University of Chicago Medicine*

### **Michelle Caruso Barrett, PharmD, BCPS, BCPPS**

*Clinical Pharmacy Specialist  
Emergency Medicine and Critical Care Transport Team  
Cincinnati Children's Hospital Medical Center*

### **Susan Corbridge, PhD, APRN, FAANP, FCCP, FAAN**

*Chief Essentials Program Officer  
American Association of Colleges of Nursing (AACN)*

### **Tom Corbridge, MD, FCCP**

*GSK US Medical Affairs  
Senior Medical Lead – Respiratory Biologics  
Emeritus Physician  
Northwestern Memorial Hospital  
Adjunct Professor of Medicine  
Division of Pulmonary and Critical Care  
Northwestern University, Feinberg School of Medicine*

### **Robert J. DiDomenico, PharmD, FCCP, FHFSA, FACC**

*Associate Professor  
Assistant Head, Faculty Affairs & Strategic Initiatives  
Department of Pharmacy Practice  
University of Illinois at Chicago College of Pharmacy  
Clinical Pharmacist  
UI Health*

### **Elizabeth A.S. Goswami, PharmD, BCPS, BCPPS**

*Clinical Pharmacy Specialist, Pediatric Nephrology  
The Johns Hopkins Hospital*

### **Margaret Heger, PharmD, BCPS, BCPPS**

*Pediatric Pharmacy Supervisor  
PGY2 Pediatric Pharmacy Residency Program Director  
OSF HealthCare Children's Hospital of Illinois*

### **Morgan Jones, PharmD, FCCM, FNCS**

*Medical Science Liaison  
Chiesi*

### **Sean P. Kane, PharmD, BCPS**

*Associate Professor, Pharmacy Practice and Assistant  
Dean for Assessment  
Rosalind Franklin University of Medicine and Science  
Critical Care Pharmacist  
Advocate Condell Medical Center*

### **Ishaq Lat, PharmD, MBA, FCCP, FCCM**

*Vice President, Clinical Services  
CPS Solutions*

### **Shannon Lovett, MD, FACEP**

*Associate Professor  
Associate Medical Director, ED Clinical Operations  
Department of Emergency Medicine  
Stritch School of Medicine, Loyola University*

### **Sherry Luedtke, PharmD, FPPAG**

*Associate Professor, Department of Pharmacy Practice  
Texas Tech University Health Sciences Center  
Clinical Pharmacist  
Texas Tech University HSC School of Medicine*

### **Alfredo J. Mena Lora, MD, FIDSA, FACP**

*Assistant Professor of Medicine  
Program Director, Infectious Diseases Fellowship  
Program  
Department of Medicine, Section of Infectious Diseases  
University of Illinois at Chicago  
Medical Director of Clinical Trial Unit  
Saint Anthony Hospital*

### **Kirsten H. Ohler, PharmD, FCCP, BCPS, BCPPS**

*Program Director  
PGY1 Pharmacy Residency  
Clinical Associate Professor  
Department of Pharmacy Practice  
College of Pharmacy  
Clinical  
Pharmacist NICU  
/ Pediatrics  
University of Illinois Hospital & Health Sciences System*

### **Kerilyn Petrucci, PharmD, BCCCP**

*Clinical Pharmacy Specialist, Surgery/Trauma ICU  
The University of Chicago Medicine*

### **Megan A. Rech, PharmD, MS, FCCM, FCCP, BCCCP**

*Emergency Medicine Clinical Pharmacist  
PGY-2 Critical Care Pharmacy Residency Director  
Affiliate Assistant Professor - Department of Emergency  
Medicine  
Research Director - Department of Emergency Medicine  
Stritch School of Medicine, Loyola University Chicago  
Loyola University Medical Center*

### **Sana J Said, PharmD, BCPPS**

*Clinical Pharmacy Specialist – Pediatric Intensive Care  
Unit  
University of Chicago Medicine, Comer Children's  
Hospital*

**Candice Schaper, MSN, RN, CFRN, CCRN, CEN,  
PHRN**

*UCAN Flight Nurse*

*The University of Chicago Medicine*

**Marc H. Scheetz, PharmD, MSc, FCCP, FCP**

*Professor, Midwestern University*

*College of Pharmacy Downers Grove*

*Director, Pharmacometrics Center of Excellence*

*Infectious Diseases Pharmacist, Northwestern Medicine*

*Department of Pharmacy*

**Alissa Shega, PharmD, BCCP**

*Clinical Pharmacist- Cardiac Intensive Care Unit*

*Rush University Medical Center*

**Patrick M. Wieruszewski, PharmD, BCCCP**

*Assistant Professor of Anesthesiology Assistant*

*Professor of Pharmacy Cardiothoracic Surgery & ECMO*

*Program Mayo Clinic*

## **Overall CME Program Objectives:**

- Identify current treatment challenges and controversies in the management of critically ill patients.
- Develop evidence-based treatment plans for patients admitted to intensive care units.
- Discuss alternative career paths following direct patient care in the intensive care unit.
- Identify obstacles and challenges faced by health care workers navigating new career paths.

## **Agenda:**

**\*\*Please note: You may attend either the adult or pediatric track at any time.**

### **ADULT TRACK**

<b>TIME</b>	<b>SESSION NAME</b>
<b>8:00 am – 8:30 am</b>	<b>Registration, Continental Breakfast, and Exhibitor Showcase</b>
<b>8:30 am – 8:40 am</b> (Room 134-1)	<b>Welcome/opening remarks</b> <i>Stephanie Dwyer Kaluzna, PharmD, BCCP</i>
<b>8:40 am – 9:40 am</b> (Room 134-1)	<b>Here's What's Bugging Us: Multi-Drug Resistance and Beta-Lactam Pharmacokinetics</b> <i>Alfredo J. Mena Lora, MD, FIDSA, FACP and Marc H. Scheetz, PharmD, MSc, FCCP, FCP</i> A Knowledge-Based Activity ACPE UAN # 0016-0000-23-030-L01-P, 1.0 contact hour, 1.0 AMA PRA Category 1 Credit(s) <sup>™</sup> CME, 1.0 contact hour CNE  Learning Objectives: <ul style="list-style-type: none"><li>• Review the current state of the evidence for treatment of multidrug resistant organisms in the ICU</li><li>• Identify the best antimicrobials for the treatment of severe bloodstream infections and pneumonias in the ICU</li><li>• Review the national and international uptake of beta-lactam monitoring</li><li>• Describe variability in beta-lactam exposure seen in intensive care patients and define population dosing and precision dosing</li></ul>
<b>9:40 am – 10:40 am</b> (Room 134-1)	<b>The Goldilocks Principle: Optimal Antithrombotic Strategies in the Cardiac ICU</b> <i>Robert J. DiDomenico, PharmD, FCCP, FHFSA, FACC, Alissa Shega, PharmD, BCCP and Patrick Wieruszewski, PharmD, BCCCP</i> A Knowledge-Based Activity ACPE UAN # 0016-0000-23-031-L01-P, 1.0 contact hour, 1.0 AMA PRA Category 1 Credit(s) <sup>™</sup> CME, 1.0 contact hour CNE  Learning Objectives: <ul style="list-style-type: none"><li>• Review the pharmacology of bivalirudin and alternative parenteral anticoagulants used to treat acute coronary syndrome (ACS)</li><li>• Review the safety and efficacy of bivalirudin and other parenteral anticoagulants for the treatment of ACS</li><li>• Discuss updates in the management of purge solution for patients receiving Impella® support</li><li>• Discuss pharmacologic strategies for maintenance anticoagulation during extracorporeal membrane oxygenation (ECMO)</li></ul>
<b>10:40 am – 11:10 am</b>	<b>Break and Exhibitor Showcase</b> <b>Impella Breakout Activity #1</b>
<b>11:10 am – 12:15 pm</b> (Featured session, Room 134-1)	<b>Reinventing Your Practice - Beyond the Bedside</b> Not eligible for CPE/CME/CNE credit <i>Panel Moderator:</i> <i>Scott T. Benken, PharmD, MHPE, BCPS-AQ Cardiology, FCCM, FCCP</i>  <i>Panelists:</i> <i>Susan Corbridge, PhD, APRN, FAANP, FCCP, FAAN</i> <i>Tom Corbridge, MD, FCCP</i> <i>Morgan Jones, PharmD, FCCM, FNCS</i> <i>Ishaq Lat, PharmD, MBA, FCCP, FCCM</i> <i>Kirsten H. Ohler, PharmD, FCCP, BCPS, BCPPS</i>

<b>12:15 pm – 1:15 pm</b>	<b>Boxed Lunch and Exhibitor Showcase</b> <b>Impella Breakout Activity #2</b>
<b>1:15 pm – 2:15 pm</b> (Room 134-1)	<b>Fear is Not a Factor for You! Practical Approaches to Blood and Factors in the Intensive Care Unit</b> <i>Heather Bullard, PharmD, BCCCP, FCCM and Kerilyn Petrucci, PharmD, BCCCP</i> A Knowledge-Based Activity ACPE UAN # 0016-0000-23-032-L01-P, 1.0 contact hour, 1.0 AMA PRA Category 1 Credit(s) <sup>™</sup> CME, 1.0 contact hour CNE  Learning Objectives: <ul style="list-style-type: none"> <li>• Describe strategies, pharmacologic and non-pharmacologic, to optimize the pre-operative blood avoidance patient</li> <li>• Summarize available supportive care strategies for intra-operative blood conservation management</li> <li>• Describe patient specific factors that influence the choice of continued transfusion vs. factor product administration in the bleeding patient</li> </ul>
<b>2:15 pm – 2:45 pm</b>	<b>Break and Exhibitor Showcase</b> <b>Impella Breakout Activity #3</b>
<b>2:45 pm – 3:45 pm</b> (Room 134-1)	<b>Revamp Your Sepsis Bundle - Controversies with Vasopressors in Septic Shock</b> <i>Sean P. Kane, PharmD, BCPS and Candice Schaper, MSN, RN, CFRN, CCRN, CEN, PHRN</i> A Knowledge-Based Activity ACPE UAN # 0016-0000-23-033-L01-P, 1.0 contact hour, 1.0 AMA PRA Category 1 Credit(s) <sup>™</sup> CME, 1.0 contact hour CNE  Learning Objectives: <ul style="list-style-type: none"> <li>• Explain the concept of a “maximum” dose of a vasopressor for septic shock and identify strategies to achieve goal mean arterial pressure in patients who exceed this maximum.</li> <li>• Discuss optimal sedation strategies for mechanically ventilated patients with septic shock requiring vasopressor therapy</li> <li>• Describe risk associated with use of vasopressors through peripheral access</li> <li>• Review risks associated with specific vasopressor agents used peripherally</li> <li>• Describe reasonable surveillance of peripheral IV with administration of vasopressor agents and options for management of an identified extravasation event</li> </ul>
<b>3:45 pm – 4:45 pm</b> (Room 134-1)	<b>In the Arrest, Who You Gonna Call? Clot Busters?</b> <i>Megan A. Rech, PharmD, MS, FCCM, FCCP, BCCCP and Shannon Lovett, MD, FACEP</i> An Application-Based Activity ACPE UAN # 0016-0000-23-034-L01-P, 1.0 contact hour, 1.0 AMA PRA Category 1 Credit(s) <sup>™</sup> CME, 1.0 contact hour CNE  Learning Objectives: <ul style="list-style-type: none"> <li>• Discuss the advantages to use and literature supporting thrombolytics in the setting of cardiac arrest</li> <li>• Describe the safety concerns and disadvantages to administering thrombolytics in the setting of cardiac arrest</li> <li>• Appraise the selection of thrombolytic agent in the setting of cardiac arrest</li> </ul>
<b>4:45 pm – 5:00 pm</b>	<b>Closing remarks</b> <i>Stephanie Dwyer Kaluzna, PharmD, BCCP</i>
<b>5:00 pm – 6:00 pm</b>	<b>Networking Reception</b>

## Agenda:

**\*\*Please note: You may attend either the adult or pediatric track at any time.**

### PEDIATRIC TRACK

TIME	SESSION NAME
8:00 am – 8:30 am	<b>Registration, Continental Breakfast, and Exhibits</b>
8:30 am – 8:40 am (Room B36)	<b>Welcome/opening remarks</b> <i>Kirsten H. Ohler, PharmD, FCCP, BCPS, BCPPS</i>
8:40 am – 9:40 am (Room B36)	<b>NICU Potpourri of Pearls</b> Deborah Bondi, PharmD, FCCP, BCPS, BCPPS and Sana J Said, PharmD, BCPPS A Knowledge-Based Activity ACPE UAN # 0016-0000-23-035-L01-P, 1.0 contact hour, 1.0 AMA PRA Category 1 Credit(s) <sup>™</sup> CME, 1.0 contact hour CNE  Learning Objectives: <ul style="list-style-type: none"> <li>Describe the role of various factor products in the treatment of hemorrhagic shock in neonates</li> <li>Describe alternative administration techniques (e.g., single syringe) for adenosine</li> <li>Discuss updates to neonatal resuscitation guidelines with a focus on epinephrine dosing</li> </ul>
9:40 am – 10:40 am (Room B36)	<b>Acute kidney injury in neonates and children</b> Elizabeth A.S. Goswami, PharmD, BCPS, BCPPS An Application-Based Activity ACPE UAN # 0016-0000-23-039-L01-P, 1.0 contact hour, 1.0 AMA PRA Category 1 Credit(s) <sup>™</sup> CME, 1.0 contact hour CNE  Learning Objectives: <ul style="list-style-type: none"> <li>Identify acute kidney injury (AKI) in children and neonates</li> <li>Discuss interventions to prevent and mitigate AKI in children and neonates</li> <li>Develop strategies to optimize drug dosing in neonates and children with AKI</li> </ul>
10:40 am – 11:10 am	<b>Break and Exhibits</b>
11:10 am – 12:15 pm (Featured session, Room 134-1)	<b>Reinventing Your Practice - Beyond the Bedside</b> Not eligible for CPE/CME/CNE credit <i>Panel Moderator:</i> <i>Scott T. Benken, PharmD, MHPE, BCPS-AQ Cardiology, FCCM, FCCP</i>  <i>Panelists:</i> <i>Susan Corbridge, PhD, APRN, FAANP, FCCP, FAAN</i> <i>Tom Corbridge, MD, FCCP</i> <i>Morgan Jones, PharmD, FCCM, FNCS</i> <i>Ishaq Lat, PharmD, MBA, FCCP, FCCM</i> <i>Kirsten H. Ohler, PharmD, FCCP, BCPS, BCPPS</i>
12:15 pm – 1:15 pm	<b>Boxed Lunch and Exhibitor Showcase</b> <b>Impella Breakout Activity #2</b>
1:15 pm – 2:15 pm (Room B36)	<b>Pediatric Trauma</b> <i>Michelle Caruso Barrett, PharmD, BCPS, BCPPS</i> A Knowledge-Based Activity ACPE UAN # 0016-0000-23-037-L01-P, 1.0 contact hour, 1.0 AMA PRA Category 1 Credit(s) <sup>™</sup> CME, 1.0 contact hour CNE  Learning Objectives: <ul style="list-style-type: none"> <li>Outline a plan for pain control in the pediatric trauma patient</li> <li>Review a plan for antimicrobial prophylaxis based on assessment of a patient's injuries</li> <li>Review a plan for management of coagulopathies for pediatric trauma patients</li> </ul>

<b>2:15 pm – 2:45 pm</b>	<b>Boxed Lunch and Exhibitor Showcase</b> <b>Impella Breakout Activity #2</b>
<b>2:45 pm – 3:45 pm</b> (Room B36)	<b>Research and Simulation Training in Pediatrics</b> <i>Sherry Luedtke, PharmD, FPPAG</i> <i>Gillian Brennan, MD, BCh, BAO</i>  A Knowledge-Based Activity ACPE UAN # 0016-0000-23-038-L01-P, 1.0 contact hour, 1.0 AMA PRA Category 1 Credit(s) <sup>™</sup> CME, 1.0 contact hour CNE  Learning Objectives: <ul style="list-style-type: none"> <li>• Review examples of innovative research trial methodologies and resources available to assist researchers</li> <li>• Outline the gaps and barriers to drug therapy research and labeling in children</li> <li>• Identify ideas for pediatric drug therapy research from one's individual practice</li> <li>• Summarize the development of simulation</li> <li>• Summarize the various types of medical simulation</li> <li>• Describe examples of how medical simulation can be used in pharmacy</li> </ul>
<b>3:45 pm – 4:45 pm</b> (Room B36)	<b>Use of Novel Antimicrobial Agents: Evidence in Treating Pediatric and Neonatal Patients</b> <i>Margaret Heger, PharmD, BCPS, BCPPS</i> A Knowledge-Based Activity ACPE UAN # 0016-0000-23-036-L01-P, 1.0 contact hour, 1.0 AMA PRA Category 1 Credit(s) <sup>™</sup> CME, 1.0 contact hour CNE  Learning Objectives: <ul style="list-style-type: none"> <li>• Describe the evidence supporting novel antimicrobials in treating resistant gram negative infections and dosing in pediatric and neonatal patients</li> <li>• Describe the evidence supporting novel antimicrobials in treating resistant gram positive infections and dosing in pediatric and neonatal patients</li> <li>• Review evidence supporting shorter course antibiotics for pediatric pneumonia</li> </ul>
<b>4:45 pm – 5:00 pm</b>	<b>Closing remarks</b> <i>Kirsten H. Ohler, PharmD, FCCP, BCPS, BCPPS</i>
<b>5:00 pm – 6:00 pm</b>	<b>Networking Reception</b>

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## Disclosures:

- Dr. Michelle Caruso Barrett, a speaker, is a consultant for Wolters Kluwer-Lexicomp.
- Dr. Robert DiDomenico, a speaker, is a consultant for PhaseBio Pharmaceuticals, Inc and received grant/research support from CSL Behring.
- Dr. Megan Rech, a speaker, has received grant/research support from Spero pharmaceuticals.
- Dr. Marc Scheetz, a speaker, is a consultant for AbbVie; Chambless, Higdon, Richardson, Katz & Griggs, LLP; Cidara; F2G; Guidepoint Global Consulting; Hall, Booth, Smith P.C.; Merck; Nevakar; Reminger Co., L.P.A; Spero; SuperTrans; Takeda; Taylor, English, Duma, LLP; and Third Pole Therapeutics. Dr. Scheetz has received honoraria from St. Jude and ASHP and was a grant investigator for Allegra, Cystic Fibrosis Foundation, and the NIH.
- Dr. Patrick Wieruszewski, a speaker, is a consultant for La Jolla Pharmaceutical Company.
- Dr. Scott Benken, a planning committee member, is on the speakers bureau for LaJolla Pharmaceuticals and received grant/research support from Veloxis Pharmaceuticals.
- Dr. Deborah Bondi, a speaker and planning committee member, is a consultant for Wolters Kluwer-Lexicomp.
- Dr. Laura Celmins, a planning committee member, is a consultant for Merck.
- Dr. Marc McDowell, a planning committee member, received an investigator initiated grant from Takeda/Shire handled by Advocate Aurora Health.

All of the relevant financial relationships listed for these individuals will be mitigated through peer review. All other speakers, planning committee members, and reviewers who contributed to this activity have no relevant financial relationships with ineligible companies to disclose.

## Statement of Continuing Pharmacy Education Credit:



The University of Illinois at Chicago College of Pharmacy is accredited by the Accreditation Council for Pharmacy Education (ACPE) as a provider of continuing pharmacy education. Pharmacists have the opportunity to earn a maximum of 10.0 contact hours (1.0 CEUs) for participating in all knowledge-based or application-based activities at this conference (5 live hours with the option to earn additional 5 hours with the completion of the homestudies). Attendance at each knowledge-based or application-based activity, completion of the self-assessment questions on the evaluation form, and submission of NABP eProfile ID and MMDD are prerequisites for receiving continuing pharmacy education credit(s). All ACPE credit awarded to participants must be uploaded to CPE Monitor™ within 30 days of the activity date, so pharmacists are required to provide their e-Profile ID and date of birth (MMDD) at the time of the activity. Please contact [pharmce@uic.edu](mailto:pharmce@uic.edu) if you do not see activity information listed within 30 days. For more information and to set up your e-Profile visit: [www.MyCPEmonitor.net](http://www.MyCPEmonitor.net).

## Statement of Continuing Medical Education Credit:

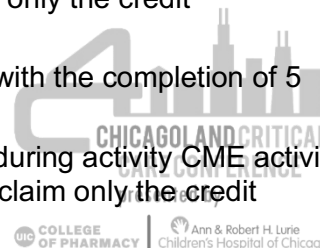


The University of Illinois College of Medicine at Chicago is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The University of Illinois College of Medicine at Chicago designates this Live activity CME activity for a maximum of 5.0 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

In addition to the live program, participants may earn an additional 5 hours with the completion of 5 homestudies.

The University of Illinois College of Medicine at Chicago designates this Enduring activity CME activity for a maximum of 5.0 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.







## Here's What's Bugging Us: Multi-Drug Resistance and Beta-Lactam Pharmacokinetics

### Date:

Saturday, August 26, 2023

### Purpose:

To educate nurses about practical approaches to treatment of multi-drug resistant gram-negative infections in the ICU.

### Target Audience:

Nurses

### What you will learn:

- Review the current state of the evidence for treatment of multidrug resistant organisms in the ICU
- Identify the best antimicrobials for the treatment of severe bloodstream infections and pneumonias in the ICU
- Review the national and international uptake of beta-lactam monitoring
- Describe variability in beta-lactam exposure seen in intensive care patients and define population dosing and precision dosing

**1.0 CNE contact hour(s) will be awarded to participants who attend the entire activity, complete the post-test, and submit an activity evaluation.**

Please visit <https://C4conference.edu> for more information and to register.

UIHealth is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation.



# **The Goldilocks Principle: Optimal Antithrombotic Strategies in the Cardiac ICU**

## **Date:**

Saturday, August 26, 2023

## **Purpose:**

To educate nurses on contemporary antithrombotic strategies that optimize outcomes in critically ill cardiac patients.

## **Target Audience:**

Nurses

## **What you will learn:**

- Review the pharmacology of bivalirudin and alternative parenteral anticoagulants used to treat acute coronary syndrome (ACS)
- Review the safety and efficacy of bivalirudin and other parenteral anticoagulants for the treatment of ACS
- Discuss updates in the management of purge solution for patients receiving Impella® support
- Discuss pharmacologic strategies for maintenance anticoagulation during extracorporeal membrane oxygenation (ECMO)

**1.0 CNE contact hour(s) will be awarded to participants who attend the entire activity, complete the post-test, and submit an activity evaluation.**

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# **Fear is Not a Factor for You! Practical Approaches to Blood and Factors in the Intensive Care Unit**

## **Date:**

Saturday, August 26, 2023

## **Purpose:**

To educate nurses on the evidence for the use of blood and recombinant factor products, specifically in those who are critically ill and bleeding and/or those who refuse blood transfusions.

## **Target Audience:**

Nurses

## **What you will learn:**

- Describe strategies, pharmacologic and non-pharmacologic, to optimize the pre-operative blood avoidance patient
- Summarize available supportive care strategies for intra-operative blood conservation management
- Describe patient specific factors that influence the choice of continued transfusion vs. factor product administration in the bleeding patient

**1.0 CNE contact hour(s) will be awarded to participants who attend the entire activity, complete the post-test, and submit an activity evaluation.**

Please visit <https://C4conference.edu> for more information and to register.

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# **Revamp Your Sepsis Bundle – Controversies with Vasopressors in Septic Shock**

## **Date:**

Saturday, August 26, 2023

## **Purpose:**

To educate nurses regarding the current evidence related to “maximum” vasopressor doses and optimal sedation practices in mechanically ventilated patients with septic shock.

## **Target Audience:**

Nurses

## **What you will learn:**

- Explain the concept of a “maximum” dose of a vasopressor for septic shock and identify strategies to achieve goal mean arterial pressure in patients who exceed this maximum
- Discuss optimal sedation strategies for mechanically ventilated patients with septic shock requiring vasopressor therapy
- Describe risk associated with use of vasopressors through peripheral access
- Review risks associated with specific vasopressor agents used peripherally
- Describe reasonable surveillance of peripheral IV with administration of vasopressor agents and options for management of an identified extravasation event

**1.0 CNE contact hour(s) will be awarded to participants who attend the entire activity, complete the post-test, and submit an activity evaluation.**

Please visit <https://C4conference.edu> for more information and to register.

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# In the Arrest, Who You Gonna Call? Clot Busters?

## Date:

Saturday, August 26, 2023

## Purpose:

To educate nurses on thrombolytics in the setting of cardiac arrest.

## Target Audience:

Nurses

## What you will learn:

- Discuss the advantages to use and literature supporting thrombolytics in the setting of cardiac arrest
- Describe the safety concerns and disadvantages to administering thrombolytics in the setting of cardiac arrest
- Appraise the selection of thrombolytic agent in the setting of cardiac arrest

**1.0 CNE contact hour(s) will be awarded to participants who attend the entire activity, complete the post-test, and submit an activity evaluation.**

Please visit <https://C4conference.edu> for more information and to register.

UIHealth is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation.



## NICU Potpourri of Pearls

### Date:

Saturday, August 26, 2023

### Purpose:

To educate nurses on hemorrhagic shock treatment for neonates, alternative administration techniques for adenosine, and updates in neonatal resuscitation guidelines.

### Target Audience:

Nurses

### What you will learn:

- Describe the role of various factor products in the treatment of hemorrhagic shock in neonates
- Describe alternative administration techniques (e.g., single syringe) for adenosine
- Discuss updates to neonatal resuscitation guidelines with a focus on epinephrine dosing

**1.0 CNE contact hour(s) will be awarded to participants who attend the entire activity, complete the post-test, and submit an activity evaluation.**

Please visit <https://C4conference.edu> for more information and to register.

UIHealth is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation.



# Use of Novel Antimicrobial Agents: Evidence in Treating Pediatric and Neonatal Patients

## Date:

Saturday, August 26, 2023

## Purpose:

To educate nurses on the use of novel agents in treating infections in pediatric patients.

## Target Audience:

Nurses

## What you will learn:

- Describe the evidence supporting novel antimicrobials in treating resistant gram negative infections and dosing in pediatric and neonatal patients
- Describe the evidence supporting novel antimicrobials in treating resistant gram positive infections and dosing in pediatric and neonatal patients
- Review evidence supporting shorter course antibiotics for pediatric pneumonia

**1.0 CNE contact hour(s) will be awarded to participants who attend the entire activity, complete the post-test, and submit an activity evaluation.**

Please visit <https://C4conference.edu> for more information and to register.

UIHealth is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation.



## Pediatric Trauma

**Date:**

Saturday, August 26, 2023

**Purpose:**

To educate nurses on the current evidence for the pharmacology of medications used in pediatric trauma patients.

**Target Audience:**

Nurses

**What you will learn:**

- Outline a plan for pain control in the pediatric trauma patient
- Review a plan for antimicrobial prophylaxis based on assessment of a patient's injuries
- Review a plan for management of coagulopathies for pediatric trauma patients

**1.0 CNE contact hour(s) will be awarded to participants who attend the entire activity, complete the post-test, and submit an activity evaluation.**

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# Research and Simulation Training in Pediatrics

**Date:**

Saturday, August 26, 2023

**Purpose:**

To educate nurses on the use of simulation in medical education and the gaps and pitfalls of pediatric research.

**Target Audience:**

Nurses

**What you will learn:**

- Review examples of innovative research trial methodologies and resources available to assist researchers
- Outline the gaps and barriers to drug therapy research and labeling in children
- Identify ideas for pediatric drug therapy research from one's individual practice
- Summarize the development of simulation
- Summarize the various types of medical simulation
- Describe examples of how medical simulation can be used in pharmacy

**1.0 CNE contact hour(s) will be awarded to participants who attend the entire activity, complete the post-test, and submit an activity evaluation.**

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# Acute kidney injury in neonates and children

**Date:**

Saturday, August 26, 2023

**Purpose:**

To educate nurses on acute kidney injury in neonates and children.

**Target Audience:**

Nurses

**What you will learn:**

- Identify acute kidney injury (AKI) in children and neonates
- Discuss interventions to prevent and mitigate AKI in children and neonates
- Develop strategies to optimize drug dosing in neonates and children with AKI

**1.0 CNE contact hour(s) will be awarded to participants who attend the entire activity, complete the post-test, and submit an activity evaluation.**

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