




**CHICAGO LAND CRITICAL
CARE CONFERENCE**
presented by

 COLLEGE
OF PHARMACY

 Ann & Robert H. Lurie
Children's Hospital of Chicago

Location:

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

Saturday, August 24, 2019

8:00 AM - 4:45 PM

Target Audience:

Pharmacists, nurses, and nurse practitioners who manage critically ill patients

Type of Activity:

Knowledge-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. Highlighted educational topics will include *"Stop the Bleeding: Unique Case(s) for Antithrombotic Reversal"*, *"Workload, Quality, Burnout: Improving the Lives of Patients and Providers Through Interprofessional Collaboration"*, *"Applying PADIS to our ICU Patients: Pharmacological Considerations and Pitfalls in Analgesia, Sedation, Delirium and Sleep"*, *"Narcotic Avoidance Strategies and Analgesic Adjuncts in Critically Ill Patients"*.

Additionally a pediatric track has been added with highlighted educational topics including *"Delirium in the Pediatric ICU"*, *"Collaborating with a Parent Advocate While Caring for a Medically Complex Child in the ICU"*, *"The Anticoagulation Tool Kit for Pediatric ECMO"*, *"From Guidelines to the Bedside: Pediatric Sepsis Bundles and Trigger Tools"*, and *"Pediatric Renal Replacement Therapies: Drug Dosing and Other Considerations"*.

Registration:

Registration Fee: \$75.00

Registration Deadline: Friday, August 16, 2019

Registration fee includes: continental breakfast, boxed lunch, parking validation, networking reception, and up to 6.25 contact hours (0.625 CEUs) of continuing pharmacy education credits or up to 6.25 contact hours of continuing nursing education credits. Advanced practice nurses may count a total of 5.0 contact hours (Adult Track) or 4.5 contact hours (Pediatric Track) for the pharmacotherapeutic educational requirement. Paper handouts will not be provided. Handouts will be provided electronically for attendees to download and print before the conference.

Program Chair:

Scott T. Benken, PharmD, BCPS-AQ Cardiology, FCCM

Clinical Pharmacist, Medical and Cardiothoracic Surgery Intensive Care Unit
University of Illinois Hospital and Health Sciences System
Clinical Assistant Professor
University of Illinois at Chicago College of Pharmacy

Acknowledgments:

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

Speakers:

Susan Corbridge, PhD, APN, FAANP, FAAN
*Associate Dean of Practice and Partnerships,
College of Nursing, Clinical Associate Professor,
College of Nursing and Department of Medicine,
Division of Pulmonary, Critical Care, Sleep & Allergy
University of Illinois at Chicago*

**Elizabeth Farrington, PharmD, FCCP, FCCM,
FPPAG, BCPS, BCNSP**
*Pharmacist III – Pediatrics
New Hanover Regional Medical Center
Department of Pharmacy*

**Joanna Stollings, PharmD, FCCM, FCCP, BCPS,
BCCCP**
*MICU Clinical Pharmacy Specialist
ICU Recovery Center at Vanderbilt Pharmacist
Vanderbilt University Medical Center*

Drayton A. Hammond, PharmD, MBA, BCPS, BCCCP
*Clinical Pharmacy Specialist, Medical Intensive Care &
Cardiac Intensive Care
Rush University Medical Center*

Priti Jani, MD, MPH
*Assistant Professor of Pediatrics
Pediatrics –Critical Care
University of Chicago*

Thomas Moran, MS, PharmD, BCPS
*Manager of Clinical Pharmacy Services
Lurie Children's Hospital*

Brian Kelly, PharmD, BCPS, BCPPS
*Clinical Pharmacy Specialist – Pediatric Intensive Care
and Pediatric Cardiac Intensive Care
UF Health Shands Children's Hospital*

Renee Petzel Gimbar, PharmD
*Clinical Associate Professor/Clinical Pharmacist,
Emergency Medicine/Medical Toxicology
PGY2 Director Emergency Medicine Pharmacy Residency
University of Illinois at Chicago College of Pharmacy
University of Illinois Hospital and Health Sciences System*

Yoanna Skrobik, MD, FRCP(c), MSc, FCCM
*Professor of Medicine Chair,
Lise et Jean Saine Critical Care, Université de Montréal
Chercheur Boursier Clinicien, McGill University
Professor, Queens University*

Nancy A. Nora, MD
*NorthShore Nephrology Medical Group,
NorthShore University HealthSystem
Senior Clinical Faculty, University of Chicago
Medical Director, Highland Park Hospital Dialysis Unit*

Cheryl L. Sargel, PharmD
*Advanced Patient Care Pharmacist
Pediatric Critical Care Medicine
Department of Pharmacy Nationwide Children's Hospital*

Dick Tibboel, MD
*Head, ICU Director of Research
Sophia Children's Hospital
Rotterdam, The Netherlands*

Courtney Nerovich, BSN, RN
*Registered Nurse in the Pediatric Intensive Care Unit
Lurie Children's Hospital*

Allison L. Nelson, PharmD, BCPS, BCPPS
*Clinical Pharmacy Specialist
PICU/CICU Residency Program Director, PGY2 Pediatrics
University of Chicago Medicine Comer Children's Hospital*

Speaker Disclosures:

The speakers, planning committee members, and reviewers who contributed to this activity have no relevant financial conflict of interest to disclose.

Agenda:

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

ADULT TRACK

TIME	SESSION NAME
7:30 am – 8:00 am	Registration, continental breakfast, and exhibitor showcase
8:00 am – 8:15 am (Rm 134-1)	Welcome/opening remarks <i>Scott T. Benken, PharmD, BCPS-AQ Cardiology, FCCM</i>
8:15 am – 9:15 am (Rm 134-1)	<p>Stop the Bleeding: Unique Case(s) for Antithrombotic Reversal <i>Renee Petzel Gimbar, PharmD</i> A Knowledge-Based Activity ACPE UAN # 0016-0000-19-002-L01-P, 1.0 contact hour</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Identify patients who would benefit from addition of andexanet alfa for treatment of rivaroxaban or apixaban-related bleeding • Explain potential benefits or risks of fixed dose prothrombin complex concentrate (KCentra) in patients with VKA-related acute traumatic bleeding • Describe basic work-up and treatments for bleeding from contaminated synthetic cannabinoids <p>* Sponsored through an unrestricted educational grant from Portola Pharmaceuticals Inc</p>
9:15 am – 10:15 am (Rm 134-1)	<p>Workload, Quality, Burnout: Improving the Lives of Patients and Providers Through Interprofessional Collaboration <i>Susan Corbridge, PhD, APN, FAANP, FAAN</i> A Knowledge-Based Activity ACPE UAN# 0016-0000-19-004-L04-P, 1.0 contact hour</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Summarize the evidence of interprofessional collaborative practice and team based care on workload, quality of care and provider burnout • Describe key features of successful models of interprofessional collaborative, team-based care • Review strategies to overcome key environmental and organizational barriers to interprofessional teams in order to promote clinician and patient well-being
10:15 am – 10:45 am (Rm B8)	<p>Break and exhibitor showcase Ventilator Breakout Activity #1 <i>Girmachew Mekonnen, Ms-RRT</i> <i>Respiratory Manager</i> <i>UIC Hospital</i></p>
10:45 am – 12:00 pm (featured session, Rm 134-1)	<p>Applying PADIS to our ICU Patients: Pharmacological Considerations and Pitfalls in Analgesia, Sedation, Delirium and Sleep <i>Yoanna Skrobik, MD, FRCP(c), MSc, FCCM and Dick Tibboel, MD</i> A Knowledge-Based Activity ACPE UAN # 0016-0000-19-006-L01-P, 1.25 contact hour</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Discuss the role of nurse-evaluation driven analgesia in an individual patient context (e.g. age, gender differences, pharmacogenetics) • Identify team-based initiatives to achieve restorative sleep • Identify common practices (1-3) that may cause harm when choosing analgesic/sedative medications
12:00 pm – 1:00 pm (Breakout session in Rm B8)	<p>Lunch and exhibitor showcase Ventilator Breakout Activity #2 <i>Girmachew Mekonnen, Ms-RRT</i> <i>Respiratory Manager</i> <i>UIC Hospital</i></p>

<p>1:00 pm – 2:00 pm (Rm 134-1)</p>	<p>Narcotic Avoidance Strategies and Analgesic Adjuncts in Critically Ill Patients <i>Joanna Stollings, PharmD, FCCM, FCCP, BCPS, BCCCP</i> A Knowledge-Based Activity ACPE UAN # 0016-0000-19-007-L01-P, 1.0 contact hour</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Recognize how to identify pain in critically ill patients • Review pharmacokinetic properties of opiate agents and describe basic strategies for minimizing their usage in critically ill patients • Identify non-opioid analgesics that can be used an adjunctive to treat pain
<p>2:00 pm – 2:30 pm (Rm B8)</p>	<p>Break and exhibitor showcase Ventilator Breakout Activity #3 <i>Girmachew Mekonnen, Ms-RRT</i> Respiratory Manager UIC Hospital</p>
<p>2:30 pm – 3:30 pm (Rm 134-1)</p>	<p>Beyond the Guidelines: Individualizing Therapies in Septic Shock <i>Drayton A. Hammond, PharmD, MBA, BCPS, BCCCP</i> A Knowledge-Based Activity ACPE UAN # 0016-0000-19-009-L01-P, 1.0 contact hour</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Discuss the role of catecholamine and non-catecholamine therapies in a patient with septic shock failing norepinephrine monotherapy • Identify patients with septic shock in whom angiotensin II may be beneficial • Examine management strategies for de-escalation of catecholamine and non-catecholamine therapies in the resolving phase of septic shock
<p>3:30 pm – 4:30 pm (Rm 134-1)</p>	<p>Down with Dropsy: Diuretics Done Right <i>Nancy A. Nora, MD</i> A Knowledge-Based Activity ACPE UAN # 0016-0000-19-011-L01-P, 1.0 contact hour</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Review the association between aggressive fluid resuscitation and fluid overload with deleterious patient outcomes • Outline evidence supporting the use of diuretics in acute kidney injury and the potential role of diuretics in decreasing the need for renal replacement therapy • Describe loop diuretic dosing strategies or add-on therapies in critically ill patients to promote diuresis
<p>4:30 pm – 4:45 pm (Rm 134-1)</p>	<p>Closing remarks <i>Scott T. Benken, PharmD, BCPS-AQ Cardiology, FCCM</i> Clinical Pharmacist, MICU/CTICU University of Illinois Health</p>
<p>4:45 pm – 5:30 pm</p>	<p>Networking Reception</p>

Agenda:

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

PEDIATRIC TRACK

TIME	SESSION NAME
7:30 am – 8:00 am	Registration, continental breakfast, and exhibitor showcase
8:00 am – 8:15 am (Rm 134-1)	Welcome/opening remarks <i>Scott T. Benken, PharmD, BCPS-AQ Cardiology, FCCM</i> Clinical Pharmacist, MICU/CTICU University of Illinois Health
8:15 am – 9:15 am (Rm B36)	Delirium in the Pediatric ICU <i>Elizabeth Farrington, PharmD, FCCP, FCCM, FPPAG, BCPS, BCNSP</i> A Knowledge-Based Activity ACPE UAN# 0016-0000-19-003-L01-P, 1.0 contact hour Learning Objectives: <ul style="list-style-type: none"> • Discuss the available validated pediatric delirium scales for assessing pediatric delirium • Identify risk factors for the development of delirium and discuss options for altering risks when possible • Review a pharmacotherapeutic care plan for the treatment of pediatric delirium
9:15 am – 10:15 am (Rm B36)	Collaborating with a Parent Advocate While Caring for a Medically Complex Child in the ICU <i>Courtney Nerovich, BSN, RN and Thomas Moran, MS, PharmD, BCPS</i> A Knowledge-Based Activity ACPE UAN # 0016-0000-19-005-L04-P, 1.0 contact hour Learning Objectives: <ul style="list-style-type: none"> • Define medically complex child • Recognize barriers and biases affecting communication between the medical team and the parent • Identify tools to help overcome barriers in communication and evaluate the parent's perspective
10:15 am – 10:45 am (Rm B8)	Break and exhibitor showcase Ventilator Breakout Activity #1 <i>Girmachew Mekonnen, Ms-RRT</i> Respiratory Manager UIC Hospital
10:45 am – 12:00 pm (featured session) (Rm 134-1)	Applying PADIS to our ICU Patients: Pharmacological Considerations and Pitfalls in Analgesia, Sedation, Delirium and Sleep <i>Yoanna Skrobik, MD, FRCP(c), MSc, FCCM and Dick Tibboel, MD</i> A Knowledge-Based Activity ACPE UAN # 0016-0000-19-006-L01-P, 1.25 contact hour Learning Objectives: <ul style="list-style-type: none"> • Discuss the role of nurse-evaluation driven analgesia in an individual patient context (e.g. age, gender differences, pharmacogenetics) • Identify team-based initiatives to achieve restorative sleep • Identify common practices (1-3) that may cause harm when choosing analgesic/sedative medications
12:00 pm – 1:00 pm (Breakout session in Rm B8)	Lunch and exhibitor showcase Ventilator Breakout Activity #2 <i>Girmachew Mekonnen, Ms-RRT</i> Respiratory Manager UIC Hospital

<p>1:00 pm – 2:00 pm (Rm B36)</p>	<p>The Anticoagulation Tool Kit for Pediatric ECMO <i>Brian Kelly, PharmD, BCPS, BCPPS</i> A Knowledge-Based Activity ACPE UAN# 0016-0000-19-008-L01-P, 1.0 contact hour</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Describe the etiology of coagulopathy in critically ill pediatric patients receiving extracorporeal membrane oxygenation (ECMO) • Describe anticoagulants used in Pediatric ECMO and discuss the various monitoring strategies for anticoagulation during Pediatric ECMO • Discuss the role of Antithrombin III administration in Pediatric ECMO
<p>2:00 pm – 2:30 pm (Rm B8)</p>	<p>Break and exhibitor showcase Ventilator Breakout Activity #3 <i>Girmachew Mekonnen, Ms-RRT</i> Respiratory Manager UIC Hospital</p>
<p>2:30 pm – 3:30 pm (Rm B36)</p>	<p>From Guidelines to the Bedside: Pediatric Sepsis Bundles and Trigger Tools <i>Allison Nelson, PharmD, BCPS, BCPPS and Priti Jani, MD, MPH</i> A Knowledge-Based Activity ACPE UAN# 0016-0000-19-010-L01-P, 1.0 contact hour</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Recognize the need for sepsis bundles and trigger tools • Identify barriers to the implementation of sepsis bundles and trigger tools • Discuss practical sepsis bundle and trigger tool tips and ideas to improve response and treatment of pediatric septic shock
<p>3:30 pm – 4:30 pm (Rm B36)</p>	<p>Pediatric Renal Replacement Therapies: Drug Dosing and Other Considerations <i>Cheryl L. Sargel, PharmD</i> A Knowledge-Based Activity ACPE UAN# 0016-0000-19-012-L01-P, 1.0 contact hour</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Identify sources to guide drug dosing strategies for pediatric patients receiving renal replacement therapy • Review how to estimate intrinsic renal function for patients who are receiving renal replacement therapy • Describe pharmacokinetic alterations and dosing considerations common in pediatric patients undergoing renal replacement therapies
<p>4:30 pm – 4:45 pm (Rm 134-1)</p>	<p>Closing remarks <i>Scott T. Benken, PharmD, BCPS-AQ Cardiology, FCCM</i> Clinical Pharmacist, MICU/CTICU University of Illinois Health</p>
<p>4:45 pm – 5:30 pm</p>	<p>Networking Reception</p>

Disclosures:

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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 6.25 contact hours (0.625 CEUs) for participating in all knowledge-based activities at this conference. Attendance at each knowledge-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 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.

Statement of Continuing Nursing Education Credit:

University of Illinois Hospital & Health Sciences System is an approved provider of continuing nursing education by the Ohio Nurses Association, an accredited approver of the American Nurses Credentialing Center's Commission on Accreditation (OH-341, 10/01/2018) (OBN-001-91).

In regard to successful completion and contact hours being awarded: 6.25 Continuing Nursing Education contact hours will be awarded to participants who attend the entire duration of the activity, and complete and return the evaluation form at the end of the activity. Advanced practice nurses may count a total of 5.0 contact hours (Adult Track) or 4.5 contact hours (Pediatric Track) for the pharmacotherapeutic educational requirement.