

Division of Newborn Medicine APP Spring Pharmacology Conference

May 4th, 2024

Virtual through Microsoft Teams

Conference Agenda

12pm-1pm:

Title: Back to Basics: Pharmacokinetics in Neonates

Presenter: Mary Beth Pasqualicchio Pharm D

Clinical Pharmacist Neonatal ICU

UPMC Magee-Womens Hospital

Learning Objectives:

1. Describe the history of medication use in the NICU.
2. Define processes that can affect drug therapy in the neonate.
3. Review pharmacokinetic parameters in the newborn and how they influence medication therapies.

1pm – 2pm:

Title: Dexmedetomidine use for neonatal encephalopathy

Presenter: Lindsey Stramara, PharmD, BCPPS

Clinical Pharmacist Specialist - Pediatrics & Neonatology

UPMC Central PA Region

Learning Objectives:

1. Describe the role of sedation for patients undergoing therapeutic hypothermia for encephalopathy
2. Assess the pharmacokinetic properties and dosing of dexmedetomidine for neonates undergoing therapeutic hypothermia
3. Evaluate current literature for dexmedetomidine use for neonatal encephalopathy
4. Compare dexmedetomidine to opioids regarding sedation for therapeutic hypothermia
5. Create a recommendation for sedation management for encephalopathy

2pm-3pm:

Title: Evidence-Based Approaches to Premedication in Neonatal Intubation

Presenter: Tracey Bell DNP, NNP

University of Pittsburgh - School of Nursing, Associate Professor

Learning Objectives:

1. Discuss the impact of premedication on patient outcomes related to decreasing adverse events and overall procedural success.
2. Compare common medications used for neonatal premedication including mechanisms of actions, dosages, and potential side effects.
3. Describe current research and guidelines supporting specific premedication protocols.

3pm-4pm:

Title: Hit Me with Your Best Shot: Vaccine Updates for the NICU Patient

Presenter: Jennifer Shenk, PharmD, BCPPS

Director, PGY1 Pharmacy Residency

Neonatal Clinical Pharmacist

UPMC Children's Hospital of Pittsburgh

Learning Objectives:

1. Discuss vaccine resources and challenges
2. Review vaccines intended for children < 1 year of age
3. Develop a prevention strategy and timing for RSV prevention

Conference Adjournment: 4pm

Required Statements:

TARGET AUDIENCE

Nurse Practitioner, Physician Assistant, Pharmacist

Accreditation and Designation Statement

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.

Nursing (CNE)

The maximum number of hours awarded for this Continuing Nursing Education activity is 4.0 contact hours.

Pharmacy (CPE)

This knowledge-based activity provides 4.0 contact hours of continuing pharmacy education credit.

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 4.0 AAPA Category 1 CME credits. PAs should only claim credit commensurate with the extent of their participation.

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

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Faculty Disclosure:

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