

KyANA Virtual Pharmacology Spring Meeting

March 9, 2024

Saturday, March 9

8:00	Welcome & Opening Remarks John Wellbrock, KyANA President
8:00 – 9:00	Anesthesia Pharmacology and Aging Zohn Centimole, PhD, CRNA <ul style="list-style-type: none">• Describe physiological changes in aging that affect anesthesia pharmacology• Explain why the elderly require lower doses of induction agents• Identify physiological changes that result in lower MAC requirements in the elderly• Select appropriate dosing strategies for induction agents in the elderly
9:00 – 10:00	Bigger Bang for the Block Jennifer Harpe-Bates, DNAP, CRNA, FAANA <ul style="list-style-type: none">• Review adjuvants to local anesthesia.• Discuss the pharmacology of local anesthesia adjuvants.• Review dosing strategies of adjuvants for blocks.• Weigh the benefits of adjuvants in local anesthesia.
10:00 – 11:00	Cannabis Chemistry and Anesthesia Mixology Daniel King, DNP, MNA, APRN, CRNA, CPPS, CNE <ul style="list-style-type: none">• Identify cannabis plant anatomy, chemistry, and stereochemistry• Describe cannabis pharmacodynamics within the endocannabinoid system• Understand the potential pharmacological effects of cannabis during the perioperative period
11:00 – 11:30	Break
11:30 – 12:30	Pharmacologic & Non-pharmacologic Management of Children with Behavioral & Developmental Problems Judith Tenhundfeld, DNAP, APRN-CRNA, MSN <ul style="list-style-type: none">• Discuss how to use the Psychological Risk Assessment in Pediatrics (PRAP) tool and Adaptive Care Plan (ACP) in pediatric patients to identify and manage those at risk for severe risk for extreme emotional distress in the perioperative setting.• Explore common home medications currently in use to pharmacologically manage pediatric patients with developmental and behavioral problems.• Identify various pharmacologic interventions to manage pediatric patients with developmental and behavioral problems.

- Distinguish between the various anxiolytic medications in order to identify the appropriate choice for pediatric patients at low, moderate, and high risk for perioperative emotional distress.

12:30 – 13:30

Dexmedetomidine: The Superior Choice for Emergence Cough Prevention?

Winifred Hwang, DNP, CRNA

- Compare dexmedetomidine to opioids and local anesthetics for effectiveness in cough prevention.
- Identify dosing and administration strategies of dexmedetomidine for emergence cough prevention.
- Describe the effects of dexmedetomidine on patient recovery and PACU length of stay.

13:30

Closing Remarks

Jared Crocker, KyANA Vice President and Program Committee Co-Chair