

Pediatric Critical Care Resources

Special Guest: Joseph LaRochelle, PharmD, BCPPS, FCCP

Guidelines/Background Reading

Fanni D, Ambu R, Gerosa C, et al. Cytochrome P450 genetic polymorphism in neonatal drug metabolism: role and practical consequences towards a new drug culture in neonatology. *Int J Immunopathol Pharmacol*. 2014; 27(1): 5-13. <https://pubmed.ncbi.nlm.nih.gov/24674673/>

Benjamin L, Frush K, Shaw K, et al. American Academy of Pediatrics Committee on Pediatric Emergency Medicine, American College of Emergency Physicians Pediatric Emergency Medicine Committee, Emergency Nurses Association Pediatric Emergency Medicine Committee. Pediatric Medication Safety in the Emergency Department. *Pediatrics*. 2018; 141(3): e20174066. <https://pubmed.ncbi.nlm.nih.gov/30352389/>

Kearns GL, Abdel-Rahman SM, Alander SW, et al. Developmental pharmacology--drug disposition, action, and therapy in infants and children. *N Eng J Med* 2003; 349(12): 1157-1167. <https://pubmed.ncbi.nlm.nih.gov/13679531/>

Lu H, Rosenbaum S. Developmental Pharmacokinetics in Pediatric Populations. *J Pediatr Pharmacol Ther*. 2014; 19(4): 262-276. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4341411/>

Bhatt-Mehta V, Buck ML, Chung AM, et al. Recommendations for Meeting the Pediatric Patient's Need for a Clinical Pharmacist: A Joint Opinion of the Pediatrics Practice and Research Network of the American College of Clinical Pharmacy and the Pediatric Pharmacy Advocacy Group. *Pharmacotherapy* 2013; 33(2): 243-251. <https://pubmed.ncbi.nlm.nih.gov/23386600/>

LaRochelle JM, Smith KP, Benavides S, et al. Evidence demonstrating the pharmacist's direct impact on clinical outcomes in pediatric patients: An opinion of the pediatrics practice and research network of the American College of Clinical Pharmacy. *J Am Coll Clin Pharm*. 2020; 3: 786-792. <https://doi.org/10.1002/jac5.1217>.

Studies Discussed During the Episode

Koren G, Cairns J, Chitayat D, et al. Pharmacogenetics of morphine poisoning in a breastfed neonate of a codeine-prescribed mother. *Lancet*. 2006; 368 (9536): 704.
<https://pubmed.ncbi.nlm.nih.gov/16920476/>

Resources

Pediatric Vital Signs Chart. PedsCases.Com
https://www.pedscases.com/sites/default/files/Vital%20Signs%20Reference%20Chart%201.2_1.pdf

Textbooks

Benavides S, Nahata MC. Pediatric Pharmacotherapy. Lenexa, Kansas: American College of Clinical Pharmacy, 2013.

Eiland L, Todd T. Advanced Pediatric Therapeutics. Memphis, Tennessee: Pediatric Pharmacy Association, 2015.