

Old Drug with New Strategy: Vancomycin Dosing and Monitoring in Children

Dr. Jennifer Le

University of California, Professor Of Clinical, School of Pharmacy and Pharmaceutical Science

Copyright: 2021 Le J. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

Abstract

Encyclopedia of Bioanalytical Methods for Bioavailability and Bioequivalence Studies of Pharmaceuticals (E-BABE): It is a unique encyclopedia involving bioanalytical methods for bioavailability and bioequivalence (BA/BE) studies of pharmaceuticals for suitable method selection with thousands of combinations and searches against these methods. Most scrutinized literature was collected from different sources including PubMed. This database has been curated using published methods for all most all pharmaceuticals. Required information for regular method development/validation such as IUPAC name, structure, solubility, chromatographic conditions, instrumentation information like HPLC, LCMS detection parameters, sample preparations, recovery details, limit of detection and limit of quantification, T_{max}, C_{max} etc., for routine application in BA/BE studies of pharmaceuticals was incorporated including official pharmacopeias information such as European Pharmacopeia, Japan Pharmacopeia and US Pharmacopeia. Keen selections of bioanalytical methods for pharmaceutical analysis or regular quality control are also possible with E-BABE. E-BABE was built understanding the needs of pharmaceutical industry and laboratories including CROs working on BA/BE studies. Presently it has nearly of 5,000 methods and it will be updated regularly.

Biography:

Dr. Jennifer Le is Professor of Clinical Pharmacy at the University of California, San Diego Skaggs School of Pharmacy and Pharmaceutical Sciences. She received her Bachelors of Science in Biology from University of California, Los Angeles in 1995; PharmD from University of California, San Francisco in 2000;

and Masters in Clinical Research from University of California, San Diego in 2012. As a board-certified pharmacotherapy specialist with added qualification in infectious diseases since 2007, Dr. Le has been involved in clinical pharmacy services in pediatric infectious diseases and patient-oriented research over 19 years. She is an invited member of the federal advisory board for the Food and Drug Administration's (FDA) Antimicrobial Drugs Advisory Committee that makes official recommendations to FDA about safety and efficacy of antibiotics for use in the United States. She is also an advisory board member of the Asian Pacific Health Foundation; has also been a member of an NIH Special Emphasis Panel and participates in Scientific Review Groups; is an invited editorial board member for Pediatric Pharmacotherapy, Pharmacotherapy Journal, Pediatric Medicine and Infectious Diseases and Therapy Journal; and invited program reviewer for the national board certification programs through the American College of Clinical Pharmacy, including Self-Assessment Programs in Pediatrics (PedSAP), Ambulatory Care (ACSAP), and Pharmacotherapy (PSAP).

References

1. Mahboub, Heba & Adel, A.. (2020). Mycological and histopathological identification of potential fish pathogens in Nile tilapia. *Aquaculture*. 530. 735849. 10.1016/j.aquaculture.2020.735849.
2. Mahboub, Heba & Tartor, Yasmine. (2020). Carvacrol essential oil stimulates growth performance, immune response, and tolerance of Nile tilapia to *Cryptococcus uniguttulatus* infection. *Diseases of Aquatic Organisms*. 141. 10.3354/dao03506.
3. Mahboub, Heba & Shahin, Khalid & Zaghlol, Asmaa & Roushdy, Elshimaa & Ahmed, Shimaa. (2020). Efficacy of nano zinc oxide dietary supplements on growth performance, immunomodulation and disease resistance of African Catfish, *Clarias gariepinus*. *Diseases of Aquatic Organisms*. 142. 147-160. 10.3354/dao03531.

Citation: Jennifer Le; Old Drug with New Strategy: Vancomycin Dosing and Monitoring in Children; *Clinical Pediatrics* 2021 ; May 28, 2021 ; London , UK.