Members Obtain Free CE Credits from JCP Articles!

Pharmacokinetic/Pharmacodynamic Analysis of Daptomycin Against Staphylococcus aureus and Enterococcus faecium in Pediatric Patients by Monte Carlo Simulation
June 2020 – *The Journal of Clinical Pharmacology* (JCP)

Why is this article important to you?
To evaluate the efficacy of various daptomycin dosing regimens against *Staphylococcus aureus* and *Enterococcus faecium* in pediatric patients with proven/suspected gram-positive infection. Monte Carlo simulations (MCSs) were conducted using pharmacokinetic parameters and pharmacodynamic data to determine the probabilities of target attainment and cumulative fractions of response in terms of area under the concentration curve/minimum inhibition concentration (MIC) targets of daptomycin. Learners that complete this course will be able to evaluate the different daptomycin dosing regimens using Monte Carlo simulations.

Joint Accreditation Statement
In support of improving patient care, the American College of Clinical Pharmacology® (ACCP) 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.

UAN: JA4008220-0000-20-042-H01-P– ACPE 1 Contact Hours
Activity Type: Knowledge-based **Format:** Home-study **Target Audience**: 'P'

ACCME Designation Statement
The Accreditation Council for Continuing Medical Education designates this Journal CE activity for 1 *AMA PRA Category 1™* credit. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Target Audience
Interprofessional team of Physicians, Pharmacists, PhDs, Nurse Practitioners and Physician Assistants.

Learning Objectives
After completing this activity, the learner will be able to:

1. Discuss daptomycin pharmacologic and pharmacokineticproperties;
2. Describe the Mpnte Carlo Simulation method;
3. Compare and contrast between the different age pediatric groups findings with MRSA and *E. faecium* treatment with daptomycin and using probability of target attainment with MIC;
4. Discuss the clinical implications of daptomycin dosing in pediatrics who have MRSA and *E. faecium*.

Requirements to Receive Credit
In order to receive continuing education credit, the learner must register for the educational activity, study the provided journal article and complete the online learning Post-event Self-assessment, as well as the online course Evaluation and CME/CPE Certificate. Credits and CME/CPE Certificates must be claimed within thirty (30) days of completing the article, Post-event Self-Assessment and Evaluation. Contact CE@ACCP1.org with any questions.

Disclosures:

Article Selection: Joseph S. Bertino Jr, PharmD, FCP, FCCP, Editor-in-Chief, JCP and Owner, Bertino Consulting Inc. Nothing to disclose.

Planner: Michael Jann, PharmD, Professor, Univ of North Texas System Coll of Pharmacy. Nothing to disclose.

CE Reviewer: Claude Abdallah, MD, Anesthesiologist, Pediatric Anesthesiology, Children's National Health System. Nothing to disclose.

Schedule & Fees
JCP monthly Journal CE articles are generally released on the 1st or 2nd Tuesday of each month. They are priced in packages of January to December for each year. Packages are available at no cost to ACCP Members and $75/calendar year to Non-members. Once you register, you have access to all of the Journal CE articles for the calendar year.

Acknowledgement of Financial Support
No financial support was received for this educational activity.

Home Study Initial Release and Expiration Dates
Date of Issuance: 06/01/2020
Expiration Date: 12/31/2022

Helpful Tips
Download the article and access the Self-assessment Post-test, Evaluation and Certificate here.

Learn how to print your CME/CPE Certificate here.
