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Estimating Renal Function in Drug Development: Time to Take the Fork in the Road

February 2019 – *The Journal of Clinical Pharmacology* (JCP)

Why is this article important to you?

Following the completion of this activity, learners will be able to identify factors that influence measurement or estimates of renal function along with the current regulatory guidance. Additionally, they will list challenges to different methods for measuring or estimating renal function clinically and in pharmacological research. Finally, learners will describe suggested approaches to harmonize chronic kidney disease staging, population pharmacokinetic analyses and dosing by estimated renal function.



ACPE Accreditation Statement

The American College of Clinical Pharmacology® is accredited by the Accreditation Council for Pharmacy Education (ACPE) as a provider of continuing pharmacy education.

UAN: 0238-0000-19-027-H01-P – ACPE 1 Contact Hours

Activity Type: Knowledge-based **Format:** Home-study **Target Audience:** 'P'



ACCME Accreditation Statement

The American College of Clinical Pharmacology® is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

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. List different methods of estimating renal function;
2. Highlight the current regulatory guidance with respect to assessment of renal function;
3. Discuss the implications for all members of the medication use system;
4. Explain how to use the Chronic Kidney Disease Epidemiology Collaboration equation to harmonize drug dosing across the entire distribution of renal function.

Requirements to Receive Credit

In order to receive continuing medical education (CME) or continuing pharmacy education (CPE) credit, the learner must register for the educational activity, study the provided journal article, complete the online learning Self-assessment Post-test 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-test and Evaluation. Contact CE@ACCP1.org with any questions.

Disclosures:

- Article Selection: Joseph Bertino, PharmD, FCP, FCCP, Editor-in-Chief, JCP and Owner, Bertino Consulting Inc, selected the article for this course and has nothing to disclose.
- Planner: Claude Abdallah, MD, MSc, Associate Professor, Children's Natl Health System, Dept of Anesthesiology, planned the continuing education documentation for this course and has nothing to disclose.
- CE Reviewer: Ahmed Abulfathi, MBBS, MMed, FCCP(SA), Clinical Pharmacologist, Stellenbosch Univ, Dept of Medicine & Clinical Pharmacology, has 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: 1/1/2019

Expiration Date: 12/31/2021

Online Location:

https://accp1.org/Members/Continuing_Education/Journal_CE/ACCP1/4Continuing_Education/Journal_CE.aspx

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