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## ***Evaluation of Vancomycin Dosing Practices in Critically Ill Patients Receiving Accelerated Venovenous Hemofiltration***

June 2026 – *The Journal of Clinical Pharmacology* (JCP)

### **Why is this article important to you?**

Learners completing this activity will be able to discuss vancomycin dosing practices in critically ill patients receiving accelerated venovenous hemofiltration (AVVH). This activity is designed to increase knowledge of altered vancomycin pharmacokinetics and pharmacodynamics in critically ill patients and the impact of accelerated venovenous hemofiltration on vancomycin exposure. Learners will review strategies for designing and adjusting individualized vancomycin dosing regimens, including appropriate loading doses, maintenance dosing, and therapeutic drug monitoring, as well as approaches to achieving therapeutic targets and making timely dose modifications to optimize efficacy while minimizing toxicity.



### **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:** 0665-0000-26-008-H01-P – ACPE 1 Contact Hours

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



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### **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 and other healthcare professionals interested in vancomycin dosing and therapeutic drug monitoring in critically ill patients receiving accelerated venovenous hemofiltration.

### **Learning Objectives**

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

1. Explain the pharmacokinetic changes of vancomycin in critically ill patients;
2. Describe how increased Continuous Veno-Venous Hemofiltration intensity affects vancomycin clearance and dosing requirements;
3. Identify evidence-based recommendations to optimize vancomycin therapy.

### **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](mailto:CE@ACCP1.org) with any questions.

**Disclosures:**

Article Selection: John N. van den Anker, MD, PhD, Editor-in-Chief, JCP, selected the article for this course and has nothing to disclose.

Planner: Irfan Ahmad Khan, MBBS, MD, Assistant Professor, JNMC Aligarh Muslim Univ, planned the continuing education documentation for this course and has nothing to disclose.

**Schedule & Fees**

JCP monthly Journal CE articles are generally released on the 1<sup>st</sup> or 2<sup>nd</sup> 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:** 6/2/2026

**Expiration Date:** 6/2/2029

**Online Location:**

[https://accp1.org/Members/ACCP1/4Continuing\\_Education/Journal\\_CE.aspx?hkey=adecf2ad-e111-4e26-92b5-bbd8ce8fda14](https://accp1.org/Members/ACCP1/4Continuing_Education/Journal_CE.aspx?hkey=adecf2ad-e111-4e26-92b5-bbd8ce8fda14)