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Inhibition of CYP2E1 With Propylene Glycol Does Not Protect Against Hepatocellular Injury in Human Acetaminophen Daily-dosing Model

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

Why is this article important to you?

Following the completion of this activity, learners will acquire further insight regarding the metabolic fate of acetaminophen (APAP) and the toxicity potential associated with metabolite formation. Learners will evaluate the potential of propylene glycol to be used as an APAP toxicity-limiting agent. This activity provides further insight related to CYP 450 enzymatic inhibition as a potential mechanism for toxicological management.



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: 0238-0000-19-025-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. Define the effects of propylene glycol on acetaminophen metabolite production;
2. Identify metabolic pathways associated with the fate of acetaminophen;
3. Characterize the effect of treatments on changes in liver function tests.

Requirements to Receive Credit

In order to receive CE 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 certificate. Credits and certificates must be claimed within 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: Steven Crosby, MA, BSP, RPh, FASCP, Assistant Dean & Associate Professor of Pharmacy Practice, MCPHS University, planned the continuing education documentation for this course and has nothing to disclose.

CE Reviewer: Jomy George, PharmD, BCPS, AQ-ID, Director (Acting), Natl Inst of Health, Clinical Pharmacokinetics Unit, Pharmacy, 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:

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