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Physiologically Based Pharmacokinetic Modeling of Oxcarbazepine to Characterize Its Disposition in Children with Obesity

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Why is this article important to you?
Learners who complete this activity will strengthen their ability to assess the impact of physiologically based pharmacokinetic (PBPK) modeling on drug dosing guidance in clinical scenarios where age and weight are critical factors. This activity is designed to enhance knowledge of age-related and weight-related physiological changes in pediatric populations and to support evaluation of potential dosing considerations associated with their effects on pharmacokinetics and pharmacodynamics.

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: 0665-0000-26-002-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 and other healthcare professionals interested in expanding their knowledge on the characterization of age-related and weight-related variations on the optimal determination of drug dosing in order to achieve appropriate therapeutic concentrations.

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

1. Describe the typical kinetic pathways for the 10-monohydroxy derivative (MHD) of oxcarbazepine;
2. Define modifications in physiological effects due to the presence of obesity;
3. Identify pharmacokinetic parameters in obese and non-obese pediatric populations;

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:	John N. van den Anker, MD, PhD, Editor-in-Chief, JCP, selected the article for this course and has nothing to disclose.
Planner:	Steven Crosby, MA, BSP, RPh, FASCP, FCP, Associate Dean, Associate Professor of Pharmacy Practice, Massachusetts Coll of Pharmacy & Health Sciences, planned the continuing education documentation for this course and has nothing to disclose.
CE Reviewer:	Irfan Khan, MBBS, MD, Assistant Professor, Jawaharlal Nehru Medical Coll, Aligarh Muslim Univ, served as the CE Reviewer and 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.

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Home Study Initial Release and Expiration Dates
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Expiration Date: 2/1/2029

Online Location:
https://accp1.org/Members/ACCP1/4Continuing_Education/Journal_CE.aspx?hkey=adecf2ad-e111-4e26-92b5-bbd8ce8fda14