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Pharmacokinetics of Dexamethasone in Children and Adolescents with Obesity

December 2024 – *The Journal of Clinical Pharmacology* (JCP)

Why is this article important to you?
This activity aims to develop a population pharmacokinetic model for dexamethasone with data collected from children with obesity. Learners that complete this activity will have enhanced knowledge on the covariates affecting exposure and the dosage regimen of dexamethasone in children with obesity that is comparable to historical adult exposures.

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: 0665-0000-24-036-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, Physician Assistants, Pharmacists, PhDs and Nurses interested in expanding their knowledge on how to appropriately dose dexamethasone in obese children.

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

1. Describe the population pharmacokinetic model for dexamethasone in children with obesity;
2. Explain the factors unique to obesity that may alter pharmacokinetics of dexamethasone in children;
3. Identify the covariates of the final population pharmacokinetic model for dexamethasone in children with obesity;
4. Identify the dexamethasone simulated dose regimen that attained exposure in children with obesity comparable to historical adult exposures.

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 van den Anker, MD, PhD, Editor-in-Chief, JCP, selected the article for this course and has nothing to disclose.
Planner:	Kenneth Der, BS, Associate Director, Amgen Inc, planned the continuing education documentation for this course and all of the relevant financial relationships listed for this individual have been mitigated.
CE Reviewer:	Bruno Laviolle, MD, PhD, Professor of Pharmacology, Rennes Univ Hosp, 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: 12/1/2027

Online Location:
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