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Reversal of Fentanyl-Induced Respiratory Depression in Healthy Subjects by Intramuscular Nalmefene Administered by Auto-Injector Versus Intranasal Naloxone

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Why is this article important to you?

Learners that complete this activity will develop an enhanced understanding of the differences between intramuscular nalmefene injection and intranasal naloxone for reversing fentanyl-induced respiratory depression, including relative onset of action, duration of effect, PK/PD characteristics and the potential implications for clinical practice. This activity is designed to increase knowledge of the pharmacokinetic and pharmacodynamic differences between nalmefene and naloxone and how these differences may influence emergency management of opioid-induced respiratory depression.



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: 0665-0000-25-033-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 role of intramuscular nalmefene injection compared to intranasal naloxone as treatment options for reversal of opioid-induced respiratory depression.

Learning Objectives

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

1. Describe the need for fast-acting, long-duration effective treatments for reversal of opioid-induced respiratory depression;
2. Describe the difference in pharmacokinetic profile for intramuscular nalmefene vs intranasal naloxone and how these differences correlate to differences in efficacy;
3. Describe the value of intramuscular nalmefene as an alternative to intranasal naloxone, highlighting differences in speed of onset and duration of activity.

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: Ahmed Nader, PhD, Senior Director, Clinical Pharmacology, employed at GSK plc, planned the continuing education documentation for this course and all of the relevant financial relationships have been mitigated.
- CE Reviewer: Tony Kiang, PhD, Associate Professor, Univ of Alberta, 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: 12/1/2028

Online Location:

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