

Xylazine Withdrawal: Pathophysiology, Presentation, and Treatment

Current Topics in Pharmacy

Activity Announcement

The illicit opioid drug supply continues to evolve, and with new adulterants, presents significant challenges. One of the adulterants on the rise, particularly in the Northeast, is xylazine combined with fentanyl. Xylazine was present in 20.6% of fentanyl overdoses in Maryland from 2020-2023. As xylazine becomes more prevalent, pharmacists must be prepared to recognize and manage complications of withdrawal and potential infections. This course fills the knowledge gap, strengthens interdisciplinary collaboration, and ensures pharmacists are well-prepared to deliver timely and effective care to patients affected by xylazine exposure.

This activity was originally recorded on 11/25/2025.

Learning Objectives

At the conclusion of this educational activity, the participant should be able to:

1. Describe the pharmacologic properties of xylazine and its importance in illicit drug supply.
2. Identify and manage potential complications associated with xylazine withdrawal.

Speaker

Misbah Khatib, PharmD
Clinical Toxicology Fellow
University of Maryland

Dr. Khatib, speaker for this activity, has no financial relationships to disclose. None of the planners for this activity have any financial relationships to disclose.

CE Credits: 0.5 Contact Hours

Universal Activity Number: 0025-0000-25-113-H08-P

Target Audience: Pharmacists

Activity Type: Knowledge

Activity Launch Date: 11/25/2025

Activity Expiration Date: 11/25/2026

Fee: \$15.00

Criteria for Successful Completion

Learners must complete all activity components including viewing the audiovisual presentation and completing the activity evaluation. A link to the activity evaluation will be available upon successful completion of all other course segments. Statements of CE Credit will be available electronically via CPE Monitor within sixty (60) days of completion of the activity.

Use of Trade Names: The trade names of the drugs and delivery systems in this module are for the purpose of product identification only. This activity does not imply endorsement for any commercial products discussed.

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Technology Requirements

Supported Internet Browsers	<p>Windows</p> <ul style="list-style-type: none"> Internet Explorer version 11 and above Chrome 43 and above FireFox 4.0 (or later) <p>MacOS</p> <ul style="list-style-type: none"> Safari 13 and above Chrome 43 and above
Minimum Memory	8 GB (or more)
Minimum Storage	6 GB (or more)
Minimum Processor	PC: 2 GHz or faster Intel processor MacOS: Multi-core Intel processor
Minimum Internet Speeds	High speed internet connection
Other	Participants must be able to play audio (either through speakers or headphones) as well as ability to open PDF files and view and edit Word, and PPT documents.



The University of Maryland School of Pharmacy is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education.

**Refund Policy:**

- A refund, less a \$5 administration fee, will be provided if cancellations are requested within 15 days of purchase. Other restrictions may apply. Refund requests must be submitted in writing to CEHelp@rx.umaryland.edu.
- Refunds are not available in the following circumstances: A learner has logged into a course or series; has launched course materials; course materials have been shipped; or request is made after 15 days of the ordering date.
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Contact Us:

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