

Treatment of Vasospasms and Refractory Vasospasms with High-Dose Intravenous Milrinone

For CPE Credit: Recorded Session on Advocate CE Platform
From 12/4/25 to 12/4/26

Overview: This presentation provides an in-depth review of cerebral vasospasm following subarachnoid hemorrhage, including its pathophysiology, clinical impact, and current standards of treatment. Special focus is given to the pharmacological role of intravenous milrinone, with emphasis on high-dose strategies for refractory vasospasm. Evidence-based approaches, dosing protocols, and safety considerations are discussed to support critical care decision making.

Speaker: Sophie Ruger, PharmD, PGY1 Pharmacy Resident- Advocate Christ Medical Center

Preceptor: Kati Khouri, PharmD, BCCCP

Objectives:

- Define cerebral vasospasm and its role in subarachnoid hemorrhage.
- Identify current treatment strategies and their limitations.
- Describe how milrinone works in managing vasospasm.
- Outline high dose milrinone protocols and monitoring considerations.

Target Audience: Advocate Health Pharmacists, Physicians, Nurses, and other interested healthcare professionals

Disclosure: The planner(s) and speaker(s) have indicated that there are no relevant financial relationships with any ineligible companies to disclose.

Link to Recorded Series: [Pharmacy Grand Rounds Enduring Sessions](#)

Commercial Support: There is no financial support for this activity.

Accreditation Statement:



In support of improving patient care, Advocate Health is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Credit Statement(s):

Accreditation Council for Pharmacy Education (ACPE):

Advocate Health designates this enduring activity for a maximum of 1 hour of CPE credit for pharmacists. CPE credit can be claimed on the AH CE platform within 60 days of activity completion and information will be provided to CPE Monitor. Participants should only claim credit commensurate with the extent of their participation in the activity.

Contact Andrew Colegrove (Andrew.colegrove@aah.org) or Elaine Thomas (elaine.r.thomas@advocatehealth.org) with questions.

