

Acute and Critical Care Pharmacology

An online course that offers the latest evidence-based knowledge for safe prescription and administration of medications frequently used in caring for acutely and critically ill patients

Who Will Benefit From Taking This Course?

Advanced practice, progressive and critical care nurses

Purchase Options

- Hospital and Institutional Packages
- Individual Purchase

Course Learning Objectives

- 1 **Identify** patient safety issues related to medication administration in acute and critical care
- 2 **Differentiate** pharmacodynamics and pharmacokinetics, and the effect on individuals or specific patient populations
- 3 **Describe** the actions of vasoactive medications and how to assess patients for intended pharmacodynamic effects and possible adverse reactions
- 4 **Review** the mechanism of action, desired effects, possible adverse effects and safe dosages of antidysrhythmic medications
- 5 **Assess** patients for pain and anxiety, and the effects of analgesics and sedatives
- 6 **Manage** issues related to the use of paralytic medications, and avoid potentially dangerous adverse reactions
- 7 **Describe** common blood products, and implement processes to administer them safely

CE hours are provided for this Pharmacology course.

The American Association of Critical-Care Nurses is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation.

Provider approved by the California Board of Registered Nursing, Provider number CEP 1036, for up to 10.60 contact hours and up to 6.00 APRN pharmacology contact hours.

*Promote
understanding
of safe
medication
practices*



The screenshot displays the AACN eLearning interface for a course titled "Vasoactive Medications". The main content area is titled "Inotropics: Dobutamine" and features a blue-tinted anatomical illustration of a human torso with the heart highlighted in red. To the right of the illustration, the text reads: "Types of Inotropics. Inotropic medications affect cardiac contractility. A positive inotrope enhances or improves cardiac contractility. A negative inotrope decreases contractile force. Positive inotropes include dobutamine, dopamine (Intropin), epinephrine (Adrenalin), isoproterenol (Isuprel), milrinone (Primacor), and digoxin (Lanoxin). Negative inotropes include calcium." The interface also includes a course outline on the left, navigation buttons (Home, My Notes, Font Resize, Exit), and a footer with copyright information and page navigation (BACK, page 41 of 47, NEXT).

Technical Course Features and Benefits

- Accessible online, anywhere and at any time.
- Course content is reviewed and updated at regular intervals to ensure the latest information and practices are provided.
- Learner engagement and knowledge retention are increased through interactive media, visuals and practice activities.
- Real-life case scenarios facilitate transfer of knowledge to the clinical setting.
- Educators are provided with lesson-level tracking, which provides greater flexibility in assigning and tracking content completion. (Hospital and Institutional Packages Only)

Course Features

Developed by AACN and Elsevier Clinical Solutions, “Acute and Critical Care Pharmacology” features:

- **Evidence-based content** — Covers vasoactive medications, antidysrhythmic medications, medications for pain and sedation, neuromuscular blockade medications, blood and blood products
- **Realistic patient scenarios** — Engages learners through realistic scenarios with best practices and evidence-based interventions for complex decision-making
- **Interactive learning checks** — Confirms and reinforces complex concepts through interactive learning checks and custom animations
- **Continuing education (CE) hours** — Offers up to 10.6 CE contact hours and up to 6 APRN pharmacology contact hours for the full course; hours awarded after the successful completion of the course with a score of 80% or above

004055 • Rev. 10/2024