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 **Tutorial:** Dosage Calculation and Safe Medication Administration 3.0  
**Module:** Critical Care Medications CLOSE

Time Spent: 00:21:38

Calculator

## Case studies

Close X

These case studies each cover content from multiple Dosage Calculation modules and will be most beneficial after you've reviewed all the modules. For each case study, we've listed the modules with relevant applicable content

Diabetes Leukopenia Pediatric Asthma **Acute MI** Advanced Alzheimer's Disease Bipolar

Pedatric Ear Infection/Dehydration Preeclampsia AIDS

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**Module:** Critical Care Medications CLOSE

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Calculator

## Case studies

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**Q**

A nurse is converting a client's weight from pounds to kilograms. What is the client's weight in kilograms?

(Review the MAR. Round the answer to the nearest tenth.)

79.1

**Step 1**

What is the unit of measurement the nurse should calculate? (Place the unit of measure being calculated on the left side of the equation.)

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**Module:** Critical Care Medications

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Calculator

## Case studies

**Q**

A nurse is calculating a dosage of heparin. Available is heparin 25,000 units in 0.9% NaCl 500 mL. The nurse should set the IV pump to deliver how many mL/hr?

(Review the MAR. Round the answer to the nearest tenth.)

28.5

**Step 1**

What is the unit of measurement the nurse should calculate? (Place the unit of measure being calculated on the left side of the

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 **Tutorial:** Dosage Calculation and Safe Medication Administration 3.0  
**Module:** Critical Care Medications

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Calculator

## Case studies

**Q**

A nurse is calculating a dosage of nitroglycerin. Available is nitroglycerin 25 mg in D<sub>5</sub>W 250 mL. The nurse should set the IV pump to deliver how many mL/hr?

(Review the MAR. Round the answer to the nearest tenth.)

7.2

**Step 1**

What is the unit of measurement the nurse should calculate? (Place the unit of measure being calculated on the left side of the equation.)

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**Module:** Critical Care Medications CLOSE

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Calculator

## Case studies

Close X

A nurse is preparing to increase the dosage of nitroglycerin by 5 mcg. The nurse should set the IV pump to deliver how many mL/hr?  
(Review the MAR. Round the answer to the nearest tenth.)

✓ 10.2

**Step 1**  
What is the unit of measurement the nurse should calculate? (Place the unit of measure being calculated on the left side of the equation.)

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**Module:** Critical Care Medications CLOSE

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Calculator

## Case studies

Close X

A nurse is calculating the flow rate for D<sub>5</sub>W fluid bolus. How many mL/hr should the nurse administer?  
(Review the MAR. Round the answer to the nearest whole number.)

✓ 250

**Step 1**  
What is the unit of measurement the nurse should calculate? (Place the unit of measure being calculated on the left side of the equation.)

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## Case studies

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A nurse is calculating the dosage of labetalol. How many milliliters should the nurse administer?  
(Review the MAR and medication label. Round the answer to the nearest whole number.)



✓ 4