

Nursing Orientation: Testing References

All RNs are required to take and pass medication calculation test with **100%** passing score.*

(*There will be an opportunity for remediation and re-test)

Notes, talking, and personal electronic devices are **NOT** allowed to use during tests.



Basic Formula:

$\frac{D \text{ (Desired dose)}}{H \text{ (Dose on hand)}} \times \text{Vehicle/Volume} = \text{total mL or \# of tablets to administer}$

H (Dose on hand)

Calculating an Infusion Rate:

★ $\frac{X \text{ mL ordered}}{\text{Infusion time in mins}} \times 60 \text{ min} = \text{mL/hr (infusion rate)}$

Infusion time in mins 1 hour

Calculating an Infusion Rate with a Weight-Based Dose: **Convert to the same dosing units!**

1. $\frac{X \text{ mg (in bag)}}{X \text{ mL (in bag)}} = \text{Bag Concentration (X mg per 1 mL)}$

X mL (in bag)

2. **Ordered Dose (X mg) x Patient's Weight (X kg) = Weight-Based Dose**

3. **Weight-Based Dose = mL/hr (infusion rate)**

Bag Concentration

Conversions

1L = 1000 mL

1g = 1000 mg

1mg = 1000 mcg

1kg = 2.2 lbs

Alternative:

★ $\frac{[\text{Ordered dose (mcg)} \times \text{patient's weight (kg)}] \times 60 \text{ min} \times 1 \text{ mg} \times \text{Vol in bag (mL)}}{\text{minutes}} = \text{mL/hr}$

minutes

1 hr

1000 mcg

drug in bag (mg)

♥ Cardiac Rhythm Review:

If you are working in the any of the following departments, please be prepared to take Tele Test:

Adult: Cath/EP Lab, IR, Endoscopy, Peri-Procedural Unit, all ICUs, all float pool RNs, ED & ED's Clinical Decision Unit, Hemodialysis, PACU, 8S, 6 & 10CVT, 12S, 13L, 14M, 15M

Peds: Cath/EP Lab, Hemodialysis, IR, Endoscopy, ED, all ICUs, Cardiac TCU, C5 TCUP, transport, critical care float pool

♥ **Practice Rhythm Identification at this Website:** <http://www.skillstat.com/tools/ecg-simulator>

♥ Test will cover lethal rhythms, atrial arrhythmias, normal cardiac conduction times, ECG caliper measurements, lead placement, and all parts of a normal ECG rhythm

UC Learning Center Modules

UC Learning Center Website: <https://learningcenter.ucsfmedicalcenter.org/>

Modules & Links: Multiple modules with similar names exist, use the exact name or link

- ***General Compliance Briefing: Ethical Values and Conduct: 30 minutes**
<https://courses.learning.ucsf.edu/?eCourse=327645&system=RNO>
- ***UC Cyber Security Awareness Training (English Only): 55 minutes**
<https://courses.learning.ucsf.edu/?eCourse=349433&system=RNO>
- ***UCSF Safe Patient Handling Training V1.0: 40 minutes**
<http://learningcenter.ucsfmedicalcenter.org/?activity=196672>
- ***UC Sexual Violence and Sexual Harassment Prevention for Non-Supervisory Staff: 50 minutes**
<http://learningcenter.ucsfmedicalcenter.org/?activity=238318>
- ***Workplace Violence Prevention in Healthcare: 25 minutes**
<https://courses.learning.ucsf.edu/?eCourse=325736&system=RNO>
- ***SB 1152 Homeless Patient Discharge Planning Requirements: 15 minutes**
<https://courses.learning.ucsf.edu/?eCourse=374908&system=RNO>
- ***Hazardous Drugs USP 800: 30 minutes**
<https://courses.learning.ucsf.edu/?eCourse=368388&system=RNO>
- ***UCSF Foundations of Diversity, Equity and Inclusion: 60 min**
<https://courses.learning.ucsf.edu/?eCourse=438000&system=RNO>
- ***COVID-19 Prevention Training: 25 minutes**
<https://courses.learning.ucsf.edu/?eCourse=436655&system=RNO>
- ***AIDET and Managing Up: 20 minutes**
<https://courses.learning.ucsf.edu/?eCourse=367425&system=RNO>
- **Annual Safety Training: 60 minutes**
<https://courses.learning.ucsf.edu/?eCourse=392514&system=RNO>
- **Infection Control Training for Nurses: 30 minutes**
<https://courses.learning.ucsf.edu/?eCourse=326524&system=RNO>

***Note Career and Per Diem RN only need to complete the modules with red asterisk.**

ATTN: BCH Nurses
Pediatric nurses sign up for the HAC in INEx Connect for training within the next 2 months

Login Tips:

- You must set up your new password in order to access UC Learning (provided at orientation)
- Disable pop up blockers
- Use a compatible web browser (as listed)
- Contact IT for issues: (415) 514-4100