

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.

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

H (Dose on hand)

Calculating an Infusion Rate:



★ $\frac{X \text{ mL ordered}}{\text{Infusion time in mins}} \times \frac{60 \text{ min}}{1 \text{ hour}} = \text{mL/hr (infusion rate)}$

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

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

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

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

Alternative:

★ $\frac{[\text{Ordered dose (mcg)} \times \text{patient's weight (kg)}] \times 60 \text{ min} \times 1 \text{ mg} \times \text{Vol in bag (mL)}}{1 \text{ hr} \quad 1000 \text{ mcg} \quad \text{drug in bag (mg)}} = \text{mL/hr}$

Mixture/Solution Volume = $\frac{\text{Desired Dosage}}{\text{Stock Strength}} \times \text{Stock Volume}$

Dilution:

$(\text{Quantity1}) \times (\text{Concentration1}) = (\text{Quantity2}) \times (\text{Concentration2})$

Conversions

1L = 1000 mL

1g = 1000 mg

1mg = 1000 mcg

1kg = 2.2 lbs

♥ 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): 35 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 Preventing Harassment & Discrimination: 60 minutes** <https://training.ucsf.edu/news/harassment-prevention-training-re-released>
- **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=497679&system=RNO>
- **UCSF Foundations of Diversity, Equity, and Inclusion: 60 min** <https://courses.learning.ucsf.edu/?eCourse=438000&system=RNO>
- ***Annual Safety Training: 30 minutes** <https://courses.learning.ucsf.edu/?eCourse=392514&system=RNO>
- ***Infection Prevention Training for Physicians, Nurses, and Licensed Independent Contractors (Clinical Staff): 30 minutes** <https://courses.learning.ucsf.edu/?eCourse=481190&system=RNO>

***Only Travel RN need to complete the modules with red asterisk; Annual Safety Training and Infection Prevention covered in New Employee Orientation for Career and Per Diem RNs**

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

Required Learning in Nursing Connect:

Nova Statstrip Blood Glucose Glucometer: 15 minutes

- 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

