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:**

\[ D \text{ (Desired dose)} \times \frac{V}{	ext{Vehicle/Volume}} = \text{total mL or # of tablets to administer} \]

\[ H \text{ (Dose on hand)} \]

**Calculating an Infusion Rate:**

\[ \frac{\text{mL ordered}}{60 \text{ min}} = \text{mL/hr (infusion rate)} \]

Infusion time in mins 1 hour

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

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

2. \[ \text{Ordered Dose (X mg)} \times \text{Patient’s Weight (X kg)} = \text{Weight-Based Dose} \]

3. \[ \text{Weight-Based Dose} = \text{mL/hr (infusion rate)} \]

Bag Concentration

**Alternative:**

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

Conversions

1L = 1000 mL
1g = 1000 mg
1mg = 1000mcg
1kg = 2.2 lbs

**Cardiac Rhythm Review:**

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

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

Peds: Cath/EP Lab, Hemodialysis, ED, all ICUs, Cardiac TCU, 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://uc.sumtotal.host/core/pillarRedirect?relyingParty=LM&url=app%2fmanagement%2fLMS_ActDetails.aspx%3fActivityId%3d327645%26UserMode%3d0&domain=5

- **UC Cyber Security Awareness Training (English Only)** – 55 minutes
  http://learningcenter.ucsfmedicalcenter.org/?activity=229706

- **UCSF Safe Patient Handling Training V1.0** – 20 minutes
  http://learningcenter.ucsfmedicalcenter.org/?activity=196672

- **UC Sexual Violence and Sexual Harassment Prevention Training for Non-Supervisory Staff** – 50 minutes
  http://learningcenter.ucsfmedicalcenter.org/?activity=238318

- **Workplace Violence Prevention in Healthcare** – 25 minutes
  https://uc.sumtotal.host/core/pillarRedirect?relyingParty=LM&url=app%2fmanagement%2fLMS_ActDetails.aspx%3fActivityId%3d325736%26UserMode%3d0&domain=5

- **AIDET and Managing Up**: 20 minutes
  http://learningcenter.ucsfmedicalcenter.org/?activity=218629&launch=true

- **Annual Safety Training**: 60 minutes
  https://uc.sumtotal.host/core/pillarRedirect?relyingParty=LM&url=app%2fmanagement%2fLMS_ActDetails.aspx%3fActivityId%3d330350%26UserMode%3d0&domain=5

- **Infection Control Training for Nurses**: 30 minutes
  https://uc.sumtotal.host/core/pillarRedirect?relyingParty=LM&url=app%2fmanagement%2fLMS_ActDetails.aspx%3fActivityId%3d326524%26UserMode%3d0&domain=5

- **Pathway Wayfinding Training Video**: 15 minutes
  https://learningcenter.ucsfmedicalcenter.org/?activity=218670

**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

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