

# N I P S

## Nursing Infusion Pump Simulator

### USER MANUAL

**1. Choice Of Mixture Color or Solution to Infuse**, can be done according to the colors gray, red, brown or yellow or customize it (figure No.1). Example:

Color	Solution or mixture
red	Whole fresh blood Globular concentrate
café	Iron solutions
yellow	Solutions with metrotexate
grey	Cristaloides

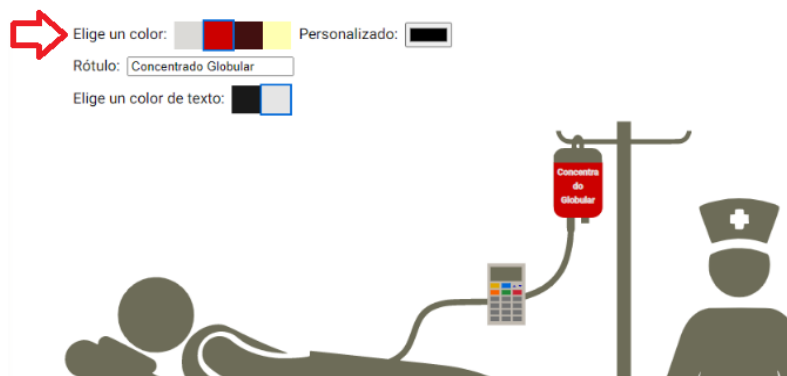


Figure No1. Choice of color mix or solution

**2. Making Label of the Mixture or Solution**, record the solution + the drug if you have it, the dose if any. In this text you can also choose the color and you could add date and time. (Figure No.2).



Figure No2. Label and Choice color text of the label of the mixture or solution

**3. Check label**, which has explicit solution, medication if you have it and dose and other specifications (remember that the size is small). (Figure No.3)

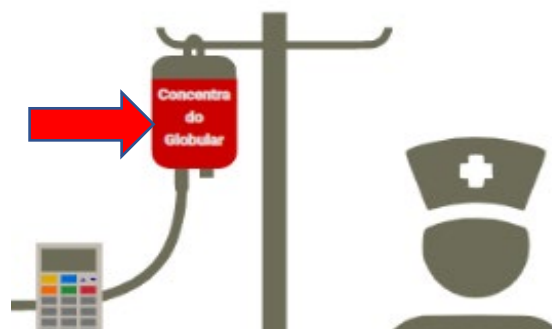


Figure No. 3. Verify solution label

**4. Click on the Infusion Pump arranged on the computer, to enlarge it. (Figure No. 4).**



Figure No. 4. Click on the infusion pump

**5. Interaction with the simulated Infusion Pump, familiarization with the functions. (Figure No. 5).**

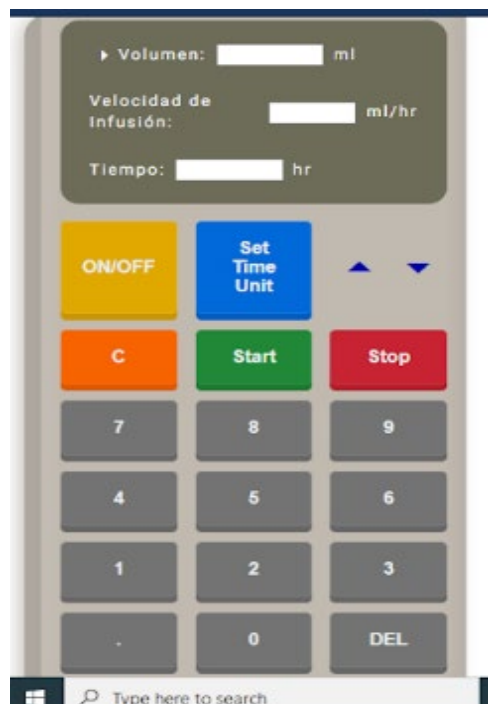


Figure No. 5. Familiarize yourself with the functions of the simulated infusion pump

1. Turn on the infusion pump. Click **ON/OFF**.
2. Record the total volume of infusion in milliliters(**ml**).
3. Record the rate of infusion in **ml/hr**.

**P.S.** - If you register two variables, the application calculates the third automatically. Example: When recording Total Volume and Infusion Rate, the application calculates time automatically.

4. Time can be expressed in hours or minutes by using the Set key

#### **Time Unit.**

5. You can use the following icons to move between Volume, Speed of Infusion or Time.



6. **"C"**: Delete everything.
7. **"Start"**: Start the infusion.
8. **"Stop"**: Stop the Infusion and to change or introduce new values.
9. **"DEL"**: Clear the selected value, example if you have the speed of Infusion by clicking on the "DEL" button will erase the last digit of it.
10. At the end of the infusion, turn off the infusion pump.

Authors:

