(50)

pop-pl evaluation

Please read the heparin dosing protocol below:

```
#lang pop-pl/current

used by JessieBrownVA

initially
   giveBolus 80 units/kg of: HEParin by: iv
   start 18 units/kg/hour of: HEParin by: iv

infusion:
  whenever new aPttResult
    aPtt < 45           | giveBolus 80 units/kg of: HEParin by: iv
                        | increase HEParin by: 3 units/kg/hour

    aPtt in 45 to 59    | giveBolus 40 units/kg of: HEParin by: iv
                        | increase HEParin by: 1/2 unit/kg/hour

 // aPtt in 59 to 101   | Continue current HEParin dose

    aPtt in 101 to 123  | decrease HEParin by: 1 unit/kg/hour

    aPtt > 123          | hold HEParin
                        | after 1 hour
                        |     restart HEParin
                        |     decrease HEParin by: 3 units/kg/hour

aPttChecking:
  every 6 hours checkaPtt whenever aPttResult outside of 59 to 101, x2
  every 24 hours checkaPtt whenever aPttResult in range 59 to 101, x2
```

50

1. Circle the part of the program that handles appt values of 50 seconds.

2. What happens when we get a an appt of 50 seconds?

give bolus 40u/kg, increase hep by 1u/kg/h
Recheck appt in 6 hr

3. Modify the part of the protocol you have circled so that it will instead increase the heparin dosage by 2 units/kg/hour.

4. Circle the part of the protocol that controls how often an aptt test is run.

5. What is the least frequent the test is run?

none

6. Given each of the following test results, when would the next aPTT check be done if the protocol is accurately followed?

aPtt = 50 seconds at 6am — 12 noon

aPtt = 80 seconds at noon — 6 pm if 1st or second nl, noon if already at r 2

aPtt = 90 seconds at 6pm — 3 am

50

Please fill out any that are relevant to you:

7. Attending Physician X Years in Practice 25

8. Resident Physician__ PGY?___

9. Medical Student Year___

10. Nurse___Years in Practice__

11. Nursing student Year___

12. Post-training Pharmacist___ Years in practice___

13. Pharmacy Resident___ PGY___

14. Pharmacy Student___ Year___

15. What is your formal education in programming?

none

16. List the computer programming languages have you used. For each computer programming language, write the length in lines of the longest program you have written in that language.

17. How comfortable are you programming? (0 being the least?)

(circle one) 0 (1) 2, 3, 4, 5, 6, 7, 8, 9, 10