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: 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
```

1

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 40 units/kg & titrate by 1 unit/kg/h

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?

every 24 hours

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

aPtt = 80 seconds at noon

aPtt = 90 seconds at 6pm   in another 24 hours

Please fill out any that are relevant to you:

7. Attending Physician___ Years in Practice____

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 1

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.
     N/A

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

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

3

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: 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
```

#1

#4

1

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 40 unit/kg bolus by IV
increase rate by 1 unit/kg/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?

q24hr.

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   ✓ (w) noon

aPtt = 80 seconds at noon   ✓ (w) 6pm

aPtt = 90 seconds at 6pm   ✓ (w) 6pm next midnight

Please fill out any that are relevant to you:

7. Attending Physician__ Years in Practice___

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 1

14. Pharmacy Student___ Year___

15. What is your formal education in programming?

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.

n/a

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

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

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: X 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
```

1

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 40's ↑ hep bag 1unit/kg/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?

q 24°

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   12pm x2

aPtt = 80 seconds at noon   noon next day x2

aPtt = 90 seconds at 6pm   6pm next day x2

Please fill out any that are relevant to you:

7. Attending Physician___ Years in Practice___

8. Resident Physician___ PGY?___

9. Medical Student Year___

10. Nurse___Years in Practice___

11. Nursing student Year___

12. Post-training Pharmacist___ Years in practice_6_

13. Pharmacy Resident___ PGY___

14. Pharmacy Student___ Year___

15. What is your formal education in programming?

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

3

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: 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
```

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?

40 units/kg Bolus   Check aPTT Q6

↑ B Rate by 1unit/kg/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?

Q24hrs.

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   Noon

aPtt = 80 seconds at noon   24hrs if in range previously

aPtt = 90 seconds at 6pm   ''   ')

2

Please fill out any that are relevant to you:

7. Attending Physician___ Years in Practice___

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 _2_

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.

I played a lot of Nintendo, does that count?

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

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

0

3

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: Y 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
```

1

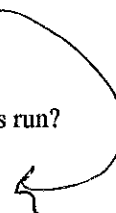1. Circle the part of the program that handles appt values of 50 seconds.

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

Give a bolus of 40 u/kg

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.

q 24 h.

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

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 pm

aPtt = 80 seconds at noon   — 12 pm next day

aPtt = 90 seconds at 6pm   — 6 pm next day.

Please fill out any that are relevant to you:

7. Attending Physician__ Years in Practice___

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__2__

14. Pharmacy Student___ Year___

15. What is your formal education in programming?

    1 class in (C++)

16. List the computer programming languages have you used. For each computer program-ming 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

3

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: 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
```

1

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 of 40 units/kg then increase rate by 1mg/kg/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?

every 24 hrs

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   6 pm

aPtt = 80 seconds at noon

aPtt = 90 seconds at 6pm

2

Please fill out any that are relevant to you:

7. Attending Physician__ Years in Practice___

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 X Year P4

15. What is your formal education in programming?

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   0

3

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: 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
```

1

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?

bolus 40 units/kg
↑ infusion by 1 unit/kg/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?

Q24 H

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   noon

aPtt = 80 seconds at noon   noon next day

aPtt = 90 seconds at 6pm   6pm next day

2

Please fill out any that are relevant to you:

7. Attending Physician___ Years in Practice___

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_X_Year_P4_

15. What is your formal education in programming?

nothing

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

3

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 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
```

1

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?

bolus 400u/kg

↑ 1 u/kg/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?

24hrs

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   — 6 h.

aPtt = 80 seconds at noon   6h.

aPtt = 90 seconds at 6pm   - 24u.

Please fill out any that are relevant to you:

7. Attending Physician___ Years in Practice____

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?

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

3

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 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
```

1

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?

bolus heparin and inc rate

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?

q 24h

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

aPtt = 80 seconds at noon

aPtt = 90 seconds at 6pm

6pm the next day

Please fill out any that are relevant to you:

7. Attending Physician___ Years in Practice____

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_X_ PGY_2_

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. *None*

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

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

0

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: 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
```

1

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 40 units heparin IV bolus + inc by 1 unit / kg / hour

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?

q 6 h

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   q 24°

aPtt = 80 seconds at noon   q 6°

aPtt = 90 seconds at 6pm   q 6°

Please fill out any that are relevant to you:

7. Attending Physician__ Years in Practice___

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 X Year 4

15. What is your formal education in programming?

0

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

3

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 unit/kg/hour
                                              2
 // 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
```

1

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 40 units x1 then ↑ heparin by 1v/kg/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?

q 24 hours

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

aPtt = 80 seconds at noon — 12 (if 2 within range)

aPtt = 90 seconds at 6pm — 6pm (if 2 within range)

2

Please fill out any that are relevant to you:

7. Attending Physician___ Years in Practice___

8. Resident Physician___ PGY?___

9. Medical Student Year___

10. Nurse___Years in Practice___

11. Nursing student Year___

12. Post-training Pharmacist__✗__ Years in practice_5_

13. Pharmacy Resident___ PGY___

14. Pharmacy Student___ Year___

15. What is your formal education in programming?

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.

none

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

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

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 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
```

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 a bolus of 40 units/kg of heparin at a rate of 1 unit/kg/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.

Give bolus 20units/kg of heparin by IV increase heparin by 2 units/kg/hr

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?

Q6 hours

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   Q6°

aPtt = 80 seconds at noon   Q24°

aPtt = 90 seconds at 6pm   Q24°

2

Please fill out any that are relevant to you:

7. Attending Physician___ Years in Practice____

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 4

15. What is your formal education in programming?

N/A

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.

N/A

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

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

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 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
```

(handwritten annotation: 2 unit/kg/hr)

1

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 40 u/kg of : Heparin by IV
increase heparin by 1 u/kg/ 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?

8 6 hr aPTt check whenever aPPT result
outside 59 - 101 x 2

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   8 24

aPtt = 80 seconds at noon   8 24

aPtt = 90 seconds at 6pm   8 24

Please fill out any that are relevant to you:

7. Attending Physician__ Years in Practice___

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_P4_

15. What is your formal education in programming?

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

3

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 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
```

1

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 40 units/kg IV

↓ heparin by 1 unit /kg/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.

aPtt in 43-59 | give Bolus 40units/kg of : HEParin by : iv
| increase HEParin by : 2 unit/kg/hR

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?

Q 6 hours

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 — q 6 hrs

aPtt = 80 seconds at noon — q 24 hrs

aPtt = 90 seconds at 6pm — q 24 hrs

Please fill out any that are relevant to you:

7. Attending Physician___ Years in Practice___

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 4

15. What is your formal education in programming?

n/A

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.

n/A

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

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

3

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 unit/kg/hour
                                                    2
  // 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
```

1

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?

40u/Kg bolus then incr drip by 1u/Kg/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?

q24h

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   1200 noon

aPtt = 80 seconds at noon   noon if 2nd straight in range

aPtt = 90 seconds at 6pm   6pm next day

Please fill out any that are relevant to you:

7. Attending Physician___ Years in Practice___

8. Resident Physician___ PGY?___

9. Medical Student Year___

10. Nurse___Years in Practice___

11. Nursing student Year___

12. Post-training Pharmacist_X_ Years in practice_18_

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

3

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
```

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?

bolus 40un/kg

↑ rate 1un/kg/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?

every 24 hri

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

aPtt = 80 seconds at noon

aPtt = 90 seconds at 6pm

⤷ then every 24h → next at 6pm next day

Please fill out any that are relevant to you:

7. Attending Physician___ Years in Practice___

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:1

14. Pharmacy Student___ Year___

15. What is your formal education in programming?

1 Computer science class in college

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.

Python → don't remember much

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

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

Good idea to make more customizable Rxs
but I think you will still need some interface
to non-programmers w/ trad. drop down menus, etc.

3

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: 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
```

1

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?

incuase heparin by 1 unit/kg/m

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?

Q 24 hr

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 — *Q 6⁰*

aPtt = 80 seconds at noon — *Q 6⁰*

aPtt = 90 seconds at 6pm — *Q 24⁰*

2

Please fill out any that are relevant to you:

7. Attending Physician___ Years in Practice___

8. Resident Physician___ PGY?___

9. Medical Student Year___

10. Nurse___Years in Practice___

11. Nursing student Year___

12. Post-training Pharmacist ✓ Years in practice 6

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

3

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: X unit/kg/hour
                                                 2
  // 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
```

1

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
+ ↑ (u/kg/h)

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?

Q24h

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

aPtt = 80 seconds at noon

aPtt = 90 seconds at 6pm

24h

2

Please fill out any that are relevant to you:

7. Attending Physician__ Years in Practice____

8. Resident Physician__ PGY?___

9. Medical Student Year___

10. Nurse___Years in Practice__

11. Nursing student Year___

12. Post-training Pharmacist__7__ 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.

N/A

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

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

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: 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
```

1

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 40units/kg of Heparin by IV
inc. Heparin by 1 u/kg/hour

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?

q 6hours

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

aPtt = 80 seconds at noon

aPtt = 90 seconds at 6pm

w/in 24h at 6pm

2

Please fill out any that are relevant to you:

7. Attending Physician___ Years in Practice___

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?

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

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 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
```

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?

increase heparin by 1 unit/kg/hr

− Give bolus dose of 40 units/kg

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?

There will be a pop up

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

aPtt = 80 seconds at noon

aPtt = 90 seconds at 6pm

Please fill out any that are relevant to you:

7. Attending Physician___ Years in Practice___

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?

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

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
```

1

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 of 40 units/kg

↑ drip rate by 1 unit/kg/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?

every 24 hrs

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   at noon

aPtt = 80 seconds at noon   at noon next day

aPtt = 90 seconds at 6pm   at 6pm next day

Please fill out any that are relevant to you:

7. Attending Physician__ Years in Practice____

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 _1_

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.

   N/A

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

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

3

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 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
```

1

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 40units/kg of : Heparin by : iv
increase Heparin by : 1 unit/kg/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?

every 24°

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

aPtt = 80 seconds at noon

aPtt = 90 seconds at 6pm

6am

Please fill out any that are relevant to you:

7. Attending Physician___ Years in Practice___

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 _4_

15. What is your formal education in programming?

Schooling

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

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