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. 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?

Heparin Bolus of 40 u/kg
↑ infusion rate 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.

increo

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 am   next day

aPtt = 80 seconds at noon   Acun → 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_3_

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

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 80 units/kg of Hep IV
2. increased by 18units/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   noon (6hrs later)

aPtt = 80 seconds at noon   noon next day

aPtt = 90 seconds at 6pm   6pm

Please fill out any that are relevant to you:

7. Attending Physician___ Years in Practice___

8. Resident Physician___ PGY?___

9. Medical Student Year___ 3

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?

AP comp sci in high school

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.

JAVA

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?

40 U/kg bolus
increment 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?

q 24 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 6h

aPtt = 80 seconds at noon   q 24h

aPtt = 90 seconds at 6pm   q 24h

Please fill out any that are relevant to you:

7. Attending Physician___ Years in Practice___

8. Resident Physician___ PGY?___

9. Medical Student Year__4

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: 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.

See attached.

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

Give bolus of 40u/kg + increase 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?

2x in 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 — 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 X PGY? I

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?

MD/PhD

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.

Ø

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: ⅟2 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?

↑ dose

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?

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   Never

aPtt = 80 seconds at noon   6 PM

aPtt = 90 seconds at 6pm   Midnight

Please fill out any that are relevant to you:

7. Attending Physician__ Years in Practice___

8. Resident Physician__ PGY?___

9. Medical Student Year__M3

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?

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.

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
                                                  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. 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 + the rate by 1U

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   q 6h

aPtt = 80 seconds at noon   q 6h

aPtt = 90 seconds at 6pm   q 24h

2

Please fill out any that are relevant to you:

7. Attending Physician___ Years in Practice___

8. Resident Physician_X_ PGY?_1_

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.   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
                                                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. 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 40u/kg , ↑ heparin by 1 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?

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   4pm

aPtt = 80 seconds at noon   4pm + 1 day

aPtt = 90 seconds at 6pm   6pm + 1 day

Please fill out any that are relevant to you:

7. Attending Physician◯ Years in Practice__13-14

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?

bolus 40, increase by 1

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   12pm

aPtt = 80 seconds at noon   6pm

aPtt = 90 seconds at 6pm   6pm

Please fill out any that are relevant to you:

7. Attending Physician__ Years in Practice___

8. Resident Physician ✓ PGY? 3

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
```

→ 2 unity/kg/hour

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
↑ Heparin 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?

√ 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 hrs.

aPtt = 80 seconds at noon   6 hrs.

aPtt = 90 seconds at 6pm   ~~6 hrs~~ 24 hrs.

2

Please fill out any that are relevant to you:

7. Attending Physician___ Years in Practice___

8. Resident Physician✓ PGY? _1_

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.

    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
                                              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?

Bolus 400/kg } ↑ hep rate 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?

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 @ 6 hr ✓

aPtt = 80 seconds at noon @24

aPtt = 90 seconds at 6pm @24h

Please fill out any that are relevant to you:

7. Attending Physician__ Years in Practice___

8. Resident Physician X PGY? 1

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.

None

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: X units/kg/hour
                                                2

      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 80 units heparin
increase heparin by 3 units / 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   every 6 hrs.

aPtt = 80 seconds at noon   every 24 hrs

aPtt = 90 seconds at 6pm   every 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_3_

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?

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

// 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
& increase 1 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?

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   NOON

aPtt = 80 seconds at noon   24 hrs later

aPtt = 90 seconds at 6pm   24 hrs later

2

Please fill out any that are relevant to you:

7. Attending Physician___ Years in Practice___

8. Resident Physician___ PGY?___

9. Medical Student Year 2

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.

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
                                              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 40 unit/kg, increase heparin 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 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   6 hours

aPtt = 90 seconds at 6pm

24 Hrs from 6 PM

2

Please fill out any that are relevant to you:

7. Attending Physician___ Years in Practice___

8. Resident Physician⧅ PGY?_1_

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.

   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
```

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?

40 u/kg bolus of hep + ↑ hep 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?

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   noon

aPtt = 80 seconds at noon   noon the next day

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

2

Please fill out any that are relevant to you:

7. Attending Physician___ Years in Practice___

8. Resident Physician ✕ PGY? _1_

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.   Java Not very much
                                               10 yrs ago.

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.

See prev page

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

Give Bolus 40 u/kg of heparin by IV
& increase Hep 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.

See prev page

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

Bottom "APTT checks"

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   12 PM same day

aPtt = 80 seconds at noon   noon 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_3_

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?

STATA in MPH

SAS Training @ CDC

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.

STATA - 150-200 ?

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 90 bolus + increase
IV by units Kg / levs

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

You would just write that

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   12 noon

aPtt = 80 seconds at noon   noon next day

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 _X_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?

High school class

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.

Java ~, 6 months

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

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

2

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: 0 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 u/kg of hep IV,
↑ hep by 1/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?

↳ 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   in 6 hr

aPtt = 80 seconds at noon   in 24 hr

aPtt = 90 seconds at 6pm   in 24 hr

Please fill out any that are relevant to you:

7. Attending Physician___ Years in Practice___

8. Resident Physician ✓ PGY? 1

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.   *none*

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 40u/kg x1, ↑ rate 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?

Q 24 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   12-pm

aPtt = 80 seconds at noon   12 pm

aPtt = 90 seconds at 6pm   1800 H

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_10_

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
```

[handwritten annotation: the "aPtt in 45 to 59" block is circled; "1 unit/kg/hour" is struck through and replaced with "2 units/kg/hour"]

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 of 40 units/kg & increase infusion 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?

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   6 hours

aPtt = 80 seconds at noon   6 hours

aPtt = 90 seconds at 6pm   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___

14. Pharmacy Student__✓__Year__4__

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

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. 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 u/kg bolus of heparin + increase 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.

aptt 45-59 / Give 40 u/kg heparin / increase heparin 2/u/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?

Q24

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   Q6

aPtt = 90 seconds at 6pm   Q24

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.

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: ⅟ 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?

Bowsof 40units/kg is given by IV infusion and 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?

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   12pm

aPtt = 80 seconds at noon   6pm

aPtt = 90 seconds at 6pm   6pm the nextday

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.

NA

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

23

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 u/kg
↑ by 1 un/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?

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

aPtt = 80 seconds at noon

aPtt = 90 seconds at 6pm   following day @ 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_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.

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?

Heparin bolus of 40 units/kg
↑ 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 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 — noon

aPtt = 80 seconds at noon — 6pm

aPtt = 90 seconds at 6pm — ~~midnight~~ 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.

none

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

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