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Rocky Mountain
Hospital *for* Children



Peds Medication Administration Exam

Employee Name: _____

Unit: _____

Score: _____ / 13

Remediation needed? Yes No

If yes:

Name of remediator: _____

Initials of employee after reviewing test: _____

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1. Tylenol

Oh no - could it be?
His temperature is 103!
Calculation is the key!

Tylenol concentration = 160 mg/5mL

Tylenol order = 15 mg/kg

Patient weight = 18 kg



✳️ How many mg's will be ordered for this child? (Answer format: ____ mg)

✳️ How many mL's will you draw up for this patient? (Answer format: ____ mL)

2. Ibuprofen

Pain and fever, feeling under the weather,
Draw up meds to make me feel better!

Ibuprofen concentration: 100mg/5mL

Ibuprofen order: 10 mg/kg

Patient weight: 21 kg



✳️ How many mg's will be ordered for this child? (Answer format: ____ mg)

✳️ How many mL's will you draw up? (Answer format: ____ mL)

3. Adenosine

Those QRS's are way too tight
Calculate right

Before your patient loses the fight!

Adenosine concentration: 6mg/2mL

Adenosine order: 0.1 mg/kg

Patient weight: 12 kg



✳️ How many mg's will be ordered for this child? (Answer format: ____)

✳️ How many mL's will you draw up? (Answer format: ____ mL)

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4. Epinephrine

Her heart rate is way too slow!
Give some Epi to get it to go!

Epinephrine concentration: 0.1 mg/ml

Epinephrine order: 0.01 mg/kg

Patient weight: 22 kg



✳ How many mg's will be ordered for this child? (Answer format: __ __ __ mg)

✳ How many mL's will you draw up? (Answer format: __ __ mL)

5. Normal Saline bolus

Only one more task to do!

Complete this clue:

Your patient is mottled and blue -

She needs a bolus - you know what to do!

0.9% Normal Saline bolus order: 20ml/kg

Patient weight: 26 kg

✳ How many mL's will you draw up for this child? (Answer format: __ __ __ mL)

6. What is the best way to quickly administer this fluid, in an emergency?

- a) Manually, with push/pull method and a stopcock or large syringes
- b) Wide-open the fluid bag with gravity tubing
- c) Set the IV pump at a rate of 999
- d) All of the above are appropriate

7. The physician orders ondansetron 3 mg (0.1mg/kg) IV q8h PRN nausea/vomiting. The medication label reads 4mg/2 mL. How many mLs will you administer?

- a) 0.6 mL
- b) 6 mL
- c) 1.5 mL
- d) 3 mL



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8. What medication may be given to a child to counteract respiratory depression shortly after receiving IV Morphine?

- a. Romazicon
- b. Tylenol
- c. Narcan
- d. Benadryl



9. Your patient reports feeling jittery and anxious after an albuterol nebulizer treatment. His heart rate is elevated 25 beats per minute above his baseline. What do you do?

- a. Call for help, administer 100% oxygen via non-rebreather
- b. Reassure the patient that this is an expected side effect of albuterol
- c. Call the physician to report an adverse drug event
- d. Enter albuterol as an allergy in his medical record



10. Ten minutes after giving your patient IV Versed, you return to check vital signs. The patient has a respiratory rate of 6 bpm, and is lethargic with a slightly altered level of consciousness. What is your first action?

- a. Run and get Narcan to counteract the effects of versed
- b. Call for help, open the patient's airway and give oxygen
- c. Take the patient's vital signs
- d. Run and get Romazicon to counteract the effects of versed

11. The physician has ordered Oxycontin (controlled release 10 mg tabs) 1 tablet now for your patient. When you bring it to give to the patient, his mother states that he takes it best crushed with ice cream. What do you do?

- a. Get mom a spoon and ice cream so she can give him the medication the way he likes it
- b. Return to the med room to crush the pill and mix it with ice cream
- c. Leave the pill with mom so she can give it with his meal
- d. Educate mom about time release medications and how they must be given

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Peds Medication Administration Exam

12. You are getting an IV medication ready for a 2-year-old patient. After calculating the volume needed, you note that 3 vials of the medication are required to obtain the amount calculated. You should:

- a. Have another nurse double check your calculations, and verify ordered dose with the physician
- b. Give the medication as ordered
- c. Give the medication more slowly due to volume needed
- d. Draw all of the medication into a larger syringe versus 3 smaller syringes

13. What medication may be given to a child to counteract respiratory depression shortly after administration of IV benzodiazepines?

- a. Naloxone
- b. Morphine
- c. Flumazenil
- d. Albuterol