Pediatric Practice Problems

1.   Enter ceftriaxone 50 mg/kg IV-syringe q 12 hr through power chart.

2.   Verify ceftriaxone and dispense as an IV syringe from the stock solution.

3.   Change dosing weight to 15.8 kg

4.   Enter Zithromax 10 mg/kg IV-syringe once through powerchart.

5.   Verify Zithromax as an IV syringe from the stock solution.

6.   The IV room called and said they couldn't fit 57 mL in a syringe, the largest they have right now is 20. Change the Zithromax to an IV piggyback in 100 mL of fluid.

7.   In Powerchart, enter an order for Acetaminophen 15 mg/kg PO q6hr.

8.   Enter an order for Ibuprofen 10 mg/kg Oral q6hr PRn pain, but do not standardize the order.

9.   In Powerchart – enter a Vancomycin Initial Consult note for a pediatric patient.   Add the temperature in the last 24 hours, ins and outs, and PKS labs.

10.   In Powerchart, enter "PEDS DM New Onset / DKA Medications" with a Lantus dose of 12 units qhs, Carb ratio 1:12, and BG-120/50 TID with meals..   Verify in med manager.

11.   Enter an order for depakene 125 mg solution QID at 0600, 1100, 1500, 2200 (either in Med Manager or in Powerchart).

12.   Build an IV fluid in Med Manager – D7.5W + KCl 20 mEq/L at 75 mL/hr.

13.   Change dosing weight to 9.5 kg.   Enter order for ceftriaxone 100 mg/kg IV PB daily. – Verify order.

14.   Enter a dose of Zosyn for a 27 kg patient using PEDS Zosyn powerplan.

15.   Enter IM rocephin 50 mg/kg IM x1.

Pediatric Practice Problems

1.   Enter ceftriaxone 50 mg/kg IV-syringe q 12 hr through power chart. The idea behind this one would be to notice it doesn't pop up the dosing calculator.   Would show the different "filter order sentence" things – note that if test patient is appropriate age/weight, ALL the adult sentences display, but only a couple of the pediatric do. Very easy to miss the correct peds one.

2.   Verify ceftriaxone and dispense as an IV syringe from the stock solution. This would just be about product selection. For us at HHWC/MH the products that are "IV STOCK SOLN" print by the IV room, and print syringe labels for each dose, based on batch.

3.   Change dosing weight to 15.8 kg Just demonstrating how to change dosing weights in kids – same as adults.

4.   Enter Zithromax 10 mg/kg IV-syringe once through powerchart. Should require them to unfilter order sentences. MUST be IV Syringe option to set up next 2 steps.

5.   Verify Zithromax as an IV syringe from the stock solution. Normal verification. Note – "IV STOCK SOLN" products show volume of the syringe when you assign it. These products usually are max PIV Concentration. A few state "Central" such as vancomycin. Unsure if HK/RB will have these.

6.   The IV room called and said they couldn't fit 57 mL in a syringe, the largest they have right now is 20. Change the Zithromax to an IV piggyback in 100 mL of fluid. Again, showing product selection and changes.   We will make these kind of 1 line to 2 line item changes quite frequently over here at HHWC.

7.   In Powerchart, enter an order for Acetaminophen 15 mg/kg PO q6hr. Demonstrates the fact that these orders dose standardize to doses that make sense based on the concentration of the drug. Medication rounding is based only on the strength field of a drug and not the volume. (Cannot set to round to nearest 1 mL dose, has to be done as dose standardization). Note this is done automatically and doesn't display the dosing calculator.

8.   Enter an order for Ibuprofen 10 mg/kg Oral q6hr PRn pain, but do not standardize the order. Demonstrates how to enter a non-standardized dose.

9.   In Powerchart – enter a Vancomycin Initial Consult note for a pediatric patient.   Add the temperature in the last 24 hours, ins and outs, and PKS labs. The goal for this is just to show that there are pediatric versions of the vancomycin / aminoglycoside notes.

10.   In Powerchart, enter "PEDS DM New Onset / DKA Medications" with a Lantus dose of 12 units qhs, Carb ratio 1:12, and BG-120/50 TID with meals..   Verify in med manager. This is to demonstrate how the Carb ratio and the formula orders work in Cerner and to stress the importance of keeping the formatting for crossing to Pyxis.

11.   Enter an order for depakene 125 mg solution QID at 0600, 1100, 1500, 2200 (either in Med Manager or in Powerchart). Demonstrating how to enter non-standard dosing times that are also not evenly spaced out using the custom button.

12.   Build an IV fluid in Med Manager – D7.5W + KCl 20 mEq/L at 75 mL/hr. Showing how to build fluids that do not exist currently as CPOE IV Sets or IV Sets in Cerner. Also showing that we have built several dummy Dextrose % base fluids.

13.   Change dosing weight to 9.5 kg.   Enter order for ceftriaxone 100 mg/kg IV PB daily. – Verify order. The main purpose of this one is to show that some items (Like rocephin) have dose standardization built into them to round them to the nearest commercially available dose as long as its within 10%.   This one has the additional benefit in that to change it from the IVPB product to the vial for IV Push, you have to change the order type.

14.   Enter a dose of Zosyn for a 27 kg patient using PEDS Zosyn powerplan. For combo products like pip/tazo and amp/sulbactam – if the dose is a weight based dose (IE 80 mg/kg, the final dose should also be in mg.) IF the dose isn't weight based, it should be in grams (IE 3.375 grams).

15.   Enter IM rocephin 50 mg/kg IM x1.   For IM Rocephin doses in pediatrics we use the synonym "ceftriaxone (Rocephin) IM with Lidocaine" which allows them to get a lidocaine out of pyxis to use to reconstitute.