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 DOB 10/15/20XX
 MR 0065245881

Pediatric IVPB Sim Activity - STUDENT

Situation

- **Chief Complaint: Right Orbit Cellulitis: MRSA Positive; Post Op Surgical Repair and Stabilization of Right Eye Orbit Resulting from MVC**

Background

- **Admission Data:** Child involved in motor vehicle collision with parents and younger sister while in route to Children’s ED to have younger sister evaluated for excessive vomiting and diarrhea. Child experienced severe lacerations to right eye orbital area during collision and x-ray performed in ED confirmed multiple small bone fractures to right eye orbit. Surgical repair of right eye orbit performed. Child developed cellulitis to area on post-op day 5, culture confirmed MRSA. Currently in room 349 on pedi floor.
- **Allergies:** NKDA **Code Status:** Full **Weight:** 50 lbs.
- **Pertinent Medical History:** None
- **Pertinent Psychosocial History:** Unremarkable

Assessment

- **Vital Signs:** HR 90, RR 20, temp 98.6F, BP 110/76, O2 sat 98%, pain rating 8/10 (Numbers)
- **Pertinent Assessment:**
 - Awake, alert, talkative, cooperative. Dressing intact to right eye, no bleeding or drainage noted. Skin around dressing with increased redness and minimal edema noted.
- **Physician Orders:**
 - Vital signs with neuro checks every 4 hours
 - Diet for age
 - Strict I&O
 - IVF: D5 1/4NS + 20 mEq KCL/liter at 65 ml/hour
 - Morphine 2 MG IV q 4 hours prn severe pain
 - Clindamycin 300 MG IV every 8 hours
 - Daily CBC and electrolytes

Recommendation

- No pain meds administered for past 4 hours, antibiotic due now

Calculate the child’s weight in kilograms: 50 lbs = _____kg

Calculate the maintenance fluid requirements for this child _____

Calculate the minimum acceptable urine output for this child _____

1

Morphine:

- What is the therapeutic range?
- Is the dose ordered within the therapeutic range?
- How many mL of medication should you draw out of the vial?
- Does the medication need to be diluted?
- What is the recommended rate of administration?

Administer the IVP pain medication NOW**Clindamycin:**

- Why was Clindamycin prescribed for this child?
- What type organism does the antibiotic target?
- What part(s) of the body does the antibiotic target?
- What is the therapeutic range?
- Is the dose ordered within the therapeutic range?
- What is the recommended concentration for the medication?
- Is the IVPB within the recommended concentration range?
- What is the recommended rate of administration?

Administer the IVPB antibiotic NOW