

Jimmy John Pediatric Assessment/Intervention Activity

Student Copy

Assessment Lab Instructions

- Assess the simulated situation independently. You may touch the manikin but NO talking.
- We will discuss your findings, concerns, questions in a group setting.
- Complete the following assessment paperwork:

Scenario:

Patient: Jimmy John is a 7 year old male recovering from a MVC where he sustained a severe closed head injury. He was on the ventilator for 2 weeks. He currently has a tracheostomy and spontaneous respirations. He responds only to painful stimuli. He receives nutrition via his feeding tube but is currently NPO for an MRI of the head later today. He received a chest tube 3 days ago for a pneumothorax.

Today his lung sounds are normal bilaterally, respirations 40, HR 120

Active bowel sounds X 4 quadrants

Pulse 2+ for all 4 extremities

Skin warm, dry

- It is assumed the side rails are up and the patient is on a hospital bed
- Assess the simulated patient, physician orders, tubes, lines, etc.

Physician Orders:

Jimmy John 7 yr. old male

Dr. George

DOB 7/18/20XX

MA 12674567888

Weight 55 lbs

NKDA

NPO

Bedrest

Chest tube to gravity

Foley to gravity

HME to trach as tolerated

Call for O2 sats less than 89%

Ceftriaxone 650mg/25 mL NS IVPB every 12 hrs.

D51/4 NS + 20 mEq KCL/liter at 85 ml/hr.

Strict I & O

Clean G Button site

➤ List safety concerns you identified:

- Are the physician orders appropriate for this patient? If not, what would you question?

- Calculate Jimmy's weight in kilograms _____ kg

- Calculate maintenance fluid requirements for this patient _____ mL/hr

o Is the current IV fluid rate appropriate for this patient? _____

o What amount will you set the "volume to be infused" on the IV pump? ____ mL

- Calculate minimal urine output for this patient _____ mL/hr

- Is the urine output appropriate for the last 24 hours? Y N

- Jimmy has an order for Ceftriaxone 650 mg IVPB every 12 hrs. The pharmacist has mixed the dose that is now due in 25mL Sodium Chloride 0.9%.

o What is the therapeutic range for this medication?

o Is the dose ordered within therapeutic range?

o What is the recommended concentration?

o Is the prescribed dose within the recommended concentration range?