

PART 2 PEDIATRIC, MATERNITY, AND WOMEN'S HEALTH CASES

4. Your assessment includes the following findings. Select the abnormal findings and state a possible rationale for each.

| System | Assessment and Vital Signs | If Abnormal, State Rationale |
|------------------|--|------------------------------|
| Weight | 4.5 kg | |
| Neurologic | Irritable, awake, and fussy; difficult to console FOC: 44 cm, "increased 2 cm from measurement yesterday" per mother Anterior fontanel slightly bulging Unable to palpate posterior fontanel Pupils equal and reactive | |
| Respiratory | Bilateral breath sounds equal and clear Sp _o ₂ 95% on room air Respiratory rate: 40 breaths/min | |
| Cardiovascular | Rectal temperature: 38.8° C Heart rate (HR): 182 Blood pressure (BP): 111/70 Pulses 2+ and equal bilaterally | |
| Gastrointestinal | Positive bowel sounds Emesis during examination Last feeding 6 hours ago | |
| Genitourinary | Last urine output 2 hours ago | |
| Musculoskeletal | Moves all extremities well Head lag noted | |
| Skin | Diaper rash noted | |

5. The doctors order a CT scan and lumbar puncture with a cell count, culture, Gram stain, glucose, and protein run on the CSF. What is the rationale for each procedure?

CASE STUDY PROGRESS

It is determined that the VP shunt is infected and must be temporarily removed. L.M. is taken to surgery to have a left extraventricular drain (EVD) placed. She returns to your unit in stable condition. You get her settled back into her room and perform her assessment. You note that her EVD is intact and draining CSF. The dressing is clean and dry and intact under a sterile dressing.

6. True or False: The position of the EVD should be maintained at the level of the auditory meatus. Explain your answer.

Chart View

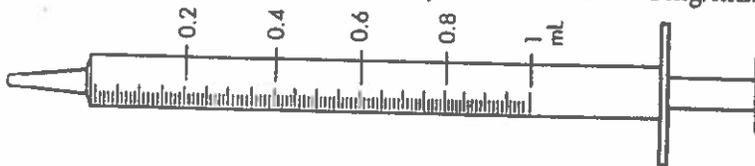
Medication Administration Record (MAR)

Acetaminophen (Tylenol) 15 mg/kg PO q4h
 Morphine sulfate 0.05 mg/kg IV q4h
 Enalapril (Vasotec) 5 mcg/kg q24h
 Cefotaxime (Claforan) 150 mg/kg/day IV in divided doses q8h
 Baclofen (Lioresal) 10 mg/kg/day PO q8h
 Ondansetron (Zofran) 0.1 mg/kg IV now

7. Which of these medications are appropriate for L.M.'s diagnosis? Select all that apply and state the rationale for the ones you chose. Then, give a reason for those you feel are not appropriate.

8. You are preparing to give the first dose of antibiotic that is ordered. Referring to L.M.'s medication administration record, calculate the amount of the antibiotic that you will administer per dose.

9. L.M. is very fussy, and you decide to medicate her for pain. Calculate the amount of morphine L.M. will receive for pain per dose (do not round). Then calculate the amount you will draw up for the required dose, and mark the syringe appropriately (round to hundredths). The morphine is available in an injection solution of 2 mg/mL.



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10. Which of these tasks can be appropriately delegated to the nursing assistive personnel?
 - a. Performing the every-2-hour neurologic check
 - b. Obtaining a complete set of VS and charting
 - c. Instructing the parents on changes in neurologic status
 - d. Changing the dressing on the surgical site

11. In which of the following positions should L.M. be placed immediately postoperatively?
 - a. Flat, left side-lying
 - b. Flat, right side-lying
 - c. Supine, head of bed (HOB) 45 degrees
 - d. Supine, Trendelenburg

12. What points will you address while teaching the parents about the EVD system?

CASE STUDY PROGRESS

Several days later, L.M.'s mother is changing L.M.'s diaper and she tells you that she is worried because L.M. has started having diarrhea recently, and it is getting worse.

13. Based on the medications that L.M. is receiving, what is the most likely cause of the diarrhea? What is a possible concern you should consider, and what should your care plan include?

CASE STUDY PROGRESS

L.M. responds well to the antibiotics, and her shunt is internalized 2 weeks later. She is released from the hospital after observation for 2 days.

14. While you are giving your discharge instructions, L.M.'s mother states that she normally gives L.M. 1 mL of acetaminophen (Tylenol Elixir), 160 mg/5 mL, and asks whether this is the correct dose. L.M.'s current weight is 4.5 kg and the therapeutic range of acetaminophen dosage is 10 to 15 mg/kg q4-6 h. Which of these statements would be your best response?
- "This is a safe amount; you should continue to give that dose every 4 hours."
 - "You can continue to give her that amount; you can give her a dose every 2 hours."
 - "You should give 1.4 to 2.1 mL every 4 to 6 hours based on her current weight."
 - "Tylenol should not be given to a child her age."

CASE STUDY OUTCOME

L.M. returns for her postoperative checkup 2 weeks later and is playful and alert. The neurologist will continue to monitor her closely with follow-up visits.