

IM5 (Pediatrics) Critical Thinking Worksheet**Patient Age:** 5 yrs old**Patient Weight:** kg

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| Student Name: Chelsie Callesen | Unit: PICU Pt. Initials: B.S. | Date: 9/21/2022 |
| 1. Disease Process & Brief Pathophysiology (Identify Key Concepts to Your Patient and Include Reference): A ventriculoperitoneal (VP) shunt is a cerebral shunt that drains excess cerebrospinal fluid (CSF) when there is an obstruction in the normal outflow or there is a decreased absorption of the fluid. Cerebral shunts are used to treat hydrocephalus. A shunt consists of a ventricular catheter that is connected to a valve and then connected to a distal catheter. The distal end of a VP shunt is placed in the peritoneal cavity. It's suspected that a VP shunt has malfunctioned when one or more symptoms of hydrocephalus are observed. | 2. Factors for the Development of the Disease/Acute Illness: Shunt blockade, shunt infection, shunt migration, CSF ascities | 3. Signs and Symptoms: Enlargement of head, swelling along the shunt tract, vomiting, headache, sleepiness (P), irritability, loss of previous abilities (sensory or motor function), fever (potentially present with shunt failure or infection), redness along the shunt tract (potentially present with shunt failure or infection), vision problems (P), personality change (P). |
| 4. Diagnostic Tests Pertinent or Confirming of Diagnosis: Ultrasound, CT scan, MRI, shunt series (P), shunt patency study, shunt tap, ICP monitoring | 5. Lab Values That May Be Affected: WBC, neutrophil count, blood glucose, absolute lymphocytes (P) | 6. Current Treatment (Include Procedures): Shunt revision (P) |

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| <p>7. Pain & Discomfort Management: List 2 Developmentally Appropriate Non-Pharmacologic Interventions Related to Pain & Discomfort for This Patient.</p> <p>1.</p> <p>2.</p> <p>*List All Pain/Discomfort Medication on the Medication Worksheet Click here to enter text.</p> | <p>8. Calculate the Maintenance Fluid Requirement (Show Your Work):</p> <p>Actual Pt MIVF Rate:</p> <p>Is There a Significant Discrepancy? <input type="text"/></p> <p>Why?</p> | <p>9. Calculate the Minimum Acceptable Urine Output Requirement (Show Your Work):</p> <p>Actual Pt Urine Output:</p> |
| | <p>10. Growth & Development: List the Developmental Stage of Your Patient For Each Theorist Below and Document 2 OBSERVED Developmental Behaviors for Each Theorist. If Developmentally Delayed, Identify the Stage You Would Classify the Patient:</p> <p>Erickson Stage:</p> <p>1.</p> <p>2.</p> <p>Piaget Stage:</p> <p>1.</p> <p>2.</p> | |

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| 11. Focused Nursing Diagnosis: | 15. Nursing Interventions related to the Nursing Diagnosis in #11: 1. Evidenced Based Practice: | 16. Patient/Caregiver Teaching: 1. 2. 3. |
| 12. Related to (r/t): | 2. Evidenced Based Practice: 3. Evidenced Based Practice: | |
| 13. As evidenced by (aeb): | | 17. Discharge Planning/Community Resources: 1. 2. 3. |
| 14. Desired patient outcome: | | |