

IM5 (Pediatrics) Critical Thinking Worksheet

Patient Age: 13

Patient Weight: 48kg

<p>Student Name: Jesus Carrasco</p>	<p>Unit: 3North Pt. Initials: C.S.</p>	<p>Date: 5/25/2021</p>
<p>1. Disease Process & Brief Pathophysiology (Identify Key Concepts to Your Patient and Include Reference): Neutropenia is the decreased number of circulating neutrophils in the bloodstream. The neutrophils are the cells within your immune system that attack organisms such as bacteria that invade your body. The cells are a type of white blood cells that is created by the bone marrow. Neutrophils travel throughout the body toward areas of infection and ingest and neutralize the bacteria. The absolute neutrophil count is the reference range for the severity of this disorder. Defined range is less than 1500 per microliter. (Hockenberry et al., 2022)</p>	<p>2. Factors for the Development of the Disease/Acute Illness: Problems producing neutrophils within bone marrow Destruction of neutrophils outside bone marrow Infection (P) Nutritional deficiency (P) Congenital Cancers: Leukemia Radiation/Chemotherapy (P) TB Medications: Antibiotics, BP, Psych, Epilepsy Meds.</p>	<p>3. Signs and Symptoms: Ulcers Abscesses (With collections of pus) Rash Wounds that take long time to heal Fever (P) Mouthsores (P) Swollen gums Pneumonia</p>
<p>4. Diagnostic Tests Pertinent or Confirming of Diagnosis: Bone Marrow Biopsy Blood Cell Count (P) Chest X-Ray (P) Viral Testing (Corona Virus, Parainfluenza) (P)</p>	<p>5. Lab Values That May Be Affected: CBC: WBC- increases Neutrophils: Decreases (P) ANC: Decreases (P)</p>	<p>6. Current Treatment (Include Procedures): Antibiotics Isolation Increased caloric intake Ambulation Fluid replacement</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> <ol style="list-style-type: none"> 1. Diversion Tactics: Changing scenery to the Teen Room 2. Ambulation: Outside of room and outdoors <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> $10 \times 100 = 1000$ $10 \times 50 = 500$ $28 \times 20 = 560$ 2060mL/24hrs </p> <p>Actual Pt MIVF Rate: 270, not recorded throughout shift</p> <p>Is There a Significant Discrepancy?</p> <input type="text"/>	<p>9. Calculate the Minimum Acceptable Urine Output Requirement (Show Your Work):</p> <p>$48 \times 0.5 = 96$</p> <p>Actual Pt Urine Output: None observed during shift</p>

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	<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: Identity versus Role Confusion</p> <ol style="list-style-type: none"> 1. Patient stated since he's been in hospital that he has learned to make friends with older adults and the nurses to build relationships. 2. Patient has had a change in his moods/emotions and interests. Patient stated that instead of wanting to watch tv night before, he'd rather stay up and watch the rain outside for 1-2 hours. <p>Piaget Stage: Concrete Operational and Formal Operational Thought</p> <ol style="list-style-type: none"> 1. Patient understood how each nurse works in their own manner in care but each administer medications with the same goal in mind. 2. Patient stated his thoughts on helping other children improve their emotions and treatments. His thought of the security staff having their own in-house therapy/service dogs to visit kids in the hospital instead of outside volunteers. 	
<p>11. Focused Nursing Diagnosis: Risk for Infection (Lewis et al., 2014)</p>	<p>15. Nursing Interventions related to the Nursing Diagnosis in #11:</p> <ol style="list-style-type: none"> 1. Promote good hand washing <p>Evidenced Based Practice: This protects the patient from sources of infection from self and visitors. Proper handwashing decreases number of bacteria on surfaces.</p>	<p>16. Patient/Caregiver Teaching:</p> <ol style="list-style-type: none"> 1. Monitor signs and symptoms of infection and contact physician as soon as possible if they arise. 2. Take antibiotics as prescribed and take full regimen to prevent resistance. 3. Reposition frequently; keep linens dry and wrinkle free to prevent irritation and pressure to body tissue. This will decrease chances of skin breakdown and secondary bacterial growth.
<p>12. Related to (r/t): Increase in invasive treatments and interventions with left chest port.</p>	<ol style="list-style-type: none"> 2. Emphasize the importance of personal hygiene <p>Evidenced Based Practice: Proper personal hygiene will limit the potential for infection by secondary growth of bacteria.</p>	

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13. As evidenced by (aeb): The continuation of decreasing bacteria fighting cells from recent lab results. Leaving the patient more susceptible to infections with interventions such as contamination at port site when during dressing changes and continued medication administration.	3. Promote adequate rest and exercise periods Evidenced Based Practice: Exercise will maintain sufficient movement to prevent complications such as thrombus formation and pneumonia. Rest will decrease chance on fatigue.	17. Discharge Planning/Community Resources: 1. Home health to limit hassle of driving from out of town for procedures that are able to be done at home. 2. Department of Health and Human Services for strategies, programs and information regarding management of health.
14. Desired patient outcome: To identify and participate in interventions to prevent/reduce risk of infection. Goal is to teach proper care of port by providing one on one education on hygiene, cleanliness and protection at insertion site. Patient is to show understanding of proper care by teach back and demonstration of skills as nursing staff observes technique. Goal is to show competence in keeping site clean and safe by discharge on 5/25/21 at 1500.		3. Dietician consult with local Market Street grocery store for education with adequate caloric intake to prevent further nutrition deficiencies.