

IM5 (Pediatrics) Critical Thinking Worksheet**Patient Age:** 4 y/o**Patient Weight:** 15kg

Student Name: Brooke Jones	Unit: Pedi floor Pt. Initials:	Date: 1/12/2022
1. Disease Process & Brief Pathophysiology (Identify Key Concepts to Your Patient and Include Reference): Wilms tumor is a common cancer found in the kidneys. It occurs when kidney cells fail to mature and begin to cluster into a large mass leading to a tumor in the kidney. It typically affects only one kidney but in some cases, can affect both kidneys. Wilms tumor is caused by mutations of several genes that signal cells for growth and cell division. The reason for these mutations is unknown. Swearingen, P. L., & Wright, J. (2019). All-in-One nursing care planning resource - E-book: Medical-surgical, pediatric, maternity, and psychiatric-mental health. Elsevier Health Sciences.	2. Factors for the Development of the Disease/Acute Illness: Genetic changes WAGR syndrome Beckwith-Wiedemann syndrome Denys-Drash syndrome Family history African American race	3. Signs and Symptoms: Abdominal mass Abdominal swelling Abdominal pain Fever Blood in urine High blood pressure Shortness of breath

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4. Diagnostic Tests Pertinent or Confirming of Diagnosis: Physical exam CT scan MRI Ultrasound	5. Lab Values That May Be Affected: Creatinine RBC WBC Platelets	6. Current Treatment (Include Procedures): Surgery Chemotherapy Radiation therapy
7. Pain & Discomfort Management: List 2 Developmentally Appropriate Non-Pharmacologic Interventions Related to Pain & Discomfort for This Patient. 1. Distraction: While experiencing pain or discomfort, child can be provided with favorite toy or watch TV. 2. Controlled breathing: The child can blow bubbles and do breathing exercises while experiencing pain or discomfort. *List All Pain/Discomfort Medication on the Medication Worksheet Click here to enter text.	8. Calculate the Maintenance Fluid Requirement (Show Your Work): $10 \text{ kg} \times 100 = 1000\text{mL}$ $5 \text{ kg} \times 50 = 250\text{mL}$ total = 1250mL/day, 52.08mL/hr Actual Pt MIVF Rate: Is There a Significant Discrepancy? <input type="text"/> Why?	9. Calculate the Minimum Acceptable Urine Output Requirement (Show Your Work): $0.5 \text{ mL} \times 15\text{kg} = 7.5\text{mL/hr}$ Actual Pt Urine Output:

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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: Initiative vs. Guilt</p> <ol style="list-style-type: none"> 1. If patient was observed, they might initiate conversation by asking many questions and sharing their opinions. 2. While interacting with this patient, it would be a great idea to incorporate play and allow them to pick which character role they would like to be. <p>Piaget Stage: Preoperational Period</p> <ol style="list-style-type: none"> 1. For the egocentric aspect of this period, the child might not let the healthcare provider perform a procedure that needs to be done because it hurts them and they do not care what anyone else wants. 2. A child in this stage believes in animism. They might have a favorite stuffed animal that they believe is alive. 	
<p>11. Focused Nursing Diagnosis: Impaired Oral Mucous Membrane</p>	<p>15. Nursing Interventions related to the Nursing Diagnosis in #11:</p> <ol style="list-style-type: none"> 1. Assess oral cavity for pain ulcers, lesions, gingivitis, or stomatitis and effect on the ability to ingest food and fluids. <p>Evidenced Based Practice: Provides information about chemotherapy effect.</p>	<p>16. Patient/Caregiver Teaching:</p> <ol style="list-style-type: none"> 1. Teach parents to avoid oral temperatures to prevent oral trauma. 2. Avoid foods that are hot, spicy, or are high in vitamin C. 3. Teach patient and caregivers proper oral care.
<p>12. Related to (r/t): Chemotherapy</p>	<ol style="list-style-type: none"> 2. Instruct patient to use a soft-sponge toothbrush. <p>Evidenced Based Practice: Prevents oral trauma</p> <ol style="list-style-type: none"> 3. Offer moist, soft, bland foods. 	

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13. As evidenced by (aeb): Oral pain or discomfort Oral ulcers Stomatitis	Evidenced Based Practice: Minimizes irritation to oral ulcers.	17. Discharge Planning/Community Resources: <ol style="list-style-type: none"> 1. Follow-up appointments 2. Nutritional planning 3. Family or individual counseling
14. Desired patient outcome: After treatment/interventions, child will be free of oral mucous membrane irritation.		