

IM5 (Pediatrics) Critical Thinking Worksheet

Patient Age: 7

Patient Weight: 21kg

Student Name: Brianna Luera	Unit:	Pt. Initials:	Date: Click here to enter a date.
1. Disease Process & Brief Pathophysiology (Identify Key Concepts to Your Patient and Include Reference): Cystic Fibrosis is a mutation in the CF transmembrane conductance regulator. Chloride and sodium ions are not transported correctly causing thick mucus build up and malfunction in many organs/areas in the body such as the lungs and digestive system. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3870500/	2. Factors for the Development of the Disease/Acute Illness: Family history Genetics	3. Signs and Symptoms: Cough with thick mucus Lung infections Recurrent sinusitis Wheezing Foul smelling, greasy stools Poor weight gain Poor growth Constipation Activity intolerance	

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4. Diagnostic Tests Pertinent or Confirming of Diagnosis: Sweat test	5. Lab Values That May Be Affected: Immunoreactive Trypsinogen Glucose Hemoglobin Amylase Lipase BMP	6. Current Treatment (Include Procedures): There is no cure for Cystic Fibrosis but there is supportive care to reduce the symptoms and to prevent any infections from occurring.
7. Pain & Discomfort Management: List 2 Developmentally Appropriate Non-Pharmacologic Interventions Related to Pain & Discomfort for This Patient. 1. A parent reading a book to their child 2. Watching videos *List All Pain/Discomfort Medication on the Medication Worksheet Click here to enter text.	8. Calculate the Maintenance Fluid Requirement (Show Your Work): $10 \times 100=1000$ $10 \times 50=500$ $1 \times 20=20$ 1520 Actual Pt MIVF Rate: Is There a Significant Discrepancy? <input type="text"/> Why?	9. Calculate the Minimum Acceptable Urine Output Requirement (Show Your Work): $0.5 \times 21=10.5$ 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: Industry vs Inferiority</p> <ol style="list-style-type: none"> 1. Wants to finish a puzzle 2. Wants learn how to play a new board game <p>Piaget Stage: Concrete Operational</p> <ol style="list-style-type: none"> 1. Collects objects 2. Classify friends and relationships 	
<p>11. Focused Nursing Diagnosis: Impaired gas exchange</p>	<p>15. Nursing Interventions related to the Nursing Diagnosis in #11:</p> <ol style="list-style-type: none"> 1. Place the client in semi fowlers <p>Evidenced Based Practice: Promotes lung expansion</p>	<p>16. Patient/Caregiver Teaching:</p> <ol style="list-style-type: none"> 1. Teach the patient the importance of resting and taking frequent rest breaks 2. Teach the patient to cough up and spit any mucus out

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12. Related to (r/t): airway and alveoli inflammation	2. Provide for rest between activities during the day Evidenced Based Practice: Activity increases fatigue and increases oxygen need	3. Teach the patient to eat high calorie and high protein foods
13. As evidenced by (aeb): Cough Dyspnea Hypoxemia Cyanosis Restlessness	3. Administer oxygen therapy as indicated Evidenced Based Practice: Decreases the work of breathing and maintains adequate oxygenation	17. Discharge Planning/Community Resources: 1. Have case management speak with patient about financial ability to obtain any equipment or medications needed 2. Have respiratory care personnel meet with patient
14. Desired patient outcome: Patient will maintain oxygen saturation of 90% or higher by time of discharge.		3. Provide support groups for the patient and the family to attend