

IM5 (Pediatrics) Critical Thinking Worksheet

Patient Age: 33wks 5d

Patient Weight: 4lbs 3.7oz/1920 grams

<p>Student Name: Meagan Britt</p>	<p>Unit: NICU Pt. Initials: ROOM 5</p>	<p>Date: March 29, 2022</p>
<p>1. Disease Process & Brief Pathophysiology (Identify Key Concepts to Your Patient and Include Reference):</p> <p>Respiratory Distress Syndrome (RDS) occurs when there is not enough surfactant in the lungs. Surfactant is a liquid made by the lungs that keeps the airways (alveoli) open, making it possible for babies to breathe in air after delivery. Production of surfactant starts at about 26 weeks of pregnancy, causing some premature infants to have a deficiency. When there is not enough surfactant the tiny alveoli start to collapse and cause damaged cells collect in the airways, further affecting breathing. As the baby's lung function gets worse, the baby takes in less oxygen, leading to carbon dioxide build up in the blood (creating acidosis).</p>	<p>2. Factors for the Development of the Disease/Acute Illness:</p> <ul style="list-style-type: none"> -Birth before 28wks -Boy/White -Cesarean Delivery -Perinatal Asphyxia -Cold Stress -Infection -Multiple Births -Diabetic Mother -Patent Ductus Arteriosus 	<p>3. Signs and Symptoms:</p> <ul style="list-style-type: none"> -Increased Difficulty Breathing -Cyanosis -Nostril Flaring -Grunting -Increased Respiration -Retractions
<p>4. Diagnostic Tests Pertinent or Confirming of Diagnosis:</p> <ul style="list-style-type: none"> -Chest X-ray of the Lungs (bones and organs) -Echocardiography (heart structures and how its working) -Blood gas tests (measure amount of oxygen, carbon dioxide and acid in the blood) 	<p>5. Lab Values That May Be Affected:</p> <ul style="list-style-type: none"> -CBC -Chemistries -Liver function tests -Coagulation studies -Arterial blood gas analysis -D-dimer -Troponin -Lactate 	<p>6. Current Treatment (Include Procedures):</p> <ul style="list-style-type: none"> -Intubation -Supplemental Oxygen -CPAP -Artificial Surfactant -Comfort Medications -Low stimulation (Decrease Stressors)