

# IM5 (Pediatrics) Critical Thinking Worksheet

Patient Age: 29 days

Patient Weight: 1.3 kg

<p><b>Student Name:</b> Briana Marin</p>	<p><b>Unit:</b> NICU <b>Pt. Initials:</b></p>	<p><b>Date:</b> 3/9/2022</p>
<p><b>1. Disease Process &amp; Brief Pathophysiology (Identify Key Concepts to Your Patient and Include Reference):</b>  Premature secondary to Respiratory Distress Syndrome. When premature babies are born they have underdeveloped lungs and lack surfactant. This causes ineffective gas exchange. The lungs move oxygen from the air into the blood through tiny sacs known as alveoli. When the baby lacks surfactant the alveoli collapse which makes the baby work even harder to open them up. Surfactant helps alveoli from collapsing when breathing out. (Hockenberry, page 254)</p>	<p><b>2. Factors for the Development of the Disease/Acute Illness:</b>  Low gestational age (P)  White male baby  C-section (P)  Cold stress  Infection  Maternal diabetes  Perinatal depression  Patent ductus arteriosus  (Hockenberry, page 254)  (Stanford,2022)</p>	<p><b>3. Signs and Symptoms:</b>  Tachypnea  Dyspnea(P)  Pronounced intercostal or substernal retractions(P)  Fine inspiratory crackles  Audible expiratory grunt  Flaring of the external nares(P)  Cyanosis or Pallor  (Hockenberry, page 254)</p>
<p><b>4. Diagnostic Tests Pertinent or Confirming of Diagnosis:</b>  CXR(P)  HUS(P)  KUB(P)  VLBW screens (P)  ECHO  (Hockenberry, page 254)  (Stanford, 2022)</p>	<p><b>5. Lab Values That May Be Affected:</b>  CBC(P)  Blood culture(P)  CMP(P)  TsB non invasive biliruben (P)  (Hockenberry, page 254)</p>	<p><b>6. Current Treatment (Include Procedures):</b>  Adequate ventilation and oxygen (P)  Maintain acid-base balance  Maintain neutral thermal environment(P)  Gavage feeding(P)  Antibiotic prophylactic(P)  Artificial surfactant  (Hockenberry, page 254)</p>

D.O.B. 02/08/2022

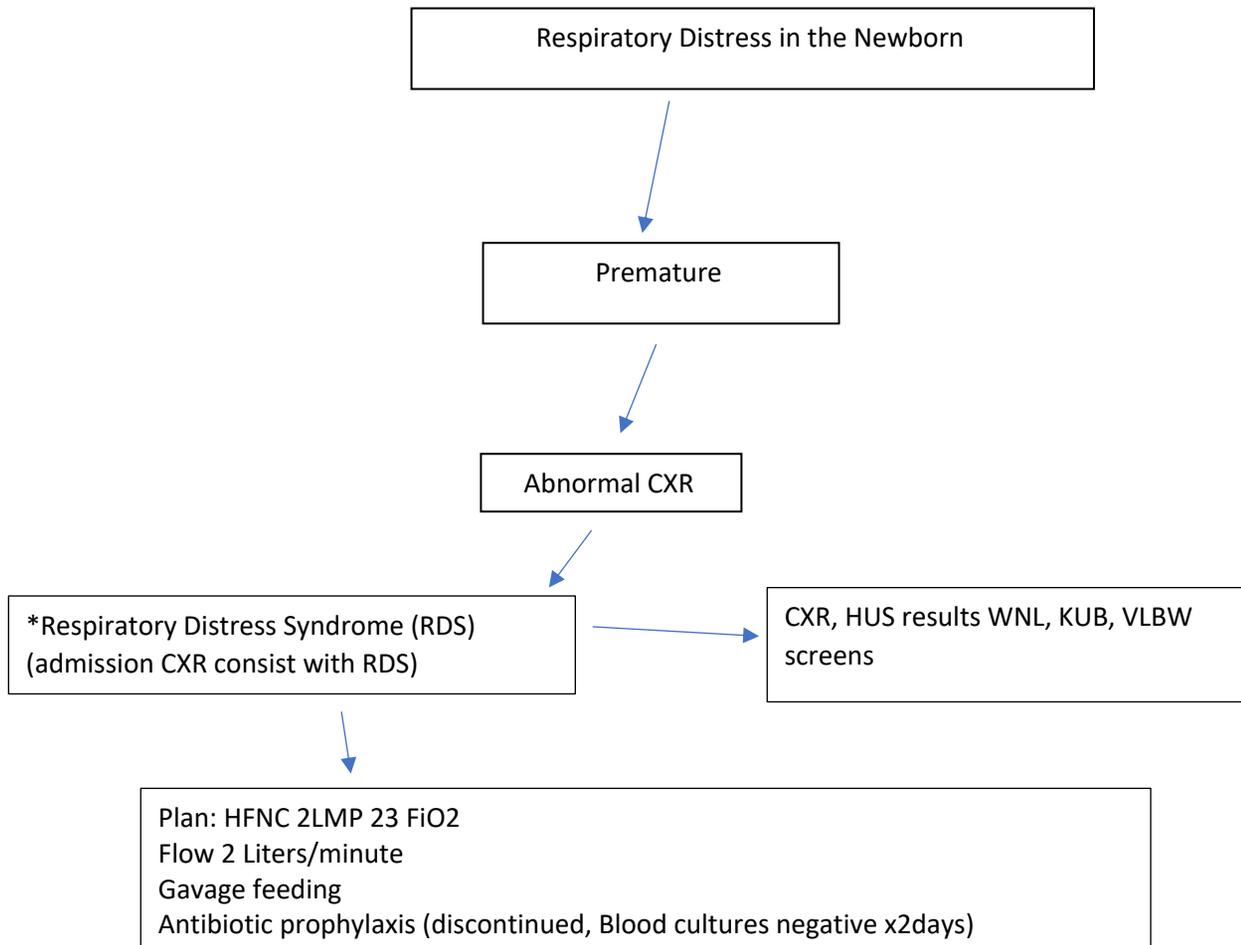
Gestational Age 30 5/7 Adjusted Gest. Age 34 5/7

Birthweight 1 lbs. 14 oz./ 860 grams

Current weight 3 lbs. 4.6 oz./ 1490 grams

APGAR at birth: 6

Primary Diagnosis:



## Citation

Hockenberry, M. J., Wilson, D. & Rodgers, C.C (2022). *Wong's essentials of pediatric nursing*. Elsevier. (page254)

Stanford Children's hospital. (2022). *default - Stanford Children's Health*. Stanford Children's Health. Retrieved September 3, 2022, from <https://www.stanfordchildrens.org/en/topic/default?id=respiratory-distress-syndrome-90-P02371>