

Cayman Smith

# NICU Disease Process Map

DOB 3/13/2024 APGAR at Birth 3 6 8 - Score  
1 5 10 - mins

Gestational Age 30w Birth weight 2 lbs 9.3 oz 1260 grams  
Adjusted Gestational Age 35w Current weight 4 lbs 3.5 oz 1913 grams

Disease Name Respiratory Distress Syndrome (RDS)

What's happening in the body?

Premature lung development Low Surfactant

What am I going to see during my assessment?

Tachypnea, Cyanosis, Nostril flaring, Chest retractions, Grunting

What test and labs will be ordered

CXR ABG CBC

What trends and findings are expected

CXR - lungs collapsed or fluid blocking Gas exchange

CBC - Possible infection - increased WBC

ABG - Acidosis due to poor gas exchange

What medications and nursing interventions will you anticipate?

Antibiotics, CPAP, Ventilation, Artificial Surfactant Replacement, Warm environment (warmer/isolet)

How will you know if the patient is improving?

Clear CXR, Normal ABG, Stable O<sub>2</sub> Sat w/o O<sub>2</sub>, Stable body temp, Consistent Growth

What are the risk factors for the diagnosis?

Multiple Births, Prematurity, C-Section, Infection, Cold Stress

What are long term complications

Developmental Disabilities Failure to thrive Impaired hearing/movement

What patient teaching for management/prevention can the nurse do

Educate parents to be active with prenatal health and of all procedures/processes for the treatment

Student Name: Cayman Smith

Unit: NICU

Pt. Initials: \_\_\_\_\_

Date: 4/17/24

Pediatric Medication Worksheet – Current Medications & PRN for Last 24 Hours

Allergies: NKA

Primary IV Fluid and Infusion Rate (ml/hr)	Circle IVF Type	Rationale for IVF	Lab Values to Assess Related to IVF	Contraindications/Complications
<u>N/A</u>	Isotonic/ Hypotonic/ Hypertonic			

Generic Name	Pharmacologic Classification	Therapeutic Reason	Dose, Route & Schedule	Therapeutic Range?	IVP – List diluent solution, volume, and rate of administration  IVPB – List concentration and rate of administration	Adverse Effects	Appropriate Nursing Assessment, Teaching, Interventions (Precautions/Contraindications, Etc.)
				Is med in therapeutic range?			
				If not, why?			
<u>POLYVI SOL</u>							
<u>Pedi multi-Vitamin w/ Iron</u>	<u>Multi Vitamin</u>	<u>Vitamin deficiency Prevention</u>	<u>0.5ml PO Q12 hrs</u>	<u>1ml Daily</u> <u>Yes</u>		<u>GI upset</u>	<ol style="list-style-type: none"> <li><u>Give with feeding</u></li> <li><u>Contra indicated w/ renal impairment</u></li> <li><u>Black tarry stools are common w iron</u></li> <li><u>DO NOT EXCEED 1ml per day possible over-dose</u></li> </ol>
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