

## NICU Disease Process Map

D.O.B. <u>3/27/2024</u>	APGAR at birth: <u>8, 9</u>
Gestational Age <u>29-30 wks</u>	Adjusted Gestational Age <u>???</u>
Birthweight <u>3</u> lbs. <u>1</u> oz. / <u>1390</u> grams	
Current weight <u>3</u> lbs. <u>12</u> oz. / <u>1700</u> grams	

Disease Name: RDS

What is happening in the body?

- Under developed *Predi*
- deficiency in Surfactant



What am I going to see during my assessment?

- Inter-costal + Subcostal Retractions
- Inspiratory Crackles
- Dyspnea



What tests and labs will be ordered?

- CBC
- "No labs were seen in Chart"



What trends and findings are expected?

- VS: ↑HR
- ↓O<sub>2</sub> SAT
- ↑RESP



What medications and nursing interventions/treatments will you anticipate?

- O<sub>2</sub> Supplementation - In this case, 4L High Flow NC
- Poss. Artificial surfactant replacement
- Fluids
- monitor O<sub>2</sub> SAT
- monitor VS - HR, RESP, O<sub>2</sub>
- Elevate HOB



How will you know your patient is improving?

- O<sub>2</sub> SAT ↑ - Start to wean off O<sub>2</sub>
- HR - normalizes
- Resp - normalizes
- Pt. Not Struggling to breath.



What are risk factors for the diagnosis?

- Low gest. age
- male pre. dominance
- maternal diabetes
- prenatal depression



What are the long-term complications?

- possibility of developing Asthma
- Poss. lead to Bronchopulmonary Displasia



What patient teaching for management and/or prevention can the nurse do?

- Prevent Pre-mature birth
  - Surfactant Admin (Prenatal)
- How to use O<sub>2</sub> if sent home @ it
  - look for
    - Skin breakdown
    - Flow rate (as prescribed)
    - Fire hazard, No petroleum

