

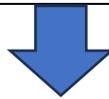
## NICU Disease Process Map

|   |                                     |
|---|-------------------------------------|
| D.O.B. <u>08/03/23</u>  | APGAR at birth: <u>7, 9</u>         |
| Gestational Age <u>391</u>                                      | Adjusted Gestational Age <u>426</u> |
| Birthweight <u>7</u> lbs. <u>10.2</u> oz./ <u>3465</u> grams    |                                     |
| Current weight <u>7</u> lbs. <u>15.8</u> oz./ <u>3622</u> grams |                                     |

Disease Name: Respiratory Distress Syndrome (RDS)

What is happening in the body?

- **Not enough surfactant is in the lungs due to being born pre-maturely. Surfactant coats the alveoli in the lungs to help keep them open and from collapsing. Without surfactant, the body is overcompensating and working harder to breathe and keep the lungs open.**



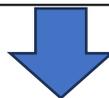
What am I going to see during my assessment?

**During assessment, the nurse may see tachypnea initially, intercostal retractions, inspiratory crackles, grunting during expiration, flaring of the nares, cyanosis, and pallor.**



What tests and labs will be ordered?

- **A chest x-ray and a blood test will be ordered for diagnosis.**



What trends and findings are expected?

What medications and nursing interventions/treatments will you anticipate?

- **I would anticipate artificial surfactant replacement therapy, the baby to have continuous respiratory support and monitoring, oxygen supplementation, and fluid management. I would also anticipate some humidification if the baby was on oxygen to keep the mucosa and skin soft and moisturized to prevent breakdown. In serious**

