

Student Name: BRANDON BARRETT

### NICU Disease Process Map

D.O.B. <u>11/30/15</u>	APGAR at birth <u>8</u>
Gestational Age <u>30w 5days</u>	Adjusted Gestational Age <u>31w</u>
Birthweight <u>3 lbs. 9.1 oz. 1620</u> grams	

Disease Name: PREEMIE / RESPIRATORY DISTRESS SYNDROME

What is happening in the body?  
ORGANS ARE NOT FULLY DEVELOPED IN BODY (LUNGS), CANNOT BREATHE ON OWN

What am I going to see during my assessment?  
DECREASED O<sub>2</sub> SAT (NEED OXYGEN)  
↑ HR  
↑ RR

What tests and labs would I expect to see? What are those results?  
X-RAYS - TO SEE LINE PLACEMENT (FEEDING TUBE, VAC)

What medications and nursing interventions or treatments will you anticipate?

- TPN / GAVAGE FEEDINGS
- CAFFEINE LITRATE
- FAT EMULSIONS

Please write up any medications given or any medications that your patient is on using a separate medication sheet.



How will you know that your patient is improving?

- O<sub>2</sub> SAT STAYS HIGH
- SUPPLEMENTAL O<sub>2</sub> DECREASES



What are the primary risk factors for this diagnosis?

- RESPIRATORY DISTRESS
- RESPIRATORY DEPRESSION



What are the long-term complications?

- ASTHMA
- FAILURE TO THRIVE
- RECURRENT RESPIRATORY INFECTIONS
- NEURODEVELOPMENT IMPAIRMENTS

Student Name: BREANNA BARRERS

Unit: NICU

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

Date: 12/2/25

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

Allergies: NECA

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

Generic Name	Pharmacologic Classification	Therapeutic Reason	Dose, Route & Schedule	Therapeutic Range?	IVP – List diluent solution, volume, and rate of administration	Adverse Effects	Appropriate Nursing Assessment, Teaching, Interventions (Precautions/Contraindications, Etc.)
				Is med in therapeutic range? If not, why?			
CAPRIVE LITRATE	INS STIMULANT	STIMULATES RESPIRATORY DRIVE	0.7mL Q Daily	Yes 8-20mg/L	IVP: 0.7mL over 30sec	TACHYCARDIA VOMITING IRRITABILITY FEVER	1. HELPS RESCUE RESPIRATORY 2. EASE OF VOMITING 3. PT MAY GO HOME w/ MED 4. REPORT TO PHYSICIAN IF FEVER
FAT EMULSIONS	PARAESTERAL LIPID EMULSION	PROVIDES DENSE CALORIES FOR GROWTH	1mL/HR	Yes	IVPB: 0.5kg/DAY 1mL/HR	N/V FEVER RESPIRATORY DISTRESS	1. CHECK TRIGLYCERIDE LEVELS 2. MONITOR 1EO'S/DAILY WEIGHTS 3. MONITOR FOR S/S INFECTION 4. VERIFY COMPATIBILITY w/ MEDS
TPN		NUTRITION	2.4mL/HR			• INFECTIONS • HYPERGLYCEMIA • LIVER DYSFUNCTION	1. MUST BE GIVEN THROUGH CENTRAL LINE 2. CHECK GLUCOSE 3. DRAW BMP 4. HAND HYGIENE TO PREVENT INFECTION
							1. 2. 3. 4.