

Signs & Symptoms

- Periods of apnea > 20 seconds or < 20 seconds with pallor, cyanosis, and bradycardia

Pathophysiology

- Underdeveloped lungs, & neuronal immaturity. baby forgets to breathe and needs stimulation as a reminder → periodic breathing

Diagnostics/Labs

- Diagnostic of exclusion
- R/O all other possibilities w/ apnea such as sepsis, hypoglycemia, and cardiac problems

Apnea of Prematurity

Treatment/Medication

- Caffeine citrate
- Stimulation

Nursing Implications

- Wait to see if baby starts go up after a few seconds, if not stimulate the baby to remind to breathe
- stimulation needed may range from little stimulation needed to 10ts

Patient Teaching

- Baby cannot go home on caffeine citrate, must show no episodes of apnea and bradycardia for one full week before being discharged

D.O.B. 02/10/2023

Gestational Age 31 + 4 Adjusted Gestational Age 34 + 3

Birthweight 3 lbs. 3 oz. / 1660 grams

Current weight 4 lbs. 14.5 oz. / 2225 grams

APGAR at birth: 3 @ 1 minute, 8 @ 5 minutes

• Breathing

Priority Nursing Diagnosis

Student Name: Alexa Pagano

Unit: NICU

Pt. Initials: —

Date: 2/21/23

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

Allergies: —

Generic Name	Pharmacologic Classification	Therapeutic Reason	Dose, Route & Schedule	Therapeutic Ranges?		IVF – 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?			
Caffeine Citrate (CAFcit)	CNS Stimulants	Breathing problems in premature infants	21mg PO Daily @ noon	Yes		—	May develop neurotoxic encephalitis (gordon level 10)	1. Contraindicated for seizures 2. Don't take if have heart, liver, kidney problems 3. Only use short term 4. Give at same time each day
Pediatric multivitamin with iron (polyvit iron)	—	—	5.5mg PO b.i.d	Yes		—	—	1. — 2. — 3. — 4. —
Cholecalciferol (Vitamin D-3)	—	—	10mcg PO Daily	Yes		—	—	1. — 2. — 3. — 4. —
								1. — 2. — 3. — 4. —