

NICU Disease Process Map

D.O.B. 11/23/2025 APGAR at birth: 8/9  
 Gestational Age 30Wk 0d Adjusted Gestational Age 41 Wks  
 Birthweight 4 lbs. 1 oz. / 2350 grams  
 Current weight 7 lbs. 6.2 oz. / 3350 grams

Disease Name: ~~hypocalcemia~~ anemia

What is happening in the body?

↓ RBC production  
 ↑ RBC destruction

What am I going to see during my assessment?

- mottled  
 - pale  
 - irritability  
 - lethargic

What tests and labs will be ordered?

Hgbt  
 Hematology labs

What trends and findings are expected?

↓ Hgbt  
 9.27 Hemoglobin (ref. range 10-20g/dL)  
 27.2 Hematocrit (ref. range 10.0-20.0 g/dL)

BUN 5.0 (21.0-55.1)

What medications and nursing interventions/treatments will you anticipate?

- blood transfusion  
 - PRBC: 40 mL  
 - NPO  
 - IV fluids

How will you know your patient is improving?

- decreased irritability  
 - better feeding  
 - pink  
 - more energy

What are risk factors for the diagnosis?

- limited prenatal care  
 - not breastfed  
 - low birthweight  
 - prematurity

What are the long-term complications?

- ~~Worsening~~  
 - growth development: cognitive, motor development, increase risk for infection, poor feeding

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

- iron supplementation  
 - formula w/ added iron  
 - vomiting/no cow milk until after 1yo