

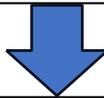
NICU Disease Process Map

D.O.B. <u>1/10/2024</u>	APGAR at birth: <u>5, 7, 8</u>
Gestational Age <u>24w 4d</u>	Adjusted Gestational Age <u>56w 3d</u>
Birthweight <u>1</u> lbs. <u>7.3</u> oz./ <u>660</u> grams	
Current weight <u>14</u> lbs. _____ oz./ <u>6577</u> grams	

Disease Name: Bronchopulmonary Dysplasia

What is happening in the body?

Underdeveloped lungs and irritation caused tissue damage in the alveoli.



What am I going to see during my assessment?

Difficulty breathing, low oxygen levels and possible cyanosis



What tests and labs will be ordered?

Chest X-Ray, Echocardiogram, pulse ox, Arterial blood gas



What trends and findings are expected?

Long term need for oxygen supplementation, pulmonary hypertension, developmental delay



What medications and nursing interventions/treatments will you anticipate?

Mechanical ventilation, oxygen administration, corticosteroids, bronchodilators, diuretics, fluid restriction, daily weight checks,



How will you know your patient is improving?

Patient will gain ability to breathe on their own. Decreased dependency on breathing support and medications.



What are risk factors for the diagnosis?

Prematurity 10 weeks and greater, birth weight of less than 2 pounds, maternal smoking, maternal hypertension, intrauterine growth restriction



What are the long-term complications?

Growth failure, poor neurodevelopment, frequent hospitalizations, susceptible to frequent respiratory illness, mechanical ventilation dependent



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

Keep infant away from lung irritants, immunizations should be up to date individuals in close contact with infant should have an up to date Pertussis vaccine, Immunocompromised precautions, avoid sick people, risks of second hand smoking, proper hand washing technique.

