NICU Disease Process Map

D.O.B. 9/4/23 APGAR at birth: 3/5/7

Gestational Age 244 Adjusted Gestational Age 244

Birthweight 1 lbs. 7 oz./ 500-749 grams

Current weight 8 lbs. 12.6 oz./ 3985 grams

Disease Name: Atrial Septal Defect

What is happening in the body?

An abnormal opening between atria causes blood flow to pull from the left to right atria. This increases the workload of the heart. The heart will began to pump faster to compensate for the excess blood in the right side of the heart. Overtime this could cause right sided enlargement of the heart and pulmonary edema due to all the pressure around the lungs. Crackles in the lungs may be heard upon auscultation due to excess fluid.

What am I going to see during my assessment?

If the defect is small, the patient may appear asymptomatic. If the defect is large, the patient may show signs of CHF. Patient may show signs of fatigue, shortness of breath, tachypnea, tachycardia, hypertension, poor feeding, and crackles in the lungs.

What tests and labs will be ordered?

- CBC
- CMP
- ABG
- X-ray
- Echo
- EKG
- Continuous telemetry

What trends and findings are expected?

- Murmur upon auscultation
- Tachycardia
- Hypertension
- Crackles
- Tachypnea