

NICU Disease Process Map

D.O.B. 7/31/23

APGAR at birth: 6 - 1min, 8 - 5min

Gestational Age: 28wk 5d

Adjusted Gestational Age: 43wk

Birthweight: 2lbs 24oz/ 1016g

Current weight: 6lbs 15oz/ 2789.6g

Disease Name: Trisomy 21

What is happening in the body?

There is an extra copy of chromosome 21 in the body, also known as down syndrome. This causes change in how the baby's body and brain will develop.



What am I going to see during my assessment?

Flattened face, almond shaped eyes that slant up, short neck with extra skin on the back of the neck, tongue that sticks out of the mouth, small hands and feet, poor muscle tone

Specific to this patient: pericardial effusion, persistent left sided SVC, unilateral renal agenesis, oligohydramnios (little amniotic fluid), granular opacities, single umbilical artery, trivial tricuspid insufficiency



What tests and labs will be ordered?

Chorionic villus sampling (CVS) – from placenta

Amniocentesis – from amniotic fluid

Percutaneous umbilical blood sampling (PUBS) – takes blood from the umbilical cord

We can also do chromosomal tests from the baby themselves. All of these look for changes in the chromosomes that indicate down syndrome.



What medications and nursing interventions/treatments will you anticipate?

With this patient – making sure they can start tolerating feedings and gaining weight as she is 99 days in the NICU, as of today she had not gained any weight in 5 days. She is prescribed a

