

NICU Disease Process Map

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D.O.B. 10/17/2024

APGAR at birth: 0-3-6-7

Gestational Age 37 weeks

Adjusted Gestational Age 38-5d

Birthweight 7 lbs. 7.9 oz. / 3400 grams

Current weight 6 lbs. 7.7 oz. / 2940 grams

Disease Name: HIE Hypoxic Ischemic Encephalopathy

What is happening in the body?

lack of oxygen to the brain, causing damage to the brain, hindering development and future health of the child

What am I going to see during my assessment?

difficulty eating
jaundice
neuro developmental setbacks

What tests and labs will be ordered?

hearing screen
CBC
heel screen
EEG
CKG

What trends and findings are expected?

damage to brain and delayed or altered reflexes
jaundice from trauma at birth

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What medications and nursing interventions/treatments will you anticipate?

after reheating from the cooling for 72hr, I anticipate many assessments and interventions surrounding daily living functions like eating and sleeping.

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How will you know your patient is improving?

pt hopefully will be able to eat all of bottle for 2 days in a row without requiring supplementary gavage feeding

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What are risk factors for the diagnosis?

traumatic birth
abuse / maternal substance abuse
malpractice

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What are the long-term complications?

permanent brain damage
failure to thrive
cerebral palsy

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

the nurse can coach the parents through expectations of higher quality care for their child and possibly lifelong doctor visits or a shorter life span