

NICU Disease Process Map

D.O.B. 11/18/2024

APGAR at birth: 7 8 8

Gestational Age 33 wks

Adjusted Gestational Age 46.3 wks

Birthweight 4 lbs. 9.7 oz. / 2093 grams

PT: mg

Current weight 10 lbs. 8.6 oz. / 40780 grams

Disease Name: Necrotizing Enterocolitis

What is happening in the body?

Immaturity of GI tract → ↓ motility → ~~inflammation~~
Imbalance of gut bacteria → inflammation →
damage of intestinal lining & blood vessels →
↑ Chemia → tissue necrosis

What am I going to see during my assessment?

Distended ~~bowel~~ abdomen
Abnormal bowel sounds

What tests and labs will be ordered?

CBC
C-Reactive protein
Blood culture
X-Ray of Abdomen
Abdominal CT

What trends and findings are expected?

↓ platelets
↑ WBC
↑ C-Reactive protein
+ Results for gram
negative organisms
Bubbling in the walls of the intestine
Thickening of bowel wall + fluid

How will you know your patient is improving?

↓ abdominal distention
Normal CBC
X Ray with normal gas pattern
Feeding tolerance - Return to normal diet

What are risk factors for the diagnosis?

prematurity Heavy growth of bacteria in intestinal lining
low birth weight
Formula feeding
Genetics

What are the long-term complications?

intestinal strictures Failure to thrive
Short bowel Syndrome
nutritional deficiencies
developmental delays

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

Complete antibiotics as prescribed
Watch for bloody stools, vomiting, feeding intolerance
Regular followups with pcp



What medications and nursing interventions/treatments will you anticipate?

- Broad Spectrum IV Antibiotics such as ampicillin, gentamicin, metronidazole for 10-14 days
- measure & monitor in femoral belly for swelling
- O₂ as needed
- Discontinue enteral feedings - TPN, ~~EN~~ SMOFT, Electrolytes -
Resume normal diet as tolerated

Student Name: JOBeth

Unit: MCU

Pt. Initials: BS

Date: 2-12-25

Pediatric Medication Worksheet – Current Medications & PRN for Last 24 Hours

Allergies: NICDA

Generic Name	Pharmacologic Classification	Therapeutic Reason	Dose, Route & Schedule	Therapeutic Range?		IVP – List solution to dilute and rate to push. IVPB – concentration and rate of administration	Adverse Effects	Appropriate Nursing Assessment, Teaching, Intervention (precautions/Contraindications, Etc.)
				Is med in therapeutic range?	If not, why?			
PolyVisol	MULTIVITAMIN	VITAMIN DIFFERENTIAL	0.5ml Po BID				Intolerant - Vomiting	<ol style="list-style-type: none"> 1. ABDOMINAL Assessment 2. IVP with a small amount 3. OF INTESTINE - turn 4. SUCCEASFUL PROGRESS - continue at 1/2 4. comply w/ recommended amount
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								<ol style="list-style-type: none"> 1. 2. 3. 4.
								<ol style="list-style-type: none"> 1. 2. 3. 4.