ITGERS School of Nursing

BACKGROUND

- A Congenital Heart Defect (CHD) is a heart condition that present at birth (Kovacevic et al., 2020).
- Nearly 40,000 infants are born with a CHD each year in th US (Kovacevic et al., 2020).
- A CHD diagnosis can cause major disturbances in matern wellbeing (Kolaitis et al., 2017).
- Causes of maternal stress are related to lack of information, ambiguity of infant care, and disturbances maternal infant bonding (Ashby et al., 2016).
- Current literature identifies the benefits of a prenatal orientation on mother's stress levels.

CLINICAL QUESTION

Does the implementation of a prenatal orientation to the cardiac NI improve the stress levels of a mother with a prenatal CHD diagnosis

Conclusion

- A fetal CHD diagnosis can cause maternal stress levels to moderately high
- A nurse-led prenatal orientation to the Cardiac NICU can decrease maternal stress levels when it includes the following information:
 - Immediate postnatal period \bullet
 - Anticipated daily life in the NICU
 - Unit structure and function
- Specific stressors that a prenatal orientation may relieve include:
 - Anger
 - Feelings of upset
 - Feeling overwhelmed and hopeless
- A larger sample size may be more conclusive

Limitations Related to Sample Size

- Delay in translating documents to Spanish
- Study coordinator on vacation
- Termination of pregnancy

The Implementation of a Prenatal Orientation to the Cardiac NICU

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	METHODOLOGY
t is	Design
	Quality improvement project
he	Sample
nal	6 mothers, 18 years and older, with a fetal CHD diagnosis
	Setting
s in	A large women & children's hospital in Manhattan, NY
	Intervention
	Prenatal orientation to the cardiac NICU
	Outcome
	Maternal stress levels measured pre and post interventio
	Perceived Stress Scale (PSS
	Analysis
is?	SPSS for quantitative and descriptive analysis
DI	SCUSSION
	Implications
be	 Clinical Practice Improve maternal wellbeing

- Improve maternal wellbeing
- Foundation of trust between mother and neonatal team
- Opportunity for the development of a liaison nurse role Healthcare Policy
 - Improve rates of low birthweight and preterm birth
 - Reduce societal costs
- Quality/Safety

 \bullet

- Safe and effective
- Patient-centered care
- Efficient delivery by currently trained staff nurses
- Education
 - Collaborative, ongoing assessment
 - Evidence-based practice
- Late transfers
- Too overwhelmed
- Other language barriers
- Secondary clinic location





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