At-Risk Conditions

That Impact Breastfeeding Initiation

There are 9 specific at-risk conditions to consider before and after birth that may impact breastfeeding or human milk production success. By addressing these conditions early, healthcare teams will be in a better position to support women in their breastfeeding journey.



Lactogenesis I (Secretory Differentiation):

This stage occurs during pregnancy and initiates mammary gland synthetic capacity



Lactogenesis II (Secretory Activation):

This stage occurs after delivery and initiates plentiful milk secretion

9 At-Risk Conditions That May Contribute to Milk Production Delays



These 4 at-risk conditions during pregnancy may contribute to postpartum milk production delays:



Primiparity. especially older mothers:

The mean age of first birth mothers rose from 24.9 years in 2000 to 26.3 in 2014



Maternal Obesity:

23.4% of women are obese before becoming pregnant



Diabetes:

The prevalence of gestational diabetes mellitus (GDM) in the United States may be as high as 9.2%



Hypertension:

Hypertension is the most common medical problem encountered during pregnancy, complicating 10% of pregnancies

Additional complications include a history of breast surgery and breast hypoplasia.

These 5 at-risk and postpartum conditions may contribute to milk production delays:



The United States cesarean section rate has been reported to be 31.1%. Nearly half were unscheduled.



Stressful labor and delivery



Low perinatal breastfeeding frequency



Prelacteal feeds; delayed first breastfeed episode



Psychosocial stress/pain



Additional complications include nipple discomfort and elevated cortisol concentrations in the mother and the fetus

4 Steps to Combat At-Risk Conditions in the Hospital



1. Outline a breastfeeding/human milk plan of action for your hospital

How will mothers be attended to, depending on their condition? Which departments will be accountable for providing education, tools, resources, and follow-up?



2. Perform a clinical lactation assessment on maternity patients

Keep this pre-birth assessment on record to prepare future clinical providers and hospital units for a patient's initial breastfeeding experience and beyond.



3. Educate hospital staff

Share the stages of lactogenesis, delayed lactogenesis, and the milk production process.

Find resources and webinars available at http://www.medelabreastfeedingus.com/for-professionals.



4. Prepare hospital units with the proper breastfeeding support tools

Hospital-grade (multi-user) breast pumps with initiation technology and breast pump kits can combat delayed lactogenesis when applied immediately after birth. When the above at-risk conditions are present, it will be likely that these tools will be necessary to enable mothers to begin a successful breastfeeding journey.



delay in appropriate interventions of early breastfeeding problems.



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