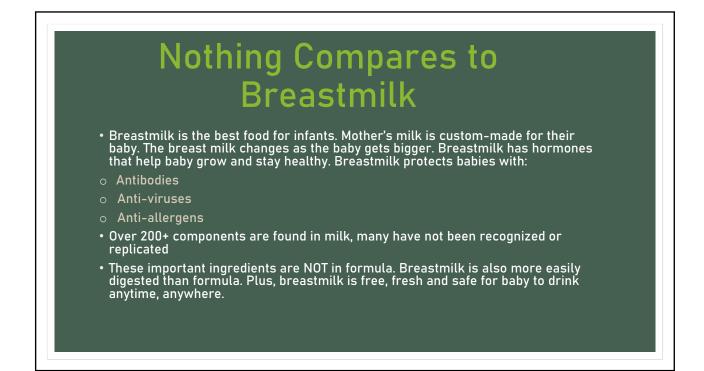
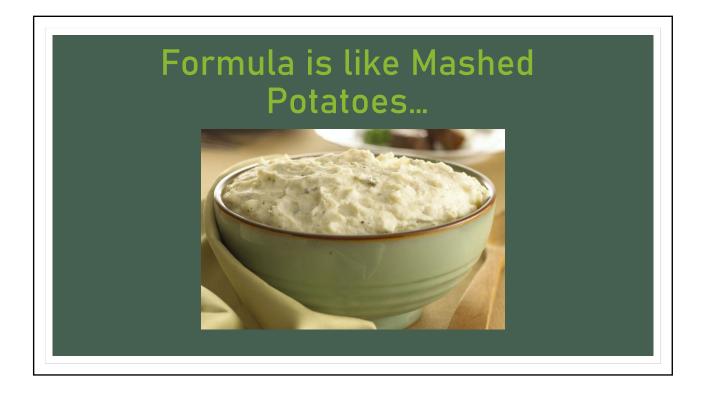


Importance of Breastfeeding

• The American Academy of Pediatrics (AAP) and the World Health Organization (WHO) recommend exclusive breastfeeding for the first 6 months of life. Continue breastfeeding along with complementary foods until 2 years of age or longer.

**Exclusive breastfeeding: <u>No</u> formula, water, baby foods, rice cereal* given to baby during first 6 months*





STAGES FOR MAKING MILK

• Lactogenesis I:

- Placental Hormones: Progesterone
 - Mother should see breast changes and may leak colostrum during pregnancy
 - Progesterone in the receptor sites produces colostrum

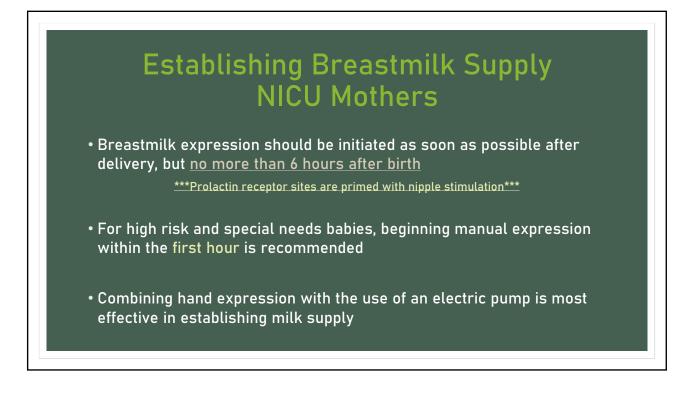
• Lactogensis II:

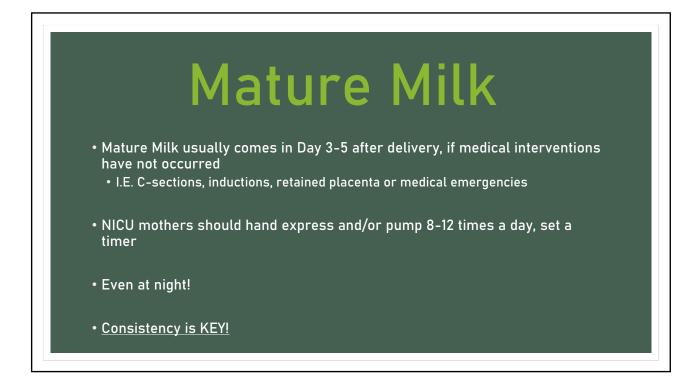
- Complete Delivery of Placenta
- Rapid drop in Progesterone
 - Lactogenesis I and II are hormonally driven

STAGES FOR MAKING MILK

- Lactogenesis III: Maintenance stage
- Prolactin in receptor sites produces *Mature Milk*
 - Prolactin levels increase from frequent nipple stimulation/Frequent removal of milk
 - Levels go up during breastfeeding/pumping and decrease in between feedings
 - Infrequent latching/pumping leads to lower levels of prolactin= lower milk supply



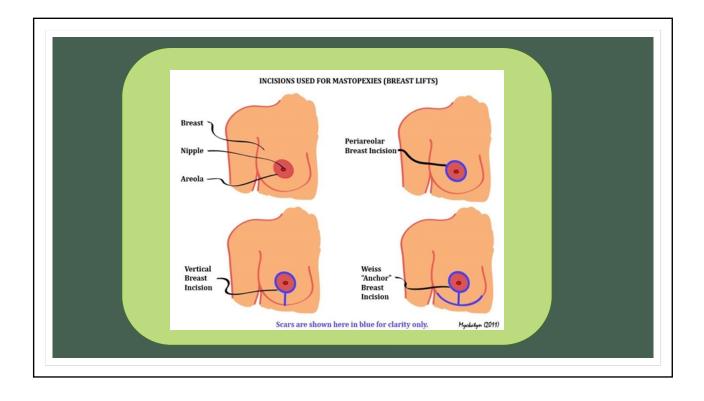




MATERNAL CONDITIONS DECREASED SUPPLY

- Postpartum Hemorrhage:
 - Can occur after delivery and up to 12 weeks PP (commonly 6-8 weeks)
 - Medications given postpartum to decrease bleeding can oversaturate receptor sites
 - Retained placenta
 - Polycystic Ovarian Syndrome (PCOS): excess insulin increases androgen (male) hormones
 - Hypo and Hyperthyroidism

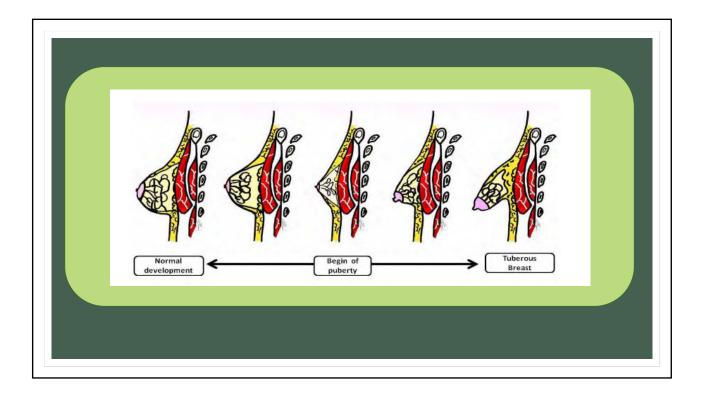






• BREAST HYPOPLASIA OR TUBULAR BREASTS

- Often mothers aren't aware of the condition
- Lacking breast tissue both vertically and horizontally
- Wide spaced
- Enlarged areola; "droopy" appearance
- Less storage capacity so supply can be low





INCREASING MILK SUPPLY FOR PUMPING MOTHERS

Nutrition:

- Eat a normal, healthy diet. Frequent snacks during the day and drink 8 ounces of water while pumping. There is no need to drink excessive amounts of water
- Oatmeal, Brewer's Yeast and Body Armor (coconut water) are great additions to your diet that may help supply.



