

The Scenario- In hospital Baby never happy at breast Was ok first day, then deteriorated Baby becoming breast aversive Colostrum difficult to express Breastfeeding uncomfortable Lots of latch problems Exaggerated weight loss



The Scenario- The early weeks

Baby not as happy as before Infant suck skills deteriorating Diaper count borderline Breasts feel "empty" at feeding time Ambiguous MER- other side rarely drips Mother/baby not sleeping well Early return of menses Mother feels that all is not right















Or is there enough milk but baby can't get enough out?

Or was there enough milk but now there isn't because baby killed off the supply?





Don't put the cart before the horse

You must **find** the problem *before* you can **fix** the problem



DELAYED ONSET: Milk in >72hrs (noticeable fullness) Happens to over 1/3 of mothers in U.S. studies! \rightarrow 40% of those babies lose >10% BW by day 4

The first week

Nommsen-Rivers 2010: "Delayed onset of lactation is epidemic; risk factors are multidimensional"

Risk Factors for Delayed lactogenesis

- Caesarean delivery, esp. unscheduled (Dewey 2003, 2001; Evans 2003)
- ▶ Long labor (Dewey 2003; Chen 1998)
- Prolonged stage 2 labor (Dewey 2003, 2001)
- Notes Stress in labor (Grajeda, 2002)
- Vacuum-assisted deliveries (Hall 2002)
- Severe bleeding (Livingstone, 1996; Willis 1995)



DOL Risk Factors

Age ≥ 30 (Nommsen-Rivers, 2010)

> Incidental finding in bfg during pregnancy study: *milk intake on* day 2 decreased 25g for each 5-year increment of maternal age

Marquis, G. S., Penny, M. E., Diaz, J. M., & Marin, R. M. (2002). Postpartum consequences of an overlap of breastfeeding and pregnancy: reduced breast milk intake an growth during early infancy. *Pediatrics*, 109(4), e56.







▶ Retained placental tissue *DOL Risk*

Factors



hemorrhage Subtle: persistent red

Classical:

Subtle: persistent red bleeding, cramping, passing clots

Placenta accreta, increta, percreta: ↑ risk w/previous c-section, age >35, multiple pregnancy, placenta previa













Numping in lieu: Do not take responses at face-value: Check and re-check answers

How often do you pump? Day AND night? How many times in 24hrs?





Infant & Feeding Assessment

- Infant birth and health history
- Physical assessment
- ❑ Suck assessment ⇒
- How does mother *describe* baby's feeding behavior in relation to available milk supply?
- $\hfill\square$ Observe a feed and/or test-weighing
- Consider that a problem may be multifactorial



I must not have enough milk, because... He wants to eat all the time He falls asleep at the breast He is never content... He doesn't want my breast... "él no quiere" He doesn't like breastfeeding He wants the bottle





















Airway: Laryngomalacia

Inspiratory stridor due to prolapse of walls in larynx during inhalation

May worsen over the first few months, but usually resolves by 2 yrs

- Stress triggers: crying, feeding
- Worse when lying on back (supine)
- > Usually does best with head hyper-extended







Strategy for airway issues Remember that *air wins over food every time* -Cradle hold can make it worsefacilitate latching upright, with

head extension -Paced feeding (breast/bottle)

-Time for physiological maturation

-Compensatory pumping as

needed

-Galactogogues often very helpful













What happens if not all parts of the tongue can move properly and/or freely?

If Baby can't suckle well, transfer is poor and milk production may suffer





















Function: How well does mother's breast fit with baby's suck/tongue issues?

- Breast size Breast density Engorgement Breast pliability Bulbous areola? Nipple length Nipple diameter
- Small gape Tongue curl back Bunched tongue blocking Tongue thrust **Tongue retractions**
- Nipple Inverted or retracting

Our job: Breastfeeding interventions to maximize baby's effectiveness











But the job doesn't stop there... Where the poly doesn't stop there... We have a star of the poly of













Reproductive History

- Fertility
- Hormonal issues
- Breastfeeding experience of her mother, aunts, sisters, cousins

Mat'l health & event history Illnesses Car or other accidents Breast surgery/biopsies Chest surgeries/wounds Nipple piercings (Garbin 2009) Blunt trauma or burn wounds Radiation therapy Abscess/mastitis damage? Spinal cord injuries

□ Gastric by-pass









Placental *problems* can interfere with normal mammary development



Pregnancy & Birth complications

Postpartum hemorrhage

- ✤ Vaso-constricting meds such as methergine
- ▶ Possible damage to pituitary: mild ⇒ Sheehans
- 🕭 Anemia

Breast Assessment

Note:

- Overall symmetry
- Overall shape
- Spacing between breasts
- Significant veining
- Fullness of each quadrant
 Proportion of glandular to fatty/connective tissue
- Nipple-areolar complex: Pregnancy changes? Bulbous? Overall density? Unusual nipple configuration? Pore patency?

























