ICEA Position Paper

Delayed Bathing

Position

*International Childbirth Education Association (ICEA)* encourages evidence-based information for decision making around pregnancy, birth, breastfeeding and new parenting. Recent research has shown that delaying the first bath after birth can have significant impact on the newborn transition and early breastfeeding. Because of this research, we encourage parents and care providers to look at delaying the first bath as an option. This practice is endorsed by regulating bodies and when done right is safe for families and care providers.

Background

With the move to hospitalized birth, it became standard practice to give the first bath fairly soon after birth. Baby would be taken from mom for routine newborn care, bathed and brought back swaddled up and ready to sleep. This practice allowed for the pediatric team to complete their tasks and the OB team to finish up the post-delivery care. This became the “vision of birth.” The impact of these practices on mom and baby were not considered for many years. In 1990, an article was published in the Lancet looking at removal of baby from mom for newborn care and the impact that removal had on breastfeeding. At that same time the push from United Nations International Children’s Emergency Fund (UNICEF) and the World Health Organization (WHO) were forming the Baby Friendly Initiative; looking at birth practices and the effect on breastfeeding began to be studied much more in depth. As practices changed for the better, the bath still remained an early procedure; almost immediately after birth. Whether it was a lack of insight on the affects, or the “gross factor,” the newborn bath was expected to be done right away.

Yet, as early as 1998, The Association of Women’s Obstetric, Health, and Neonatal Nurses (AWOHNN), the National Association of Neonatal Nurses (NANN), and WHO recommended that “removal of all vernix is not necessary for hygienic reasons.” With only preliminary data on the effects of the newborn bath at an early stage, it was dismissed as having little impact, and continued to be the standard practice in most hospitals. Meanwhile, skin to skin care immediately after birth was being studied in depth. The recommendation to place baby skin to skin within 5 minutes of birth and to remain there at least one hour and until the first breastfeed is what began the delay in the newborn bath.

Delay the Bath

In 2012, that thinking changed from the newborn bath as a standard care to really looking at when that bath should be done emerged. The WHO gave time parameters stating, “bathing should be delayed until 24 hours after birth. If this is not
possible due to cultural reasons, bathing should be delayed for at least six hours. Appropriate clothing of the baby for ambient temperature is recommended. This means one to two layers of clothes more than adults, and use of hats/caps. The mother and baby should not be separated and should stay in the same room 24 hours a day"

Around that same time, AWHONN came out with their “Wait for Eight” campaign stating that delaying the bath by at least 8 hours would reduce the instability associated with cold stress.

In 2015, AWHONN pushed this campaign again, encouraging the delay not only for cold stress but also for better stability overall. Their presentation at the annual conference stated that delayed bathing and leaving vernix on the skin would lead to decreases in hypoglycemia, weight loss, jaundice along with better temperature stability and other positive effects due to the antibacterial and antimicrobial properties of vernix.

Vernix Caseosa

When a baby is born, he or she may be completely covered in vernix caseosa or may just have some remaining (particularly in the creases of the neck and between fingers and toes). Gestational age has an impact on the amount of vernix with shorter gestational age typically meaning more visible vernix. This substance comes from the Latin origin where vernix means varnish and caseos means cheesy. A cheesy varnish is a very descriptive way to describe vernix. However, the bigger question is, “what is it and why is it there?”

Vernix is a coating on the skin that consists of fatty secretions from the sebaceous glands and dead epidermal cells. Its purpose is to protect the skin of the developing fetus. Skin begins to form at 3 weeks of gestation. After many divisions and changes, the epidermis begins formation by the 4th month of gestation. The periderm continues to form and by 21 weeks it sheds and combines with sebum secretions to form the vernix. Vernix is 81% water, 9% protein containing lipids and 10% other fat. Thirty-nine percent of the vernix proteins have components of innate immunity and 29% have direct antimicrobial properties.

**Purpose of Vernix**

While the baby is still in the uterus, vernix forms a hydrophobic barrier. It protects against the loss of fluids and electrolytes. Along with amniotic fluid, vernix is frequently swallowed where it coats the gut and aids in its formation.

During labor and birth, vernix acts as a bio-film that minimizes friction through the birth process. Additionally, it acts as an antimicrobial barrier to protect the baby as he or she passes through the birth canal.

After the birth of the baby, the vernix still plays a role in protection. The newborn skin goes through some dramatic changes in the first few days. In particular, there is a decrease in PH and surface hydration. If vernix is left in place the skin stays hydrated and has less cracking and peeling.

There is some evidence that vernix acts a thermos-regulator and although this was the function used to drive practice change for delaying bath (AWHONN 2012) it is not thought to be its primary function.

If that is not enough, there are other purposes for this substance. Vernix has antioxidant properties. Birth is a time of high oxidative stress and the vitamin E and Melanin are thought to offset this stress. Vernix contains antibiotic properties that can protect against meconium, inter and extra-uterine infections and bacterial pathogens. The high water count is moisturizing to the skin; better
than the best moisturizing products in stores. Finally, vernix helps with both wound healing and skin cleansing.

**Vernix and Breastfeeding**

One study, (Preer et al. 2013) looked at the correlation between delayed bathing and increased hospital breastfeeding rates. In this Boston hospital, 702 qualified babies were included in the study. Before the study, the average time after birth until the first bath was 2.4 hrs. With the study the average time of the first bath was 13.5 hrs. They found that with the delay in time to first bath there was an increase from 32.7% exclusive breastfeeding to 40.2% exclusivity rate (p < .05) and concluded that there was a significant likelihood of increased breastfeeding if the bath was delayed.

Numerous studies have found that skin to skin from birth until the first breastfeed is critical for successful breastfeeding. Patting the baby dry but not washing and leaving the amniotic fluid on the hands increases the baby’s ability to make the neural connections for breastfeeding to happen. By keeping mom and baby together, many hormonal and neurobiological changes will occur. All of these help with newborn transition, regulation and brain synapsis. Taking baby for a bath; separating him or her from their mom interferes in the natural post birth process and put the baby in a state of fight or flight increasing catecholamine in the system.

**So When Should the Bath Occur?**

There is no set time that it should happen. Many parents are delaying that first bath past the hospital stay and doing it at home when they feel ready. The minimum time recommended falls between 6-8 hours after birth (WHO, AWHONN, Save the Children). It is suggested that the bath be done with the parents involved so that they can learn the process and limit separation. Additionally, it is important to get baby back in a skin to skin position immediately after to minimize effects from the cold.

**Contraindications**

There are times when the newborn bath is recommended immediately. If the mom is HIV positive or has a hepatitis virus then a bath is done to limit transmission to others who come in contact with the baby. In some facilities, a bath is also done with chorioamnionitis or significant meconium staining. It is recommended that health care providers use gloves when handling an unbathed baby.

**In Summary**

Delaying bathing for at least 8 hours after birth protects the newborn’s skin from bacterial invasion, keeps their skin conditioned, keeps their blood sugar stable since bathing might lower their temperature and often causes the baby to cry, both of which can promote hypoglycemia. Delaying the first bath encourages the establishment of breastfeeding along with the bonding that mothers get which being skin-to-skin with your newborn promotes.

**References**


Delaying the Newborn Bath  JOGNN Vol 48 Issue 2 pgs 189-196

Delay  Diana V. Lipka, RN, BA, MPA, RNC-OB , ”Wait for Eight”: Improvement of Newborn Outcomes by the Implementation of Newborn Bath Mother/Baby and Lactation, Baycare/ Saint Joseph’s Women’s Hospital, Tampa, FL


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