Skin-to-skin Care Related to Thermoregulation

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Skin-to-skin Care Related to Thermoregulation

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EVIDENCE-BASED PRACTICE QUESTION

Question: Is skin-to-skin care more efficient in stabilizing the temperature of a full-term infant, than using a radiant warmer

P: New mothers and full-term infants
I: Skin-to-skin, or Kangaroo Care
C: Using skin-to-skin care compared to the current practice of using a radiant warmer immediately after birth
O: The effect of skin-to-skin care on full-term infants to stabilize temperature more efficiently than an incubator

RESULTS

Skin-to-skin care:
- Focused on breastfeeding
- Encouraged the growth and development of premature infants (Mori, R)
- Effect on full-term infants not widely studied
- Increased temperature and stabilized quicker than incubator care (Ahmed, S)

Focus of paper was to investigate the existing studies that show the physiological effect that skin-to-skin care, in comparison to incubator care, has related to the topic of infants' thermoregulation.

SYNTHESIS OF EVIDENCE

RCT in Ethiopia, Indonesia, and Mexico recording episodes of hypothermia (Cattaneo, A)
- Skin-to-skin group-10.8%
- Incubator group- 14.6%

Meta-synthesis study done in a poverty stricken area comparing temperature between kangaroo care and incubator care (Ahmed, S)
- Babies reached normal body temperature faster than incubator warmed babies

RCT of skin-to-skin care compared to incubator care on full-term, low-risk infants (Fardig, J.)
- Temperature stabilized quicker than other groups
- Temperature was a degree higher than other groups

Skin-to-skin care
- Temperature raised 0.3 degrees Celsius and retained better (Fohe, K)
- Better mental development
- Elevates and maintains temperature

EVIDENCE-BASED PRACTICE RECOMMENDATIONS

After doing the research, we recommend implementing skin-to-skin care for full-term infants for thermoregulation, decreasing bradycardia and apnea. The benefits are much higher for skin-to-skin care than for the current standard of care which is incubators and lamps. The use of skin-to-skin care is also very beneficial for LBW and premature infants.

REFERENCES