**Effectiveness of Colostrum Application on Cord Separation among Newborns**

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**Abstract:**

Several agents have been used for neonatal umbilical cord care; breast milk could be substituted for other topical agents for umbilical cord care in which some women apply expressed breast milk (colostrum) to the cord stump. This could, in fact, be beneficial in view of the antibacterial factors present in breast milk. **The study aimed to** evaluate the effect of colostrum application on cord separation among newborn **Research design:** An experimental study was undertaken to meet the aim of this study. **Setting:** the current study was conducted in Obstetric and Gynecological postpartum unit at Sohag University Hospital and El Fayoum University Hospital on October 2016. **The study sample** comprised of 200 neonates selected through purposive sampling method was divided randomly into 2 equal groups, 100 neonates (colostrum group) and 100 neonates (alcohol group).  **Tools:** There were two tools used in the current study as the following: **Tool- I:** Structured interview Questionnaire for mothers was conducted to collect data related to the mothers and their neonates and follow up checklist for monitoring signs of infection and cord healing and separation. **Results:** the current study revealed the mean age of the mothers in group (A) was 25.9±5.2 and in group B was 21.4±5.4years. Umbilical cord separation was earlier among mother colostrum group than alcohol group. By the way the majority 80% of colostrum group babies had their cord fallen off at the 5th to 6th day of age. A highly significant difference was found (p<0.05) in all signs of omphalitis at the 3rd day visit (first visit) and the second visit (time of cord separation). **Conclusion:** It was concluded that colostrum application is effective technique to reduce cord separation time and signs of infection. **Recommendation:** The nurses and the mothers should be educated about evidence based practice in cord care by colostrum

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**Key words:** Colostrum, Cord care, Separation time and newborn