

## **Assessment Knowledge and Practice of Nurses Midwife Regarding Immediate Health New Borne Care in Khartoum and Khartoum North Teaching Hospital (Labour Room)**

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### **I. Introduction**

**Back ground:** Neonate is a newborn infant . the neonatal period include the time from birth through the twenty eighth day of life (1) Among the life span the childhood period neonatal period is very crucial ,which to large extent determines the overall health status of the child and in turn adult life (2). Birth is the major challenge to the newborn to negotiate successfully from intrauterine to extra uterine life(2) Delivery and the first few hours of life are critical period for the further growth and development of infant (1). Newborn is considered to be tiny and powerless ,completely dependent on other for life within one minute of birth the normal newborn adapts from a dependent fetal existence to an independent one; capable of breathing and caring on life process . thus these first hours are crucial because multiple organ system is making the transition from intrauterine to extra uterine function.(1) These changes are smooth for most infant ,but others the process is problematic (3) Each year ,staggering (7)million children die ,either during the first four weeks of life (3.8million) or as stillbirth (3.2million),ninety eight percent of these death occur in low income countries .(4)The nurse frequently is the first health care provider who has contact with neonate ,the world health organization's definition of midwife includes the skilled supervision ,care and advice to be given to the mother during antenatal ,post partum period and the care to be given to the newborn baby and the young infant .

The immediate care of the newborn is including:Clearing the air way ,,Assessment of the baby condition,Worming (drying and warping) ,Identification and Cutting the cord .(4)

The first assessment takes place immediately after birth usually in the delivery room and is aimed at identifying life threateing condition the demand prompt attention. (3)

Directly after birth ther should be attention to the condition of the newborn that attention is an integral part of care in normal birth.

**General objective:** Assessment knowledge and practice of nurses midwife regarding immediate health new borne care in khartoum and khartoum north teaching hospital(labour room).

#### **Specific objectives:**

- To assess nurse midwives knowledge to immediate newborn care .
- To evaluate the principles and appropriate application of clen ,aseptic techniques and universal precaution .
- To estimate the nurse midwives attitudes regarding immediate newborn care.

### **II. Materials And Methods**

Study type: is a cross sectional (observational) study was done in khartoum and khartoum north teaching hospital labor room ( 2010) .

**Study population:** nurses midwives who work in Khartoum and Khartoum north teaching hospital labour room and completed basic nursing education and had experience of two years in working, then completed midwifery program for one years.

**Variables of the study population:** Age –level of education –years of experience –training course in immediate care of newborn.....

**Sampling:** convenient total coverage for all nurses midwives who work in Khartoum and Khartoum –north teaching hospital.

**Sample size:-** about 40 nurses midwives .(24 from khartoum teaching hospital labour room+16 from khartoum north teaching hospital labour room.)

**Data collection:** Structured interviewing questionnaire and observational checklist. we include the following: process of clearing the air way ,assessment of the baby condition ,worming (drying and warping) ,identification and cutting the cord .

**Data analysis:** The data collected, coded and fed into the computer and analyzed by (SPSS).

### III. Results And Discussion

The study show that 92.5% from the group under the study did training course in immediate care of the newborn .About the steps of immediate newborn care 45% known five steps ,14% only knew three steps and 20% known two steps .About when start immediate care of newborn 5% say before birth,40% during birth and 55% say after birth. Concerning the practice observational checklist show that the application of universal precaution very poor(wear sterile gloves 37.5%,wear sterile gown 25% and mask 60%.)

**Table (1):** distribution of attending training course about immediate care of the newborn.

valid	Frequency	percent
yes	37	92.5
no	3	7.5
total	40	100.0

This table above showed that 92% was attended training course about immediate newborn care 7.5% not attend .

**Table (2)** distreibution the of care done during delivery of head :

valid	Frequency	Percent
Wipe the face and eye	3	7.5
Suction of mouth& nose	6	15
Wipe the face and eye+ Suction of mouth& nose	31	77.5
Total	40	100.0

Table above showed 15% did suction of mouth and nose first and 77.5%wipe the face and eye first then suction of mouth and nose last.

**Table (3):** Time of the identification band should be put?

valid	Frequency	Percent
Immediately after cutting the cord	13	32.5
Immediately before cutting the cord	27	67.5
	40	100.0

Table (3) showed 67% identify the newborn immediately before cutting the cord and 32.5% immediately after cutting the cord.

### IV. Conclusion

The study showed that the level of knowledge of nurses midwives in the labour room of the two mentioned hospital concerning immediate healthy newborn care is very good. oncerning the practice that the ideal newborn care not done by sequent steps of immediate newborn care also two to three steps are omitted .Universal precaution is not applicable in two labour room in that hospital mention above .

### References

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