Poster Presentations – Nursing

1845  DO MOTHERS AND FATHER TO PRETERM EVALUATE THEIR EXPERIENCE OF STRESS AND NURSE’S SUPPORT DIFFERENTLY WHEN HOSPITALIZED IN A NICU?

Conclusion Noise level in NICU ward is higher than the standard level, it is necessary to take measures for the purpose of reducing it.

1847  CLINICIANS DOCUMENTATION OF OXYGENATION AND VENTILATION IN PREMATURE AND SICK NEWBORN IN A NORWEGIAN NEONATAL INTENSIVE CARE UNIT (NICU)

Aim Clinical practice concerning oxygen assessment and administration varies between nurses. Ventilator management, pulse oximetry alarm settings and monitoring also varies greatly. Clinicians would benefit from analysis of what they should do to effectively improve the outcomes and avoid hyperventilation and hyperoxia in newborns. The aim of this study was to investigate how nurses documented oxygenation and ventilation in premature and sick newborns on respirator treatment.

Method This was a retrospective study (2010–2011) of the documented oxygen treatment from one NICU in Norway. Based on research literature and clinical practice, variables for oxygen treatment in preterm and sick newborns on respirator were defined. A power analysis resulted in the inclusion of 138 newborns. The diagnoses were defined in four categories classified by ICD –10 (KITH-Health Affairs); immature lungs, lung problems, circulation problems and infection. We estimated the proportion of newborns where oxygen saturation was documented outside the recommended limit of 88–95%.

Results At this time we have the results from 110 cases, constituting documentation from 3904 hours of respirator time. We compared the oxygen saturation, PaCO2 and PaO2 values in relation to disease conditions and oxygen administration in the premature and sick newborns. We will report statistics on these variables.

Conclusions These results will be incorporated in an action research study. Clinicians in the NICU will reflect and evaluate on the results in order to develop best practice in oxygenation and ventilation.

1846  ASSESSMENT OF SOUND LEVELS IN A NEONATAL INTENSIVE CARE UNIT IN ALZAHRA TEACHING HOSPITAL IN TABRIZ, IRAN

Background Noise level in NICU ward is higher than the standard level and also to specify the noise producing sources.

Methods 24 accidental, continuous hours were selected in four working days and the Leq, L10, Lmax and Lpeak variables were measured in six fixed spots of NICU ward using a sound level meter based on dBA.

Results The mean of noise levels gained in the for 1846

1848  GENTLE HUMAN TOUCH AND YAKSON: THE EFFECT ON PRETERM’S BEHAVIORAL REACTIONS

Objective Touch is one of the first strong positive senses that develop in neonate. Therapeutic touch could be considered as a complementary treatment in Neonate intensive care units (NICU).

Design This quasi experimental study was conducted to compare the effect of Yakson and GHT on behavioral reaction of preterm infants hospitalized in NICU in South-East of Iran.

Patients 90 preterm infants participated in this study. They randomly divided into 3 groups: 1) Yakson group, n=30, 2) GHT group, n=30, 3) control group, n=30.

Methods Each infant received the GHT and Yakson interventions twice a day for 5 days. Each session lasted 15 minutes. The control group received routine nursing care.

Results In interventional group, an increase was found in sleep state score after the Yakson and GHT intervention. Their awake and fussy states’ scores decreased after both interventions. No significant difference was found between Yakson and GHT group in their behavioral state scores.

Conclusions The findings suggest that Yakson and GHT had soothing and calming effect on preterm infants and could be beneficial in nursing interventions.
Introduction Some studies have indicated that home-based newborn visit interventions can prevent of newborn deaths. The aim of this study was to determine the effectiveness of home visit on mortality and morbidity of Preterm newborn.

Method This is a semi-experimental study in which Preterm newborns with fetal age of less than 37 weeks weighing below 2500 grams were placed in two groups of case (30 neonates) and control (30 neonates) randomly. Home visit was present to case group for a period of 6 months after discharging from hospital. Control group received hospital routine cares and referred for visiting. Both groups were followed up for a period of 6 months. The samples of both groups were compared with each other from the view point of mortality and hospitalization. Collected data were analyzed using $X^2$ and independent T test.

Results The mortality during first six months of life of both groups did not show any difference ($P > 0.05$). However, the number of inpatient cases of neonates and also the number of their disease cases not required to be hospitalized during first six months of life among case group was less than that of control group ($P < 0.05$).

Conclusion The results of this study indicated that, carrying out home visit by health care givers results in reducing the number of inpatient cases of neonates during first six months of life. Therefore, it is suggested to appoint home visit as a part of health programs so as to reduce neonates’ hospitalization cases and thereby to improve their health.

Background and Aims In our PICU, nurses have for several years been writing a personal diary for all children admitted for 3 days or more. The purpose of the diary is to help the children understand their recollections and experiences from the PICU stay and thereby support their coping.

Research involving adult ICU patients has explored patients experiences with diaries and the effect on psychological outcome, but no PICU studies have been reported on the subject.

Thus the aim of our study was to investigate how diaries are being used and to explore their role in coming to term with the experiences with diaries and the effect on psychological outcome, support their coping.

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