

JOINT EVENT

29th International Conference on **Pediatric Nursing & Healthcare**
&
31st World Congress on **Advanced Nursing Practice**
August 16-17, 2018 | Madrid, Spain

Effect of kangaroo care on physiological measurements and weight in low birth weight infants

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Low birth weight infants are highly vulnerable as they have to make several adjustments to achieve equilibrium in metabolic processes, circulation and breathing. Therefore, the aim of this study was to examine the effect of kangaroo care on physiological measurements and weight in low birth weight infants. The study was conducted at the neonatal intensive care units in Menoufia University Hospital (Shebin El-Kom) and Mans heat Sultan village (Menoufia.) The study sample was composed of sixty low birth weight infants. A simple random sample was done to assign them into study and control groups (n=30). A quasi experimental design was used. The results of this study showed that low birth weight infants who attended kangaroo care sessions had better weight gain (2.06 ± 0.21 vs. 1.90 ± 0.26), fewer duration of hospitalization (11.33 ± 1.81 vs. 15.57 ± 2.81) and better physiological adjustments than low birth weight infants in the control group. Therefore, it was concluded that low birth weight infants who attended kangaroo care sessions had better physiological measurements, weight gain and shorter duration of hospitalization than low birth weight infants in the control group. It was recommended that kangaroo care sessions should be conducted at neonatal intensive care units.

Biography

Taghreed K Omar is an Assistant Professor at Pediatric Nursing, Faculty of Nursing – Menoufia University. She completed her Bachelor's degree in Nursing Science from Faculty of Nursing, Cairo University and Master's and Doctoral degree in Pediatric Nursing, Faculty of Nursing, Cairo University. Currently, she teaches and trains nurses from different country in pediatrics and critical care nursing in New Pediatric University Hospital/Cairo. She is an Emeritus Prof. from August 2016 up till now. She has attended many training and workshops like Advanced Training and Research Program at Tenchi College, Advanced Training in Family Planning in Denver USA, 1992. She has advanced training in pediatric and critical nursing care in Japan, 1982 for seven month. She has attended international conferences in China, India, Dubai and Jordan.

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