

International Network in Kangaroo Mother Care Position

Title: Development of social communicative behavior in Brazilian preterm born children positioned in kangaroo mother care position.

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INTRODUCTION: Cooings and babblings are interactive and communicative characteristics produced by infants within the adequate development before the first words. **OBJECTIVE:** to investigate the association of the kangaroo mother care position (KP) and the increase of the child vocalization (CV), during the hospitalization, to the hospital discharge and six months of corrected gestational age (CGA) of infants born at ≤ 32 weeks gestational age (GA). **METHODOLOGY:** Prospective observational study with 72 mother-child dyads of two Brazilian public maternity hospitals between July 2016 and May 2018. It was performed the analysis of videos, considering the score difference at six months of CGA and at the discharge, the subcategory of child vocalization (CV) of the Protocol of Observation of the Mother-Baby Interaction. Analysis in SPSS version 20.0. Significance level of 5%. Approved by the Ethics Committee. **RESULTS:** The GA and weight average at birth were 29.93 (SD ± 1.86) weeks and 1,354.55 (DP ± 397.83) grams. The median of the CV at the discharge and at six months of CGA were 2.00 and 4.00, respectively ($p < 0.001$). The intervening factors analyzed in the univariate analysis were: Begin KP up to the 3rd day of life ($p = 0.025$), duration of KP ($p = 0.068$), hospitalization ($p = 0.162$), infant smiles ($p = 0.025$). In the multivariate analysis, performing the KP up to the 3rd day of life increased by 1.95 points ($p = 0.016$; IC = 0.369 – 3.514), each infant smile increased by 0.12 points ($p = 0.005$; IC = 0.040 – 0.214) and each day of hospitalization decreased by 0.018 points ($p = 0.039$; IC = -0,034 – -0,001) - in the subcategory of VI. **CONCLUSION:** The PTNB needs to be placed on KP at an early stage, so that among the many benefits, the social communicative behavior is promoted.