Background With advance in perinatal care, knowledge, experience and technology, the outcome of the extreme preterm infants (<30 weeks gestation, and <1000 g has been upturning; King Faisal Sp. Hospital, we are lacking data for parents counseling, and bench mark for the unit.

Method Retrospective study to evaluate the short outcome experience results for extreme preterm infants whom inborn or transferred to our unit, within 2 weeks after birth, over 12 years. Infants with multiple congenital anomalies, or transferred with complications excluded.

SPSS version 20 to analyze the data collected in case report form (CRF). Several variables studied, the mortality rate and hospital stay were calculated.

Results 324 files studied 92 (28%) met inclusion criteria, 232 excluded 71%, 92 infants, (50% each males and females); All developed RDS (100) Mortality (10/92) 11%; ROP(24/92) 16%; NEC(6/92)7%; SEPSIS(46/92) 43%; G-ve was 32%, G+ ve 23%; PNEUMONIA(9/92); PVL(3/92) 3%; BPD(16/92) 17%; IHV (17/92) 18%; MENINGITIES(2/92) 2%; PDA(85/92) 92%, 64% self closed, 9% Indomethacin, 6% ibuprofen, 21% required surgery; length of stay (LOS) mean of 64 days.

Conclusion and recommendation Results comparable to results reported by National Institute of Child Health and Human Development (NICHDHD). Extreme preterm infants should be delivered or transferred within one week to a tertiary care facilities for best outcome.

PO-0637 DIABETES IN PREGNANCY AND THE RISK OF SEVERE PERINATAL COMPLICATIONS: DATA FROM THE FRENCH POPULATION IN 2011


We evaluated the risks of severe perinatal complications according to the type of maternal diabetes from the French birth cohort in 2011.

Method Data were obtained from the PMSI (medical Information system program) and the SNIIRAM (inter-regiments national system of information) of the French health insurance. All the childbirths and the terminations of pregnancy (TOP) after 22 weeks of gestation were evaluated. Morbidity and mortality data were recorded and CRIB-II, SNAP-II and SNAPPE-II were analysed. Discriminative value was evaluated by calculating the ROC curve.

Results The overall mortality was 17.3%. The average score CRIB-II, SNAP-II and SNAPPE-II was higher for preterm died versus those who survived (13.7 ± 4.1 vs. 5.8 ± 3.2, p < 0.001; 33.8 ± 16 vs. 12 ± 10, p < 0.001 y 52.7 ± 15.9 vs. 15.9 ± 13, p < 0.001, respectively). CRIB II score showed an area under the curve of 0.925 (95% CI 0.859 to 0.991), p < 0.001. A cutoff of 8.5 had a sensitivity 92.9% and a specificity 80.6% for predicting mortality. The SNAP-II score provided an area under the curve of 0.863 (95% CI 0.758 to 0.968) p < 0.001 and a cutoff of 20.5 presented a sensitivity 78.6% and a specificity 83.6%. The SNAPPE II score showed an area under the curve of 0.925 (95% CI 0.859 to 0.991), p < 0.001. A cutoff of 25.5 presented a sensitivity 85.7% and a specificity 82.1%. The correlation was higher for CRIB-II and SNAPPE-II, r = 0.766, p = 0.001.

Conclusions The use of SNAP-II, SNAPPE-II and CRIB-II scores has a high ability to predict neonatal hospital mortality.

PO-0639 IMPACT OF NEONATAL MORBIDITIES ON CLINICAL OUTCOME AND PREDICTORS OF MORTALITY IN PRETERM INFANTS WITH LOW BIRTH WEIGH


Background Advances in perinatal care have made it possible to improve survival of infants with low birth weight. The aims of