A NEW TOOL FOR BILATERAL DIAPHRAGMATIC PARALYSIS DIAGNOSIS

Introduction Surfactant is mix of lypo-proteins and it synthesizes in the lungs of the fetus. It lines the walls of the alveoli preventing their collapse and prevents alveolitis. The most important indication for use of surfactant is Respiratory Distress Syndrome (RDS) of the preterm infants.

Goal The goal of our paper is to represent our experience in application of surfactant immediately after birth in the prophylaxis of RDS in premature babies.

Method Retrospective analysis of neonatal morbidity of 92 infants during period 2010–2011, to whom prophylactic surfactant administered in our Neonatal Department. We assessed the vital at birth, body weight of newborns, gestational age and gender.

Results Analysis of gestational maturity was noted that the 43% of infants had a gestational age of less than 25 weeks of gestation, 45.65% from 25.1 to 28 w., 21.19% from 28.1 to 30 and 22.82% ≥30.1w. The average gestational age was 28.3±1.8 weeks. The average Apgar score in the fifth minute was 5.2±1.30. The average body weight was 1086.55 g±523.47, 45.92% were male and 51.06% was female. After surfactant therapy, they were transported to the tertiary level institutions in good general condition.

Conclusion Surfactant needs to be applied as early as possible and not allow the infant exhausted. Presence team of neonatologists and pediatric nurses will increase the percentage of infants who have the ability to lower the gestational maturity to be able to live.

SYSTEMATIC ECHOCARDIOGRAPHY IN CHILDREN WITH ACUTE RESPIRATORY FAILURE (ARF) IN PICU OF THE UNIVERSITY HOSPITAL CENTER OF ORAN (ALGERIA)

Introduction Surfactant implementation in treatment of respiratory distress syndrome - our experiences

Methods We performed a retrospective study regarding the period September 2009–January 2012 that included all patients admitted with the diagnosis of acute respiratory failure in “Grigore Alexandrescu” Children Emergency Hospital in Bucharest, Romania.

Results We had 836 patients admitted for acute respiratory failure being 3.14% of all hospitalised patients and 5.4% of all patients suffering of respiratory diseases; the mean age of our study group was 2years±9months. Sex distribution indicates 537 boys and 299 girls, p=0.00. The maximum incidence was in 2010 (mean 33cases/ month), in October (15.2%), during period 2010–2011, to whom prophylactic surfactant administered in our Neonatal Department. We assessed the vital at birth, body weight of newborns, gestational age and gender.