Conclusion The improvement of these indicators is attributed to the improvement the conditions of woman; following, screening and the taken in charge of the high risk pregnancies. As well as the improvement of the taken in charge of the newborns in work-room.

NEWBORN LOW BIRTH WEIGHT: MOROCCAN DATA

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A Barkat, A Banouar. Equipe de Recherche en Santé et Nutrition du Coupé Mère Enfant, Faculté de Médecine et de Pharmacie de Rabat, Université Souissi; 2Faculté de Médecine et de Pharmacie de Rabat; Université Souissi, Rabat, Morocco

Objective The overall objective of this work is to describe the prevalence of newborns with low birth weight in Rabat Souissi Maternity Hospital in 2010. The specific objective is to compare the population of preterm and small for gestational age, assess their immediate future and identify the causes.

Methods The study took place at Rabat Souissi Maternity Hospital between January 1st 2010 and December 2010. Were enrolled, all newborns weighing < 2500 g. The main variables collected were gestational age, sex, route of extraction, Apgar at 5 min, the maternal age, parity, maternal disease history and immediate future of the newborn.

Results Of 14,808 live births registered during 2010, 1475 newborns had a birth weight less than 2500g or 9.96% of which 722 were small for gestational age, 728 were prematurity infants. Vaginal delivery was predominant in both populations. The average age of mothers was (28.2±6.63 vs 28.6±6.60) years (p = 0.89). The main etiologies encountered were the maternal genitourinary infections for prematurity (25.6%) while the main cause of low birth weight were gestational hypertension (11.7). As for becoming immediate mortality was about 11% in premature infants against 2% in small for gestational age. (p<0.001). Hospital transfers were in the range of 46.2%. The main indications were respiratory distress, infection, and perinatal asphyxia.

FULL TERM NEONATAL ADMISSIONS IN A REFERRAL HOSPITAL

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BR Qandali, Pediatrics, Ministry of Health, Amman, Jordan

Background and Aim Full term neonates represent a significant proportion of neonatal admissions. The aim of this study was to see the characteristics of this group in the largest neonatal unit in the capital and how these could be reduced to decrease the burden on the neonatal unit.

Patients and Methods All full term neonatal admissions to the neonatal unit in Al-Bashir h, 1/1/2011–30/6/2011 were included, A special questionnaire was filled which included the various characters of the unit in Al-Bashir h, 1/1/2011–30/6/2011 were included, A special

Results During this period a total of 855 FTNN were admitted representing 47.6% of total admissions, 80% were admitted on day one, 60% were normal vaginal delivery. 90% were in born, respiratory distress was the main cause of admission, 32%, IUGR14.7%, NN11.6%,IODM8%, ASPHYXIA 7%,50% were hospitalised for 1–3 days, mortality rate was 5%,62% of which were due to asphyxia, 30% were due to congenital malformations.

Conclusion FTNN represent a significant proportion of admissions. The main reason for admission is respiratory distress, and the main reason for mortality is asphyxia, 50% are hospitalised for 3 or less days. A good nursery with intermediate care would decrease the load on the neonatal unit.

PREDUCTUAL TRANSCUTANEOUS OXYGEN SATURATION AT BIRTH AFTER ELECTIVE CAESAREAN SECTION

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V Dal Cengio, ’M Parotto, ’P Zanella, ’C Zacchettin, ’N Rizzo, ’F Cavalli, ’D Trevisanuto, ’V Zanardo. ’Children and Women’s Health Department; ’Department of Anesthesia and Pharmacological Sciences, Padua University School of Medicine; ’Independent Statistician, Padova; ’Neonatology Service, Abano Terme General Hospital, Abano Terme, Italy

Background The 2010 Neonatal Resuscitation Guidelines recommend preductal transcutaneous oxygen saturation (SpO₂) monitoring at birth in preterm and/or non reactive and/or hypotonic newborns. Previous studies have assessed SpO₂ showing that SpO₂ immediately after birth is higher in newborns by Vaginal Delivery (VD) vs. Caesarean Section (CS). This difference has never been investigated in newborns by Emergency CS (presence of labour) vs. Elective CS (absence of labour).

Objective To compare SpO₂ in newborns by Emergency CS vs. Elective CS in the first minutes of life.

Methods The study included healthy newborns at term by Emergency CS, by Elective CS and by VD as control group. Infants receiving supplemental O₂ or assisted ventilation were excluded. SpO₂ was recorded for the first 10 minutes of life using a Masimo Radical-7 pulse oximeter probe (Masimo, Irvine, CA) applied to the right hand.

Results We studied 24 newborns by Emergency CS, 57 by Elective CS and 47 by VD. The SpO₂ gradually improved during the first 10 minutes of life in all groups (p per trend < 0.0001). The SpO₂ were similar in the tenth minute of life in all the 3 groups, but it was always higher in newborns by Emergency CS as well as by VD than in those by Elective CS from minute one to minute nine (p<0.05).

Conclusions SpO₂ in newborns by Emergency CS in the first minutes of life is higher than in those born by Elective CS as well as in newborns by VD vs. Elective CS.