

3rd International Conference and Exhibition on Pharmacovigilance & Clinical Trials

October 27-29, 2014 Hyderabad International Convention Centre, India

Determinants of survival in neonates admitted to SNCU of a tertiary care hospital

Pavani B¹, Mounika P¹, Anusha A¹, Nagaraju M¹ and K Surender Reddy²

¹Vaagdevi College of Pharmacy, India

²MGM Hospital, India

Background: The neonatal intensive care unit provides high level of intensive care to admitted neonates. Auditing of morbidity and mortality patterns can provide the needful information for health planning and also provides basic information. We investigated prospectively the determinants of survival in neonates admitted into Special Newborn Care Unit (SNCU) of MGM Hospital, a tertiary care Teaching Hospital.

Results: Of the 516 neonates admitted during April and May 2014, overall survival was 82.17%. Survival of infants below 1500grams birth weight was 20% compared to 83% for those between 1500 and 2000 grams at birth. The mean birth weight was 2361±651.4 (CI: 2304-2417). Survivors mean birth weight (2441grams; 95% CI:2384-2498)) was significantly greater ($P<0.0001$) than that for babies who died (1992 grams; 95% CI:1837-2147). The main determinant of neonatal survival was birth weight with odds ratio of 0.80 (95% CI: 0.73- 0.87, $P<0.0001$) for babies with weight less than 2500 grams compared to those weighing above 2500 grams. Other determinants for survival are doctors attending the delivery (OR: 2.98; CI: 0.95-9.35; $P=0.49$) and breast feeding after one hour (OR:3.143; CI: 1.1-8.9; $P=0.02$).

Conclusion: Though the survival rates are favorable, but can be improved especially in infants of birth weight <1500 grams. Resources to be allocated to prevent low birth weight babies outside hospital and early neonatal resuscitation.

Biography

Pavani B is persuing PharmD 5th year in Vaagdevi College of Pharmacy affiliated to Kakatiya University, Warangal, Telangana State, India. She has participated and volunteered in One Day National conference on Pharmacovigilance organized by Vaagdevi college of Pharmacy in the Year 2014. Her areas of interests include clinical trials, pharmacovigilance, Adverse Drug Reactions monitoring.

bogapavani@gmail.com