

Title: Incidence of neonatal sepsis following prolonged rupture of membranes among patients admitted at the NICU of Jose R. Reyes memorial medical center

Niko Miguel Z. Pasatiempo* and Grace Devota Go

Jose R. Reyes Memorial Medical Center, Philippines

Received Date: : 30-12-2022 Accepted Date: 01-01-2023 Published Date: 22-05-2023

Introduction: Neonatal mortality is a global burden and a significant number of neonatal deaths are attributed to early onset sepsis. Prolonged rupture of membranes is an important risk factor for the development of Early Onset Neonatal Sepsis (EONS).

Method: This is a prospective cohort study which aimed to identify the incidence of early onset neonatal sepsis following prolonged rupture of membranes among patients admitted at the NICU of Jose R. Reyes Memorial Medical Center. Patients included in the study were admitted at the NICU and followed up whether they will develop neonatal sepsis or not.

Results: Out of 105 neonates with maternal history of prolonged rupture of membranes of >18 hours, incidence of neonatal sepsis was reported at 39% with a total of 41 neonates; 3 of them or 7.31% had culture proven sepsis. 64 neonates did not develop clinical signs consistent with sepsis. Majority of neonates in this study were born to term (>37 weeks) pregnancy at 89%, male sex outnumbered females with ratio 2:1, the birth weight of neonates is more than 2500 g at 59%, majority were appropriate for gestational age at 83%.

Conclusion: Prolonged rupture of membranes was found out to be significantly associated among mothers with history of maternal fever. Also, low birth weight (<2500 g) neonates was found out to be significantly associated with development of sepsis among newborns with prolonged rupture of membranes. Elevated WBC and elevated neutrophil counts were found out to be significant characteristics of neonates with sepsis in this study.

Biography

Niko Miguel Pasatiempo underwent Pediatrics residency training in a government hospital in The Philippines wherein majority of pediatric patients are indigenous. He is passionate in taking care of well and sick children in hospital setting and mostly in community setting. Currently, he is deployed in a remote rural area of his country, providing medical service to the under-served and disadvantaged children, with regard to their health and welfare services.