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A Study on Complications Associated with Preterm Babies, Causes and Management

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ABSTRACT:

Introduction: The term "preterm birth" (PB) refers to births that occur before 37 weeks or 259 days of gestation. PB is divided into three subgroups: extremely preterm (less than 28 weeks), very preterm (between 28 and 32 weeks), and moderate to late preterm (between 32 and 37 weeks). Low birth weight is characterized as a weight less than 2500 grams at delivery (5.5 pounds). The aim of the study is to investigate the complications associated with preterm babies, causes and management

Objective: To identify the complications occurring in preterm babies, to assess the management for complications and antibiotics used in preterm babies, and to assess the risk factors causing preterm delivery.

Methods: A retrospective and prospective observational study, was conducted on 400 preterm neonates. Data was collected from August 2022 to January 2023 and then statistically analyzed.

Result: Out of 400 patients Respiratory distress 32.50%, jaundice 38.5%, sepsis 17.25%, hypoglycemia 18%, hyperglycemia 8%, LBW 12.75% these were the complications noticed. management for complications in preterm neonates are given based on severity of complications such as combinational therapy HHHFNC 33%, CPAP 30%, Fio2 38%, SSPT 51% piperacillin + tazobactam, gentamicin was majorly given.

Conclusion: In the prospective and retrospective observational study the complications were identified in the preterm neonates, risk factors were identified, management and antibiotics used in preterm complications were assessed.

Keywords: Preterm birth, complications, risk factors, management, causes, gestational age.

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