## Respiratory Distress in Newborn

Respiratory distress is one of the most common newborns in rural areas receive postnatal care (PNC) reasons of an infant been admitted to the neonatal intensive care unit1,2. 15% of term infants and 29% of late preterm infants admitted to the neonatal intensive care unit develop significant respiratory morbidity; this is even higher for infants born before 34 weeks' gestation3. Signs and symptoms of respiratory distress include cyanosis, grunting, nasal flaring, retractions, tachypnea, decreased breath sound with or without rales and/or ronchi, and pallor1. A wide variety of pathologic lesions may be responsible for respiratory distress in newborn1. Among those, Transient tachypnea of the newborn (TTN), respiratory distress syndrome (RDS), meconium aspiration syndrome (MAS), congenital pneumonia, congenital heart disease (CHD), perinatal asphyxia (PNA), and congenital anomalies as tracheooesophageal fistula, and congenital diaphragmatic hernia4. In Bangladesh, the second most common cause of neonatal death is birth asphyxia5. So we Dhaka. need to focus on rapid recognition

improve the outcome. There has been a tremendous advance in the management of respiratory distress J, Schor NF, editors. Nelson Textbook of Pediatrics. such as ventilator therapy with different modes such 20th edition. Elsevier: 2016. as Continuous positive Airway pressure (CPAP), conventional mechanical ventilation; ultra high distress of the term newborn infant. Paediatr Respir frequency jet ventilation, liquid ventilation, surfactant Rev. 2013;14(1):29-36 replacement therapy, sophisticated monitoring and extracorporeal membrane oxygenation all have improved the outcome among the babies with respiratory distress6. The study done by BK Raha et al showed the overall prevalence of respiratory distress was 19.2% and majority of cases were due to TTN, RDS, septicemia and birth asphyxia. Mortality was minimum (1.8%) which makes us hopeful. At the same time we should keep in mind that results of their study were comparable with results from developed countries because the facilities available in their NICU were equal to those available in developed countries. In Bangladesh, only 18% of women make 4 antenatal

care (ANC) visits compared to 43% in urban areas7. Coverage of skilled attendance at birth is 36% in rural areas, compared to 61% in urban areas. 47% of

within 2 days after birth, compared to 69% in urban areas7. So a major portion of newborns are not able to get those facilities and we have to focus on the preventable causes e.g. birth asphyxia, prematurity, low birth weight, sepsis etc to decrease morbidity and mortality. And we agree with Dr. Bk Raha et al that better obstetrical care and awareness of the risk actors of birth asphyxia among mothers and fetus, along with adequate antenatal and perinatal care for early detection of risk factors and timely intervention may improve the outcome of neonatal respiratory distress, in Bangladesh.

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