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Study of impact of maternal Body Mass Index (BMI) on neonatal outcome at BPKIHS

Introduction: Poor maternal, newborn and child health remains a significant problem in developing countries. According to WHO, approximately 15.5 percent of births worldwide are low birth weight and 96% of these are from developing countries. LBW together with preterm delivery has also been recognized as a strong biological predictor of unfavorable developmental outcomes. The impact of maternal pregnancy weight and weight gain during pregnancy on pregnancy outcomes has been reported. Maternal under nutrition contributes to 8 lacs of neonatal deaths annually through SGA births.

Neonatal Mortality Rate (NMR) of Nepal is 23/1000 live births. LBW is an important cause of neonatal mortality. Maternal BMI also plays a significant role in neonatal outcome. Hence, we planned to undertake this study which will help in the long run in the intervention leading to reduction of neonatal mortality of this region.

Objectives:

- Study of Impact of maternal BMI on neonatal outcome at BPKIHS
- Study of Impact of maternal BMI on Neonatal Anthropometry
- To find out the association of maternal BMI with mode of delivery and neonate needs for NICU care.

Speaker Biography

Shanti Bhusan Mohanty is a Senior Resident at All India Institute Of Medical Sciences, Rishikesh. He studied MBBS at Kathmandu University, Kathmandu Medical College. He did his post Graduation at B.P Koirala Institute of Medical Sciences, Dharan. He has been the recipient of National Neonatal Forum, India.

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