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HEV induced encephalopathy during pregnancy- Life threatening condition

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Hepatitis E virus infection has been a major concern in the pregnant women due to its fulminant nature in pregnancy. It increases mortality and morbidity in pregnant females as compared to the non-pregnant females and males. The study was performed to evaluate the maternal and fetal outcome in pregnancy with hepatic encephalopathy due to HEV infection. All pregnant HEV Positive patients with signs and symptoms of encephalopathy admitted in the ICU of BRB Hospital Ltd during the period of January 2018 and August 2018 were included in this study. Maternal outcome in terms of acute Hepatic failure, coagulation failure, hepatic encephalopathy and maternal mortality was studied. Fetal outcome in terms of preterm labor, intrauterine fetal death, live birth was studied. In this study we found that pregnant women with HEV infection having hepatic encephalopathy had a maternal mortality rate was 16 %. Maternal death is mostly due to the coagulation failure. The most common obstetric complication was IUFD (25%) and preterm labor (16%). Continuation of pregnancy rate was 58%. There was no PPH as patients were treated by Fresh Frozen Plasma

and keeping Prothrombin Time below 17 prior induction Prophylactic intrauterine condom catheter was given in every patient after delivery. Conclusions: Mortality is high among HEV with encephalopathy. But we can reduce mortality and morbidity by using FFP and reducing serum ammonia aggressively.

Speaker Biography

Kamrun Nessa graduated with a MBBS degree from Jahurul Islam Medical College under Dhaka University, Bangladesh in May 1999. She then went on to obtain MCPS from BCPS, Bangladesh in January 2006 and FCPS from BCPS, Bangladesh in January 2007. She worked as an Assistant Professor at Emam Medical College & Hospital, India from May 2008 to October 2011 and promoted as Associate Professor at the same college from November 2011 to January 2018. She further obtained her fellowship on minimal access surgery from World Laparoscopy Hospital, India, 2018 and fellowship on ART from India in 2018. She is currently working as a consultant at department of Obstetrics and Gynecology, BRB Hospital Ltd, Bangladesh.

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