

Neonatology

March 25, 2022 | Webinar

The role of magnesium sulfate in the treatment of persistent pulmonary hypertension in the neonate: our experience in King Hussein Medical Centre (KHMC).

Persistent pulmonary hypertension in neonates (PPHN) is a critical condition caused by a failure in normal cardiac-pulmonary adjustment after birth; many factors can interfere with this process, such as meconium aspiration, Parenchyma lung disease, sepsis, intrauterine and/or prenatal hypoxia, and abnormal pulmonary development.

Objectives:

The treatment of persistent acute pulmonary hypertension of newborn remains controversial and has been tried in various treatment modalities. This study was conducted to evaluate the effect of magnesium sulfate (MgSO₄) as a treatment for persistent pulmonary hypertension of the newborn (PPHN) and its outcome

Methods:

This study is a retrospective review of a neonate with PPHN treated with magnesium sulfate (MgSO₄) in the Neonatal Intensive Care Unit (NICU) during the period of January