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## **A study of correlation of maternal serum zinc levels with breast milk and cord blood of late preterm neonates**

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TITLE:A study of correlation of maternal serum zinc levels with breast milk and cord blood of late preterm neonates

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Abstract

Background: Zinc is known as one of the life's essential elements for humans. More than half a million deaths in infants and young children under the age of five years are due to zinc deficiency. Zinc deficiency may lead to several complications. Preterm neonates are at risk to develop zinc deficiency. Hence this study is being conducted to estimate zinc levels in maternal serum and its correlation with zinc levels of breast milk and cord blood of late preterm neonates, and to assess the outcome of late preterm neonates with zinc deficiency.

Patients and method-late preterm neonates (34weeks to 37weeks), maternal serum, and maternal breastmilk(50 sample each), zinc levels are estimated by kit method. Study is being conducted between September 2020 and September 2022.

Results: awaited

Conclusions: awaited

Key words: late preterm neonates, maternal serum, breastmilk, zinc level