

THESIS ABSTRACT

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TITLE: A STUDY ON SENSITIVITY OF CORD BLOOD BILIRUBIN LEVEL IN PREDICTING NEONATAL HYPERBILIRUBINEMIA.

Period of study:April2016-September2016

INSTITUTION:Govt Kilpauk Medical College,Chennai.

Background :Neonatal hyperbilirubinemia is the most common cause of readmission in newborn period.Hence inorder to reduce the risk of readmission and bilirubin associated complications cord blood bilirubin level is used for the prediction of neonatal hyperbilirubinemia.

METHODS:A prospective study was conducted in 180 newborns, cord blood bilirubin was collected and serum bilirubin after 72hrs was collected.

RESULTS: Analysis of sensitivity cord bilirubin level in predicting neonatal hyperbilirubinemia was studied.The sensitivity was found to be 82.9%.

CONCLUSION: According to the present study cord blood bilirubin can be used as a screening tool in predicting neonatal hyperbilirubinemia.

KEYWORDS:hyperbilirubinemia,newborn, cord blood, bilirubin