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Assessment of platelet indices and their ratios as a diagnostic tool for neonatal sepsis

Niteesh R.N.

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TITLE:

Assessment of platelet indices and their ratios as a diagnostic tool for neonatal sepsis

Authors:

Niteesh R N, Junior Resident

S.R. Ravikiran, MBBS, MD(Ped), Professor and HOD, Department of Pediatrics

Kasturba Medical College, Manipal Academy of Higher Education, Mangalore, Karnataka 575001, India

Abstract

Background: Although important platelet indices are readily available while obtaining routine CBC they are less studied. Moreover there are only few that assessed these parameters in neonatal sepsis. Hence, we plan to evaluate the utility of ratios of platelet indices (MPV/Platelet count and PDW/Platelet count) in early diagnosis of neonatal sepsis as compared to established haematological scoring system (HSS). We also intend to study the utility of ratio of platelet indices in monitoring the response to treatment.

Patients and Methods: Ratios of platelet indices (MPV/Platelet count and PDW/Platelet count) of 80 neonates with sepsis (cases), and 80 control neonates would be compared between September 2020 and September 2022.

Results: awaited

Conclusions: awaited

Key words: neonatal sepsis, platelet indices, MPV, PDW, platelet count