

HEMATOLOGY PROFILE OF UNDER FIVE YEARS OLD CHILDREN SUFFERED FROM ACUTE DIARRHEA AT IDAMAN BANJARBARU HOSPITAL, INDONESIA

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Abstract:

Acute diarrhea is fecal discharge >3 times in 24 hours occurring <14 days. Diarrhea is still a health problem in Indonesia. This study aimed to determine the hematological profile in cases of acute diarrhea in children under five. The hematological profile can help diagnose acute diarrhea. This research method is a descriptive retrospective with data from the medical records of patients with acute diarrhea in children under five at Idaman Banjarbaru Hospital in November 2019 - February 2020. The sampling technique was carried out using consecutive sampling. In this study, a sample of 31 children, 16 boys (51.6%) and 15 (48.4%) girls, were obtained. The results showed that 17/31 (54.8%) of the patients had anemia, and 7/17 (41.2%) of that had iron deficiency anemia (IDA). Leukocytosis and thrombocytosis were found in 32.3%, 12.9% of patients, respectively. Basophilia, eosinopenia, elevated segmented neutrophil, lymphocytosis, monocytosis were found in 100%, 67.7%, 19.4%, 38.7%, 54.8, respectively. Conclusion: IDA is found in 7/31 (22.6%) of children under five who suffer from acute diarrhea. Typical lab results are the presence of basophilia, eosinopenia, lymphocytosis, and monocytosis.

Keywords: Acute diarrhea; Hematological profile; Under-five child