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Perbandingan Jumlah Trombosit Pasien Leukemia Sebelum dan Sesudah Transfusi Trombosit Konsentrat (TC) di RSUD Dr. H. Abdul Moeloek Tahun 2021-2022

Xv + 32 halaman, 6 tabel, 9 gambar, 9 lampiran

ABSTRAK

Leukemia merupakan penyakit yang ditandai dengan pertumbuhan sel-sel imatur secara progresif. Salah satu gejala klinisnya adalah perdarahan yang disebabkan karena trombositopenia. Penderita leukemia dengan trombositopenia berat memerlukan transfusi trombosit konsentrat selama pengobatan. Penelitian ini bertujuan untuk mengetahui perbandingan jumlah trombosit pasien leukemia sebelum dan sesudah transfusi trombosit konsentrat berdasarkan rentang jumlah kantong di RSUD Dr. H. Abdul Moeloek. Penelitian ini bersifat analitik, menggunakan desain penelitian pretest-posttest group design. Jumlah sampel pada penelitian ini adalah 42 sampel. Hasil penelitian didapatkan rerata jumlah trombosit pasien sebelum transfusi rentang kantong 1-5 adalah 19.545 sel/ μ L dan setelah transfusi meningkat menjadi 56.091 sel/ μ L darah. Dari rentang kantong 6-10 jumlah rerata trombosit sebelum transfusi adalah 13.600 sel/ μ L darah dan setelah transfusi menjadi 71.300 sel/ μ L darah. Pada rentang jumlah kantong 1-5 terdapat 4 pasien yang mengalami penurunan jumlah trombosit dengan tingkat keberhasilan transfusi trombosit sebesar 81,8%, sedangkan tingkat keberhasilan transfusi trombosit pada rentang jumlah kantong 6-10 adalah 100%. Terjadi peningkatan sebesar 34% dari rentang kantong 1-5, dan terjadi peningkatan 59% dari rentang kantong 6-10. Berdasarkan hasil uji *Paired T-Test*, didapatkan nilai *P-Value* sebesar 0,004, nilai ini $<0,05$ sehingga disimpulkan terdapat perbedaan bermakna antara jumlah trombosit sebelum dan sesudah transfusi.

Kata Kunci : Leukemia, Trombositopenia, Transfusi Trombosit Konsentrat

Daftar Bacaan : 28 (2007-2022)

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Comparison of Platelet Counts of Leukemia Patients Before and After Transfusion of Platelet Concentrate (TC) at RSUD Dr. H. Abdul Moeloek in 2021-2022

Xv + 32 pages, 6 tables, 9 figures, 9 attachments

ABSTRACT

Leukemia is a disease characterized by the progressive growth of immature cells. One of the clinical symptoms is bleeding caused due to thrombocytopenia. Leukemia patients with severe thrombocytopenia require transfusion of platelet concentrate during treatment. This study aims to determine the comparison of platelet count of leukemia patients before and after platelet concentrate transfusion based on the range of the number of bags at Dr. H. Abdul Moeloek Hospital. This research is analytical, using a pretest-posttest group design research design. The number of samples in this study was 42 samples. The results of the study found that the average platelet count of patients before transfusion bag range 1-5 was 19,545 cells / μL and after transfusion increased to 56,091 cells / μL of blood. From the bag range of 6-10 the average platelet count before transfusion is 13,600 cells / μL of blood and after transfusion to 71,300 cells / μL of blood. In the range of the number of bags 1-5 there were 4 patients who experienced a decrease in platelet count with a platelet transfusion success rate of 81.8%, while the success rate of platelet transfusion in the range of the number of bags 6-10 was 100%. There was an increase of 34% from the range of pockets 1-5, and an increase of 59% from the range of pockets 6-10. Based on the results of the Paired T-Test, a P-Value value of 0.004 was obtained, this value was <0.05 so that it was concluded that there was a significant difference between the number of platelets before and after transfusion.

Keywords : Leukemia, Thrombocytopenia, Platelet Concentrate Transfusion,
References : 28 (2007-2022)