

GAMBARAN PEMBERIAN PRC TERHADAP HASIL KADAR HEMOGLOBIN PADA PASIEN TALASEMIA DI RSUD SLEMAN TAHUN 2023

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INTISARI

Latar Belakang: Diketahui penderita talasemia yang dirawat di RSUD Sleman pada tahun 2022 adalah sejumlah 28. Pasien Talasemia yang membutuhkan transfusi akan diberikan transfusi berupa komponen PRC dengan jumlah komponen yang diterima sesuai dengan anjuran dari dokter. Belum diketahui efektivitas pemberian PRC pada pasien Talasemia, dimungkinkan adanya reaksi transfusi hemolitik dikarenakan pasien talasemia mendapat multi transfusi PRC.

Tujuan: Mengetahui gambaran efektivitas pemberian PRC terhadap hasil kadar Hb pada pasien Talasemia di RSUD Sleman.

Metode: Penelitian ini menggunakan metode penelitian deskriptif kuantitatif. Teknik sampling dalam penelitian ini menggunakan *quota sampling* dengan jumlah sampel sebesar 30, dengan mengukur kadar Hb sebelum dan sesudah transfusi komponen PRC. Alat yang digunakan untuk mengukur kadar Hb pada penelitian ini adalah Hb *Checker*.

Hasil: Penggunaan PRC untuk keperluan transfusi pasien talasemia tercatat 39 kantong. Kadar Hb pasien talasemia sebelum transfusi PRC mayoritas dengan kadar Hb 6,6 – 8,1 gr/dL sejumlah 11 (36,7%) pasien. Kadar Hb pasien talasemia setelah dilakukan transfusi PRC mayoritas dengan kadar Hb 8,0 – 9,9 sejumlah 15 (50%) pasien. Kenaikan kadar Hb mayoritas dengan kenaikan kadar Hb $\leq 2,3$ gr/dL sebanyak 20 (66,7%) pasien. Kenaikan kadar Hb berdasarkan usia dewasa mayoritas dengan kenaikan kadar Hb $\leq 2,3$ gr/dL sebanyak 20 (66,7%) pasien. Kenaikan kadar Hb pada usia anak mayoritas mengalami kenaikan 2,4 – 4,3 gr/dL sejumlah 5 (16,7%) pasien. Kenaikan kadar Hb pasien talasemia berdasarkan jenis kelamin laki-laki mayoritas dengan kenaikan kadar Hb $\leq 2,3$ gr/dL sejumlah 16 (53,4%) pasien dan pada perempuan mayoritas dengan kenaikan $\leq 2,3$ gr/dL sebanyak 4 (13,3%) pasien.

Kesimpulan: Pasien Talasemia yang mendapat transfusi komponen PRC di RSUD Sleman mengalami peningkatan kadar Hb antara sebelum dan sesudah transfusi PRC.

Kata kunci: Pasien Talasemia, Kadar Hb Pasien Talasemia, Kadar Hb Pasien Talasemia Sebelum Dan Sesudah Transfusi

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DESCRIPTION OF PRC ADMINISTRATION OF HEMOGLOBIN LEVEL RESULTS IN THALASSEMIA PATIENTS AT RSUD SLEMAN IN 2023

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ABSTRACT

Background: It is known that thalassemia patients treated at Sleman Hospital in 2022 are 28. Thalassemia patients who need transfusion will be given transfusion in the form of PRC components with the number of components received according to the recommendations of the doctor. It is not yet known the effectiveness of PRC administration in thalassemia patients, hemolytic transfusion reactions are possible because thalassemia patients receive multiple PRC transfusions.

Objective: Knowing the description of the effectiveness of PRC administration on the results of Hb levels in Thalassemia patients at Sleman Hospital.

Methods: This study used quantitative descriptive research methods. The sampling technique in this study used a sampling quota with a total sample of 30, by measuring Hb levels before and after PRC component transfusion. The tool used to measure Hb levels in this study is the Hb Checker.

Results: The use of PRC for thalassemia patient transfusion purposes recorded 39 bags. Hb levels of thalassemia patients before PRC transfusion were the majority with Hb levels of 6.6 – 8.1 g / dL of 11 (36,7%) patients. Hb levels of thalassemia patients after PRC transfusion were the majority with Hb levels of 8.0 – 9.9 totaling 15 (50%) patients. The majority increase in Hb levels with an increase in Hb levels ≤ 2.3 g / dL as many as 20 (66,7%) patients. The increase in Hb levels based on adult age was the majority with an increase in Hb levels ≤ 2.3 g / dL as many as 20 (66,7%) patients. The increase in Hb levels in the majority of children experienced an increase of 2.4 – 4.3 g / dL in 5 (16,7%) patients. The increase in Hb levels of thalassemia patients based on the majority male sex with an increase in Hb levels ≤ 2.3 g / dL by 16 (53,4%) patients and in the majority of women with an increase in ≤ 2.3 g / dL by 4 (13,3%) patients.

Conclusion: Thalassemia patients who received PRC component transfusion at RSUD Sleman experienced elevated Hb levels between before and after PRC transfusion.

Keywords: Thalassemia Patient, Thalassemia Patient Hb Level, Thalassemia Patient Hb Level Before and After Transfusion

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