

**Gambaran Jumlah Trombosit pada Pasien *Pre* dan *Post* Transfusi 6
Trombocyte Concentrate (TC) dan 1 Trombopheresis**

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ABSTRAK

Trombosit merupakan komponen darah yang mempunyai peranan penting untuk terapi perdarahan akibat trombositopenia, dimana jumlah trombosit dalam tubuh < 50.000/uL, sedang nilai normal berkisar 150.000 – 400.000/uL. Komponen trombosit dibuat dengan 2 cara yaitu pemisahan dari *whole blood* dan sistem apheresis (secara mesin). Dihasilkan komponen TC dan trombopheresis, keduanya mempunyai perbedaan volume dan kualitas trombosit yang didapatkan. Enam TC sebanding dengan 1 trombopheresis, akan tetapi selama ini pemberian transfusi 6 TC dirasa kurang bisa menaikkan jumlah trombosit secara bermakna, dan sering menimbulkan reaksi transfusi bagi pasien. Tujuan penelitian untuk mengetahui jumlah trombosit *pre* dan *post* transfusi 6 TC dan 1 trombopheresis .

Jenis penelitian adalah penelitian deskriptif dengan maksud menggambarkan jumlah trombosit *post* transfusi 6 TC dan 1 trombopheresis. Populasinya adalah semua pasien berdasarkan catatan medis melakukan transfusi 6 TC dan 1 trombopheresis di RSUP Dr kariadi periode 1 Januari – 31 Mei 2016, diambil jumlah sampel masing-masing 20 pasien.

Hasil penelitian rerata gambaran jumlah trombosit *pre* dan *post* transfusi 6 TC didapatkan 32.67 dan 45.06, sedang rerata *pre* dan *post* transfusi 1 trombopheresis didapatkan 23.38 dan 58.61.

Kata kunci : Jumlah trombosit, *trombocyte concentrate*(TC), trombopheresis

The Description Platelet Count Of Patient Pre and Post Transfusion 6 Trombocyte Concentrate (TC) and 1 Trombopheresis

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ABSTRACT

Platelet is component of blood, that has an important role to therapy bleeding due to thrombocytopenia, where the number of platelet in the body $< 50.000/uL$, whereas the normal value about $150.000 - 400.000/uL$. Platelet is made with 2 way, that is separation of whole blood and apheresis system (by machine). The obtain TC and trombopheresis, both have difference in volume of yield, and quality of platelet. Six TC equivalent 1 trombopheresis, but during transfusion 6 TC is less able to raise platelet count was significantly reduced, and often cause transfusion reactions for patients. Purpose of research was to know platelet count of patient pre and post transfusion 6 TC and 1 trombopheresis.

This is an descriptive research in order to describe platelet count of patient post transfusion 6 TC and 1 trombopheresis. Populasi is all of patient based on the medical records who got transfusion 6 TC and 1 trombopheresis in RSUP Dr Kariadi 1 January – 31 May 2016, the each of samples is 20 patient.

The statistict descriptive showed the average of platelet count pre and post transfusion 6 TC are 32.38 and 45.06, pre and post transfusion 1 trombopheresis are 23.38 and 58.61.

Keywords: count of platelet, trombocyte concentrate (TC), trombopheresis.