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GAMBARAN JUMLAH TROMBOSIT PADA PENDERITA DIABETES MELITUS Tipe 2

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ABSTRAK

Pendahuluan diabetes merupakan satu dari penyakit tidak menular yang menjadi perhatian dunia, karena persentasenya terus meningkat diseluruh dekadanya. Tidak mampunya pankreas memproduksi insulin yang cukup dan tubuh tidak menggunakannya secara efektif dapat menyebabkan penyakit diabetes terjadi. Hiperglisemia dimana salah satu faktor yang mempengaruhi yaitu sel trombosit menjadi penyebab diabetes terjadi. **Tujuan** untuk memperhatikan bagaimana jumlah trombosit yang diderita oleh penderita diabetes melitus tipe 2. **Metode** menggunakan desain *literature review*, format PICOS (*Population/problem, Intervention, Comparison, Outcome, and Study design*) serta kata kunci: "platelets in type 2 diabetes mellitus" AND "platelets in diabetes mellitus". Database total 60 jurnal hasil dari *Google Scholar* dan *Pubmed* disaring sesuai kurun waktu 10 tahun terakhir menggunakan permasalahan sama diperoleh 5 jurnal. Pengambilan sampel dengan *purposive sampling, observation, dan control case*; pemeriksaan menggunakan alat *hematology analyzer*. **Hasil** rerata diperoleh trombosit dengan rentang normal pada 5 jurnal yang telah ditelaah. **Kesimpulan** penderita diabetes melitus tipe 2 didapatkan nilai trombosit normal. **Saran** diharapkan kemudian hari dilakukan penelitian dengan variabel yang lebih spesifik.

Kata Kunci: diabetes melitus tipe 2, jumlah trombosit, trombosit.

AN OVERVIEW OF THE PLATELETS NUMBER OF TYPE 2 DIABETES MELITUS

ABSTRACT

Introduction diabetes is one of the non contagious diseases of concern on the world, because the percentage is increasing every decade. The pancreas does not produce enough insulin and the body does not use it effectively can cause diabetes to occur. **Hyperglycemia** where one of the influencing factors, namely platelet cells, causes diabetes to occur. **The purpose** is to show how the platelet count suffered by people with type 2 diabetes mellitus. **The method** used a *literature review design, the PICOS format (Population / problem, Intervention, Comparison, Outcome, and Study design)* and the keyword: "platelets in type 2 diabetes mellitus" AND "Platelets in diabetes mellitus". The total database of 60 journals results from *Google Scholar* and *Pubmed* was filtered according to the last 10 years using the same problem obtained by 5 journals. The sampling used *purposive sampling, observation, and control case, examination using a hematology analyzer*. **The results** were obtained platelets with normal ranges in the 5 reviewed journals. **The conclusion** patients with type 2 diabetes mellitus obtained normal platelet values. **Suggestions** are expected that later research with more specific variables will be carried out.

Keywords: type 2 diabetes mellitus, platelet count, platelet.