

ABSTRAK

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Program Studi : Farmasi
Judul Skripsi : Pengaruh Potensi Interaksi Obat Antidiabetes Terhadap Hipoglikemia Pada Pasien DM Tipe 2 Di Instalasi Rawat Jalan di RSUD Pasar Minggu Periode April – Mei Tahun 2023

Penggunaan obat antidiabetes secara bersamaan atau polifarmasi dapat menyebabkan interaksi obat, pengaruh dari interaksi obat dapat menyebabkan hipoglikemia. Penelitian ini dilakukan untuk mengetahui demografi pasien yang menderita DM Tipe 2 berdasarkan jenis kelamin dan usia, mengetahui ada atau tidaknya pasien yang mengalami kejadian hipoglikemia, mengetahui pola penggunaan obat antidiabetes dengan obat lain dan ada atau tidaknya potensi yang menyebabkan hipoglikemia pada pasien DM Tipe 2 di instalasi rawat jalan RSUD Pasar Minggu Periode April – Mei 2023. Penelitian ini merupakan penelitian non-eksperimental dengan metode deskriptif, pengumpulan data prospektif dan menggunakan *medscape drug interaction checker*. Berdasarkan hasil penelitian diketahui pasien yang berjenis kelamin perempuan yang paling banyak 159 (56%), usia 56-65 tahun sebanyak 126 (44%), penyakit penyerta terbanyak yaitu hipertensi 54 (19,1%). Kombinasi obat antidiabetes terbanyak yaitu kombinasi insulin detemir dengan insulin aspart 88 pasien (31,2%). Obat lain yang paling banyak yaitu amlodipin 88 (14,5%). Pasien rawat jalan yang mengalami interaksi obat sebanyak 118 pasien (42%). Mekanisme interaksi tidak diketahui 156 kejadian (59%). Mekanisme interaksi farmakodinamik terjadi 81 kejadian (31%) dan interaksi farmakokinetik 26 kejadian (10%). Serta pasien yang mengalami tingkat moderat 231 (88%), tingkat minor 30 (11%). Pengaruh interaksi obat antidiabetes terhadap hipoglikemia berpengaruh secara signifikan terhadap hipoglikemi ($P=0.02$).

Kata kunci:

Diabetes Mellitus Tipe 2, Hipoglikemia, Interaksi Obat, Antidiabetes, Rumah Sakit Umum Daerah Pasar Minggu

ABSTRACT

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Title : The Effect of Antidiabetic Drug Interactions on Hypoglycemia in Type 2 DM Patients at Pasar Minggu General Hospital

The concurrent use of antidiabetic medications or polypharmacy can result in drug interactions, and the influence of these drug interactions can lead to hypoglycemia. This research was conducted to determine the demographics of Type 2 DM patients based on gender and age, identify the presence of patients who experienced hypoglycemic events, understand the patterns of antidiabetic drug usage in combination with other medications, and assess the potential for causing hypoglycemia in Type 2 DM patients in the outpatient department of Pasar Minggu Regional General Hospital during the period of April to June 2023. This study employed a non-experimental research design with a descriptive methodology, prospective data collection, and the utilization of the Medscape drug interaction checker. Based on the research findings, it was found that the majority of patients were female, with 159 individuals (56%), and the age group of 56-65 years accounted for 126 patients (44%). The most prevalent comorbidity was hypertension, affecting 54 patients (19.1%). The most common combination of antidiabetic medications was the combination of insulin detemir and insulin aspart, involving 88 patients (31.2%). Additionally, the most frequently prescribed other medication was amlodipine, with 88 cases (14.5%). Among the outpatient population, 118 patients (42%) experienced drug interactions. The mechanism of interaction was unknown in 156 cases (59%). Pharmacodynamic interactions occurred in 81 cases (31%), and pharmacokinetic interactions were observed in 26 cases (10%). Furthermore, patients experiencing a moderate level of interaction were 231 (88%), and minor-level interactions were observed in 30 cases (11%). The influence of antidiabetic drug interactions on hypoglycemia significantly affected hypoglycemic events ($P = 0.02$).

Keywords:

Diabetes Mellitus Tipe 2, Hypoglycemia, Drug Interaction, Antidiabetic, Pasar Minggu General Hospital