ABSTRAK

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Program Studi	:	Farmasi
Judul Skripsi	:	Pengaruh Potensi Interaksi Obat Antidiabetes Terhadap Hipoglikemia Pada Pasien Diabetes Melitus Tipe 2 Di Instalasi Rawat Jalan RSUP Fatmawati Periode April-Juni 2023

Penggunaan obat antidiabetes secara bersamaan atau polifarmasi dapat menyebabkan potensi interaksi obat, pengaruh dari potensi interaksi obat dapat menyebabkan hipoglikemia. Penelitian ini dilakukan untuk mengetahui demografi pasien yang menderita Diabetes Melitus 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 RSUP Fatmawati Periode April - Juni 2023. Penelitian ini merupakan penelitian non-eksperimental dengan metode deskriptif, pengumpulan data prospektif dan menggunakan medscape drug interactions checker. Berdasarkan hasil penelitian diketahui pasien berjenis kelamin perempuan yang paling banyak 62 (57%), usia 46-55 tahun sebanyak 42 (39%), pasien yang tidak mengalami hipoglikemia terbanyak 58 (53%), penyakit penyerta terbanyak yaitu hipertensi 18 (17%). Kombinasi obat antidiabetes terbanyak yaitu kombinasi obat glimepirid dengan metformin 11 pasien (10 %). Sedangkan obat lain yang paling banyak yaitu amlodipin 40 (7,59%). Pasien yang mengalami interaksi obat sebanyak 46 pasien (42.2%). Jenis interaksi yang paling banyak terjadi yaitu farmakodinamik 68 kejadian (71,58%). Serta tingkat keparahan yang paling banyak yaitu moderate 93 (97,9%). Pengaruh interaksi obat antidiabetes terhadap hipoglikemia tidak berpengaruh secara signifikan terhadap hipoglikemi (P =0.336).

Kata kunci:
Antidiabetes, Diabetes Mellitus Tipe 2, Hipoglikemia, Interaksi Obat, RSUP Fatmawati

ABSTRACT

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Title	:	The Potential Effect of Antidiabetic Drug Interactions on Hypoglycemia in Type 2 Diabetes Mellitus Patients at Fatmawati General Hospital for the Period April-June 2023

The concurrent use of antidiabetic drugs or polypharmacy can lead to potential drug interactions, which can result in hypoglycemia. This study was conducted to determine the demographic characteristics of Type 2 diabetes mellitus (DM) patients based on gender and age, to identify the occurrence of hypoglycemia in patients, to understand the patterns of antidiabetic drug use with other medications, and to assess the potential factors causing hypoglycemia in Type 2 DM patients at the Outpatient Department of RSUP Fatmawati during the period of April - June 2023. This study is a non-experimental research with a descriptive method, prospective data collection, and utilizing the Medscape drug interactions checker. Based on the research findings, it was revealed that the majority of patients were female with 62 (57%), aged between 46-55 years with 42 (39%), most patients did not experience hypoglycemia, totaling 58 (53%), and the most prevalent comorbidity was hypertension with 18 (17%). The most common combination of antidiabetic drugs was glimepiride combined with metformin, observed in 11 patients (10%). Meanwhile, the most frequently used other drug was amlodipine with 40 (7.59%). A total of 46 patients (42.2%) experienced drug interactions, with the majority of interactions being pharmacodynamic in nature, totaling 68 incidents (71.58%). Furthermore, the severity level of these interactions was mainly categorized as moderate, comprising 93 (97.9%). The impact of antidiabetic drug interactions on hypoglycemia was not significantly influential (P=0.336).

Keywords:
Antidiabetic, Diabetes Mellitus Type 2, Hypoglicemia, Drug Interaction, Fatmawati General Hospital