

ABSTRACT

DESCIRPTION OF POTENTIAL DRUG INTERACTION IN ANTIHYPERTENSIVE PRESCRIPTION USING MEDSCAPE DRUG INTERACTION CHECKER IN GAYUNGAN COMMUNITY HEALTH CENTER

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Hypertension or high blood pressure is an increase in systolic blood pressure of more than 140 mmHg and diastolic blood pressure of more than 90 mmHg. There are various types of hypertension drugs consisting of Angiotensin-converting enzyme (ACE) inhibitors, Angiotensin receptor blockers (ARB), -Blockers, Calcium channel blockers (CCB), Thiazide-type diuretics (DIURETICS). Giving more than one antihypertensive drug can lead to potential drug interaction with other drugs that are consumed simultaneously. This research was purposed to determine the potential for drug interactions in antihypertensive prescribing given to patients at the Gayungan Health Center This was an observational study with a descriptive approach using retrospective prescriptions observations from the period March 2021-August 2021. The data obtained retrospectively were 36 patients as research samples.

Identification of drug interactions using the Medscape Drug Interaction Checker application, the type of women obtained were 26 (72.22%), the most age 61-70 21 people (58.33%), the most widely used drug in this treatment was amlodipine as many as 247 drugs (91.14%), drug combinations in this study that caused the most interactions were amlodipine with metformin as many as 25 cases, drug interactions based on severity closely monitored total 25 (69.44%), drug interactions based on the mechanism of pharmacodynamic interactions total 26 (72.22%)

Suggestions of researchers to increase the success of treatment of hypertensive patients, it is hoped that Pharmacy Technical Staff can work together with pharmacists so as to minimize drug interactions. In this study, the most common drug interactions were amlodipine and metformin. I suggest monitoring the patient's blood glucose because of the hypoglycemic effect.

Keywords : Antihypertensive, Drug Interactions, Medscape, Community Health Center