

ABSTRACT

EVENT OF DRUG INTERACTIONS IN ANTIHYPERTENSIVE POLYPHARMACEUTICAL PRESCRIPTIONS AT “X” PHARMACY SURABAYA

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Hypertension is a condition where there is an abnormal and continuous increase in blood pressure, people with hypertension will go to the pharmacy as a place to redeem their prescriptions, of course there are several prescriptions that are polypharmacy and interact with each other so the author tries to examine how much interacting recipes from january 2020 to december 2021 The method used in this research is descriptive observational which is carried out by analyzing polypharmacy prescriptions which contain antihypertensive drugs in a written prescription of at least 2 kinds of drugs. The sampling technique uses a total sampling technique, recipes that meet the research criteria are analyzed using the Medscape. The number of prescriptions analyzed in this study were 128 prescription sheets, but the number of prescriptions with the potential for drug interactions were 54 (42.2%) prescriptions. From a total of 54 prescriptions analyzed, a total of 100 potential drug interactions were found. Drug interactions based on the mechanism mostly occur in pharmacodynamic interactions as many as 80 events In the analysis process in this study, for pharmacokinetic interactions as many as 20 events. Drug interactions based on severity were most common at the closely monitored severity level of 50 events, while for the severity of minor interactions there were 36 events and the severity of serious interactions were 14 events. There are several drugs that are not listed in Medscape, so it is recommended to use other sources of information such as Drugs.com.

Keywords :Hypertension, Polypharmacy, drug interaction, Antihypertensive, Medspace