

ABSTRACT

STUDY OF POTENTIAL INTERACTIONS OF ANTIHYPERLIPIDEMIC DRUG IN GEO MEDIKA CLINIC, SIDOARJO

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Drug interaction is a phenomenon that occurs when the pharmacodynamic and pharmacokinetic effects of a drug are altered due to the presence of other drugs when given at the same time, so that the effectiveness or toxicity of other drugs is changed. The severity of the interaction is divided into three, the level of mild interaction, monitor closely interaction, and serious interaction. Hyperlipidemia is a blood lipid metabolism disorder characterized by elevated levels of cholesterol (hypercholesterolemia), triglycerides (hypertriglyceridemia), or a combination of both in plasma. This study aims to identify potential antihyperlipidemic drug interactions at Geo Medika Clinic Sidoarjo. The research design used was descriptive observation which was carried out by observing and collecting retrospective prescription data containing antihyperlipidemic drugs for the period January – December 2021 using the Medscape online application. From the results of the study, obtained 63 prescription sheets with the prevalence of interactions between drugs as many as 23 events with a percentage of 36.50% and 40 prescriptions without drug interactions with a percentage of 63.50%. Of the 23 recipes, the largest number of interactions were 82.61% serious interactions; followed by interaction monitoring closely 13.04%; and 4.35% mild interaction. . The role of a pharmacist is needed, especially regarding side effects and drug interactions that can occur when a patient uses two or more drugs at the same time.

Keywords : Drug interactions, antihyperlipidemia, pharmacodynamics and pharmacokinetics, prescription.