

ABSTRACT

(RESUME ARTIKEL)

INTERACTIONS OF ANTI HYPERTENSION DRUG IN HOSPITAL

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Hypertension is a disease with a high prevalence. Hypertension is a degenerative disease, which usually requires more than one drug to treat. In some cases of hypertension, a combination of several drugs is needed to achieve the intended blood pressure. The most widely used classes of antihypertensive drugs are thiazides, beta blockers, angiotensin converting enzyme inhibitors, and angiotensin II receptor antagonists. The use of pharmacological therapy can cause problems, such as drug interactions. Drug interactions are something that must be considered in patients who receive a large number of types of drugs. Interactions can result in overdosage of some drugs and overdoses that are serious or lethal. Interactions can also result in drug levels that are too low in the bloodstream. My goal was to take this title because it was to find out the potential for drug interactions in the hospital, based on the level of severity, and the mechanism of action. .Design This research is a study using the resume article method. Based on the results of the conclusions of the article resume, namely Based on the conclusions of the article resume, namely: Potential drug interactions in the Hospital, the results of drug interactions were obtained with a range of 36 - 75.6% with the most interacting drugs including ramipril and amlodipine as much as 26.7% . Combinations based on antihypertensive drug classes were found in ARB and CCB groups. The potential for drug interactions based on the level of severity found major results 5% - 25.3%, minor 16% - 29%, and moderate 45.3% - 88%. The potential for drug interactions based on the mechanism of action found pharmacokinetic results of 38.7%, pharmacodynamics 58.7% - 100%, and 2.6% unknown mechanism of interaction. So it can be concluded that drug interactions that occur are known to range from 36% -75. 6% with the most interacting drugs, among others, Ramipril and Amlodipine as much as 26.7%.

Keywords : Antihypertensive Drug Interaction, Mechanism of Drug Interaction