

ABSTRACT

DRUG UTILIZATION PROFILE OF ANGIOTENSIN RECEPTOR BLOCKER IN PATIENT WITH CARDIOVASCULAR DISEASE

AMIRO AULIA

Cardiovascular disease is heart and blood vessel disease. Cardiovascular disease consists of several kind the part are hypertension and heart failure. Hypertension is when blood pressure, the force of the blood flowing through your blood vessels, is consistently too high. Hypertension is a risk factor of cardiovascular disease. Heart Failure is a term used to describe a heart that cannot keep up with its workload. The body may not get the oxygen it needs. An estimated 17.7 million people died from CVDs in 2015, representing 31% of all global deaths. One of cardiovascular disease pharmacology therapy especially hypertension and heart failure is Angiotensin Receptor Blocker (ARB).

Objectives: The purpose of this study was to describe drug utilization profile of Angiotensin Receptor Blocker (ARB) in patient cardiovascular disease especially hypertension and heart failure in RSUD Dr. Soetomo and identify problems related to drugs that may occur.

Methods: A prospective observational study was conducted in Cardiology inpatient care, RSUD Soetomo during the period July – December 2017. The data was collected from patient's medical record.

Results: From 67 samples, 12 patients who met the inclusion criteria, men where about 7 and women were about 5 with an age range most in 55 – 64. The most ARB widely use is Valsartan , Candesartan, and Telmisartan. Potential Drug Related Problem (DRP) was side effect of ARB that occurred in patients such as hypotension, and also potential drug interaction was the interaction between ARB with Aspirin .

Conclusion: ARB used for therapy are Valsartan, Candesartan, and Telmisartan. The most ARB widely used was Valsartan. Potential Drug Related Problem (DRP) was the side effect of ARB occurred in patients such as hypotension Potential drug interaction was the interaction between ARB with Aspirin.

Keywords: ARB, Cardiovascular Disease, Drug Utilization Profile, Heart Failure, Hypertension