

ABSTRACT

Comparison Of The Effectiveness Of Candesartan And Amlodipine At Congestive Heart Failure In Siti Asiyah Bumiayu Hospital 2023

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Congestive Heart Failure (CHF) or commonly known as congestive heart failure is a cardiovascular disease whose incidence and prevalence continue to increase, the risk of death from heart failure ranges from 5-10% per year in mild heart failure which will increase to 30-40% in heart failure. heavy heart. Riskesdas data (2018), age 75 and over shows a prevalence of heart disease of 4.7% (the highest of all age groups) followed by ages 65-74 years of 4.6% and 55-64 years of 3.9 %. To determine the effectiveness of candesartan and amlodipine. At Siti Asiyah Bumiayu General Hospital, the prevalence of heart failure is highest and the number is the highest compared to other diseases after hypertension and diabetes mellitus. Data collection method is non-experimental observation of medical record data, data collection technique is purposive sampling, data analysis is using univariate test and bivariate test. The study was conducted at the internal medicine polyclinic at Siti Asiyah Bumiayu General Hospital in April-May with a total population 65 patients and 34 patients met the inclusion criteria most congestive heart failure patients were male, namely (55.9%). Hypertension patients were the first comorbid with a total of 20.6%, creatinine values in heart failure patients at the internal medicine polyclinic with normal results of 35.3% (12 patients) and creatinine values that exceeded normal by 64.7% (22 patients) gender male 55.9% (19 patients) with age range of 60 years 50.0% (17 patients), elementary education level 44.2% (14 patients) with labor status 44.1% (15 patients) . Comparison of the most widely used cardiovascular drugs, namely candesartan (ARB) of 76.5% (26 patients) and amlodipine of 23.5% (8 patients). the result of independent simple t-test showed a result $0,036 < 0,05$ meaning that the result was significant, was a difference between blood pressure and treatment and the results of the *independen simpel test* showed a result of $0.167 p(\text{value}) 0.05$, so it can be concluded that it indicates a not significant result, meaning that there is a difference between the creatinine value and treatment heart failure.

Keyword: *Congestive Heart Failure, Candesartan, Amlodipine, Kreatinin, Independen Simpel T-Test*

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