

ABSTRACT

SUITABILITY OF PRESCRIBING ANTIHYPERTENSION DRUGS WITH NATIONAL FORMULARY FOR THE PERIOD OF JUNE 2021 – NOVEMBER 2021 IN THE HEART DISEASE UNIT (Studies conducted in Rumah Sakit Islam Jemursari Surabaya)

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Hypertension is when blood vessels have persistently high blood pressure (>140/90 mmHg). The prevalence of coronary heart disease in Indonesia in 2013 was 0.5%, or an estimated 883,447 people. Hypertension can be treated with diuretic drugs, adrenergic system inhibitors, Angiotensin Converting Enzyme (ACEI), Angiotensin Receptor Blocker II (ARB) or Calcium Channel Blocker (CCB) inhibitors. National Formulary is a list of drugs compiled by a national committee determined by the Minister of Health, based on the latest scientific evidence that is productive, safe, and at an affordable price which is provided and used as a reference for the use of drugs in national health insurance. The standard for prescribing according to the formulary is 100%. This study aims to determine the suitability of prescribing antihypertensive drugs for BPJS patients with the National Formulary at the Heart Disease Unit in Rumah Sakit Islam Jemursari Surabaya. This study used a retrospective observational method with descriptive analysis. Patients who receive antihypertensive drugs from June-November 2021 are included. The results of this study were obtained with the generic name drug parameter, showing that 254 (98.8%) items of generic name drugs were following the FORNAS and 3 (1.2%) drug items were not following the National Formulary. The drug trade name parameter shows that 280 (100%) items follow the FORNAS and 0 (0%) drug items do not follow the National Formulary. For the dose parameter, it can be concluded that 100% follows the National Formulary. The parameters of the drug use rule following the National Formulary were 528 (98.3%) and as many as 9 (1.7%) drug items were not following the National Formulary.

Keywords: Antihypertension drugs, National formulary, Suitability of Prescription