

SKRIPSI

STUDI PENGGUNAAN OBAT INOTROPIK DAN VASOPRESOR PADA PENDERITA SYOK KARDIOGENIK

**(Penelitian Dilakukan di Departemen Kardiologi
RSUD dr. Soetomo Surabaya)**



Vica Aulya Rivera

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ABSTRACT

**DRUG UTILIZATION STUDY OF INOTROPIC AND VASOPRESSOR IN CARDIOGENIC SHOCK PATIENT
(Study at Unit of Cardiology Dr. Soetomo General Hospital Surabaya)**

Vica Aulya Rivera

Inotropic and vasopressor are one of the treatment of cardiogenic shock in order to improve haemodynamic situation. Inotropic are used to enhance the cardiac contractility who've not worked correctly in cardiogenic shock. Vasopressor are used to help inotropic with the mechanism of vasoconstriction.

The aim of this study was to analyze the utilization of inotropic and vasopressor in cardiogenic shock patient at Dr. Soetomo General Hospital Surabaya. The study was retrospective using data from medical records during the period January 2011 – December 2013.

The result showed that inotropic and vasopressor used in cardiogenic shock in Dr. Soetomo General Hospital Surabaya was dopamine, dobutamine, and norepinephrine. Dopamine was administered at dose 3 - 10 $\mu\text{g}/\text{kg}/\text{minute}$; Dobutamine was administered at dose 2 - 7 $\mu\text{g}/\text{kg}/\text{minute}$; Norepinephrine was administered at dose 0,05 - 0,25 $\mu\text{g}/\text{kg}/\text{minute}$. The combination and change of doses and therapy depends on patient's condition. Drug related problems that found in this study were adverse drug reactions like tachycardia.

Drug utilization of inotropic and vasopressor on cardiogenic shock patient in Dr. Soetomo General Hospital were appropriate according to Guideline in Management of Cardiogenic Shock

Keywords: Inotropic, vasopressor, cardiogenic shock, drug utilization study.