

ABSTRACT

DRUG UTILIZATION STUDY OF STREPTOKINASE ON ACUTE MYOCARDIAL INFARCTION PATIENT

(Study at Functional Medical Staff of Cardiovascular Department Dr. Soetomo General Hospital Surabaya)

Background: Streptokinase is one of Acute Myocardial Infarction therapy. Streptokinase is a medicine which is used in treatment of blood clots and treatment of myocardial infarction.

Objective: This study was performed to utilizing of streptokinase in patient with acute myocardial infarction and was to assess the drug related problem (DRPs).

Methods: The analysis was conducted descriptively by using patients medical record who were hospitalized during the period 1th January to 31th December 2013 at Dr. Soetomo General Hospital Surabaya.

Result and Discussion: The result showed that from 41 sample, majority was men (66%), in the age 50-59 years old, most risk factors in patients with AMI hypertension and diabetes mellitus (17,1%), also hypertension, diabetes mellitus and smooking (17,1%). Dose of streptokinase is 1,5 million units given by intravenous. Length of pain in patient with acute myocardial infarction was $5,26 \pm 2,90$ hours. Mostly duration of administration was 30 minutes (31,7%). Adverse drug reaction has occurred in patients were bleeding gums (4,6%), hypotension (19,5%), and hematuria (29,3%).

Conclusions: Drug utilization of streptokinase in patient with acute myocardial infarction at Dr. Soetomo General Hospital Surabaya were appropriate according to Guideline for Diagnosis and Therapy Dr. Soetomo General Hospital Surabaya.

Keywords : Acute myocardial infarction, drug utilization study, streptokinase.