

**ABSTRACT****DRUG UTILIZATION STUDY IN CHRONIC KIDNEY DISEASE  
PATIENT SUFFERING MEDICAL PROBLEM DURING  
HEMODIALYSIS PROCESS  
(Study at Hemodialysis Unit Dr. Soetomo Teaching Hospital Surabaya)**

The aim of this study was to find out medical problems that occur during hemodialysis process, the management of therapy to overcome medical problems during hemodialysis process, the relation of drug utilization model to medical problems of patient during hemodialysis treatment and also the potential drug related problems. This study was conducted by observing the hemodialysis patient in Hemodialysis Unit Dr. Soetomo Teaching Hospital Surabaya on 10 April - 16 June 2010. This study used descriptive analysis to analyze the obtained data. The result of the observation showed various medical problems suffered by the patients during hemodialysis, such as hypotension (5.9%), muscle cramp (2.9%), shivering (2.6%), headache (1.4%), asphyxia (1.4%), fever (0.6%), chest pain (0.3%), pruritus (0.3%). The therapies given to overcome hypotension during hemodialysis are intravenous dextrose 40% and NaCl 0.9%. Muscle cramp can be cure by intravenous dextrose 40%, NaCl 0.9%, Novalgin and Ca Gluconas. Shivering can be healed by heating with lamp and thick blanket to warm the patient. Other therapies which are also given to the shivering patient are intravenous Novalgin, dextrose 40%, NaCl 0.9%. The therapies used to reduce headache are paracetamol 500 mg orally, intravenous Novalgin 500 mg, Dextrose 40% and diphenhidramine. The therapies used to cure fever during HD are Novalgin 500 mg intravena and paracetamol 500 mg orally. Chest pain can be overcome by decreasing ultrafiltration rate. The therapies used to reduced pruritus during HD are intravenous dexametasone and diphenhidramine. Potensial drug related problem found in this study related to the administration time of antihypertensive therapy increase the chance of hypotensive during hemodialysis. Further study is suggested to be done in each of the medical problems, its therapy and also therapy outcome to overcome the medical problems.

Keyword: Drug Utilization Study, Chronic Kidney Disease, Hemodialysis, Medical problems, Descriptive Analysis.