UNIVERSITI TEKNOLOGI MARA

EVALUATION OF ANTIHYPERTENSIVE DRUGS UTILIZATION

IN OUTPATIENT DEPARTMENT AT

HOSPITAL TENGKU AMPUAN RAHIMAH, KLANG:

A PRESCRIPTION ANALYSIS

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ABSTRACT

Introduction: Drug utilization study is a crucial study that assists the rational use of drugs among public.

Objective: The aim of this research was to know about prescribing trend of antihypertensive agents and to study on average target dose that usually prescribed by doctor.

Method:

A cross-sectional prescription analysis study was conducted at Hospital Tengku Ampuan Rahimah, Klang.

Results:

291 prescriptions were enrolled into this study. 53.3% of the patients were female. 86.9% of the prescriptions were written in generic name and most of the prescriptions were issued by prescriber from medical outpatient department (MOPD). 65.9% patients receive more than one single antihypertensive agent. Calcium channel blocker (CCB) (59.5%) was the most antihypertensive being prescribed.

Conclusion:

Adherence to guideline is good even in the presence of comorbidities.

Table of Contents

CHAPTER 1

INTRODUCTION

1.1 Overview

Hypertension is the silent killer of human. According to World Health Organization (WHO), every year about 55 million men died and unfortunately 17 million died due to non-communicable disease like hypertension (WHO | A global brief on hypertension, 2013). Out of 17 million of it almost half people died because of cardiovascular illness and the stroke. Table 1 show that both of it are the top two causes of fatality (WHO | The top 10 causes of death, 2013). Every 17th May, World Hypertension Day will be organized in the world to urge the public about the danger of this disease ("World Hypertension Day 17th May, 2013 Theme," 2013) "Healthy Heart Beat- Healthy Blood Pressure" is the theme for the world hypertension day 2013. Next year, the theme will be "Know Your Blood Pressure.