

ABSTRACT

DRUG UTILIZATION STUDY OF ANTITHYROID AGENTS AND BETA ADRENERGIC BLOCKER IN HYPERTHYROIDISM

(Study at Dr.Ramelan Teaching Hospital Surabaya)

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Antithyroid agent and beta adrenergic blocker has been used as treatment of hyperthyroidism. However their utilization, effectiveness and safety are based on clinical and laboratory data. The dose of both are based on clinical and laboratory data which different of each other.

The aims of this study were to analyze the profile of antithyroid agents and beta adrenergic blockers use in patient with hyperthyroidism and to indentify drug related problems (DRPs) of them.

It was retrospective study during January 2012 to July 2014 at Dr.Ramelan Teaching Hospital Surabaya and was performed as descriptive analysis.

The result showed that hyperthyroidism was more prevalent in women (88%) than men (12%) with most patient's age between 40 and 60 years old (54%). Type of antithyroid agents used were propylthiouracil (71%) and methimazole (29%). Type of beta adrenergic blocker used were propranolol (96%) and bisoprolol (4%). In this study, the DRPs occurred were allergy to PTU (4%) and hypothyroid condition due to methimazole (4%) and PTU (4%) .

Keyword : Drug Utilization, Antithyroid Agent, Beta Adrenergic Blocker, Hyperthyroidism