Prescribing Rate of Inhaled Corticosteroids for Patients with Asthma Based on Analysis of 18 Standard Files Database of Hospitals
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Introduction: The goal for managing asthma in long term are to control asthma and improve quality of life such as achieving and maintaining the control of symptoms and normal activity levels, maintaining pulmonary function, preventing asthma exacerbations and asthma mortality, and avoiding adverse effects from asthma medications. Anti-inflammatory treatment is a cornerstone of asthma therapy, however, previous studies founded that prescribing rate of inhaled corticosteroids was low. This study aimed to determine the prescribing rate of inhaled corticosteroids for outpatients with asthma Methods: using 18 Standard Files Database of 11 hospitals during the fiscal year 2010 and 2011.SQL program was developed to facilitate analyzing the data. Results: The prescribing rates of inhaled corticosteroids for asthma patients were significantly different across age groups. The lowest prescribing rates of inhaled corticosteroids was found among children who aged 10 year old or lower. The prescribing rates ranged from 3 to 66 percent in the fiscal year 2010 and ranged from 10 to 70 percent in the fiscal year 2011. There were two hospitals that the prescribing rates of inhaled corticosteroids were lower than 10 percent. The percentage of patients with asthma who received inhaled corticosteroids at least 4 pieces per year ranged from 4 to 100 percent. There were only one hospital that the all of asthma patients received inhaled corticosteroids at least 4 pieces per year. There were three hospitals that the percentage of asthma patients who received inhaled corticosteroids at least 4 pieces per year was quite low (4%). The annually percentage of patients with asthma receiving inhaled corticosteroids across the hospitals ranged from 14 to 78 percent. Conclusion: The prescribing rates of inhaled corticosteroids for asthmatic patients varied across hospitals and the prescribing rates in some hospitals were still low. All hospitals should continually implement the activities that help to improve prescribing rates of inhaled corticosteroid.

Keywords: Inhaled corticosteroids, Outpatients, Asthma, 18 Standard Files Database

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