

عنوان مقاله:

COMPARISON OF THE EFFECT OF PULMICORT AND SYSTEMIC CORTICOSTEROID ON THE TREATMENT OF PATIENTS WITH ACUTE OBSTRUCTIVE PULMONARY ATTACK REFERRING TO THE EMERGENCY DEPARTMENT

محل انتشار:

چهاردهمین کنگره سالانه طب اورژانس ایران (سال: 1398)

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خلاصه مقاله:

Background and Aim : The aim of this study was to compare the effect of pulmicort and systemic corticosteroids on the treatment of patients with acute obstructive pulmonary attack (AOPA) by controlling confounding factors (age and sex). **Methods :** This study was a double-blind clinical trial performed on 72 patients with AOPA in Besat Hospital, Tehran, Iran from 20 March 2016 to 20 March 2017. Patients were randomly assigned into two treatment groups of nebulized pulmicort (budesonide) or systemic corticosteroids using prednisolone 50 mg or hydrocortisone 200 mg. To test the main hypothesis of the research, logistic regression analyzes were performed while Chi-square and Fisher exact tests were used to test the sub-hypotheses of the study in SPSS 21. **Results :** The odds of recovery in patients who received pulmicort was 6.68 times higher than the systemic corticosteroids treatment group (Odds ratio (OR) = 6.68, P-value = 0.003). The odds of recovery in women was 11.48 times higher than men (OR = 11.48, P-value = 0.000). 0.94 odds of recovery in older aged patients compared with lower ages showed that the chance of remission reduces with aging. (OR = 0.94, P-value = 0.002). According to 2 independent sample t-test, the difference in pt recovery on the basis of age was significant only in the patient who received pulmicort. **Conclusion :** Based on the results of this study, pulmicort was more effective than systemic corticosteroid in the treatment of patients with AOPA regardless of their gender

کلمات کلیدی:

Acute obstructive pulmonary attack, Pulmicort, Systemic corticosteroid

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