

عنوان مقاله:

Therapeutic Effect of Intratympanic Injection of Dexamethasone plus Hyaluronic Acid on Patients with Meniere's disease

محل انتشار:

مجله علمی گوش و حلق و بینی ایران، دوره 31، شماره 4 (سال: 1398)

تعداد صفحات اصل مقاله: 7

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خلاصه مقاله:

Introduction: Intratympanic therapy, as a widely used treatment for inner ear diseases, is regarded as a therapeutic method in controlling the vertigo of the patients with Meniere's disease. This study was designed to evaluate the effect of the Intratympanic dexamethasone-hyaluronic acid combination on patients suffering from Meniere's disease. **Materials and Methods:** This study was a clinical trial on patients with Meniere's disease during 2016-2017. Patients received two Intratympanic injections of dexamethasone plus hyaluronic acid as a mixture within a month. Before and 2 weeks after the intervention, pure tone average (PTA) at 0.5, 1, 2, and 4 KHz frequencies, speech discrimination score (SDS), dizziness handicap inventory (DHI), and tinnitus handicap inventory (THI) scores were evaluated for each patient. The obtained scores were statistically analyzed. **Results:** This study was conducted on a total number of 25 patients with Meniere's disease. The mean age of participants in this study was 44.71 ± 4.92 years. Gender distribution among participants revealed that 36% of patients were male. The mean values of PTA, SDS, and THI were not significantly different before and after the intervention. However, the mean score of DHI decreased significantly after the intervention ($P < 0.001$). **Conclusion:** Intratympanic dexamethasone/hyaluronic acid had a positive effect on the vertigo of the investigated patients without any significant improvement in hearing impairment and tinnitus in the short term.

کلمات کلیدی:

Dexamethasone, Meniere's disease, Hyaluronic acid

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