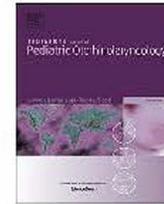


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Cucurbitacine B-D-I-E treatment in children suffering from otitis media with effusion



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ABSTRACT

Objective: Otitis media with effusion (OME) is an ear disorder defined by the presence of fluid in the middle ear without signs or symptoms of acute infection. The current randomized, double-blind, controlled study aimed to evaluate whether Cucurbitacine B-D-I-E treatment, administered by nasal dou-che (Rinowash), could induce ear healing better than isotonic saline in children with OME.

Methods: The study was randomized, double-blind, and controlled. Group A (30 children) was treated with Cucurbitacine B-D-I-E and Group B (31 children) was treated with isotonic saline; both compounds were administered by nasal nebulization with Rinowash nasal douche twice/day in the morning and in the evening for 10 days, followed by a one-week suspension, and after by a second course as the first. Tympanogram and audiometry were performed at baseline and after treatment.

Results: Considering the global evaluation of the treatment: in Group A, 28 (93.3%) patients had complete resolution and 2 (6.7%) had partial resolution; in Group B, all patients had failure of treatment. There was a significant difference between groups ($p < 0.0001$).

Conclusion: The current randomized-controlled study demonstrated that Cucurbitacine B-D-I-E was effective and in the treatment of children with OME.

RISULTATI DELLO STUDIO

Gruppo A: 55 delle orecchie trattate (91,7%) sono state definite guarite e 5 (8,3%) sono state definite non-guarite. Considerando il numero di pazienti: 28 (93,3%) pazienti sono stati considerati guariti e 2 (6,7%) sono stati considerati non guariti.

Gruppo B: 19 delle orecchie trattate (30,7%) sono state definite guarite e 43 (69,4%) sono state definite non-guarite. Considerando il numero di pazienti: nessuno dei pazienti è stato definito guarito (0%) e 31 (100%) non sono stati definiti guariti. Vi era una differenza significativa tra i gruppi, considerando sia il numero di orecchie che di pazienti ($p < 0,0001$ per entrambi).

