

Oral poliovirus vaccine in management of recurrent aphthous stomatitis

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Abstract

Oral poliovirus vaccine (OPV) is reported to be effective in treatment of recurrent herpes simplex (RHS). According to our observation during recent years, OPV was not only effective in management of RHS but also in some patients with concomitant recurrent aphthous stomatitis (RAS) reducing its severity and frequency. The purpose of this study was to evaluate the efficacy of OPV in the management of RAS. In a longitudinal, case - control study 48 patients with RAS were recruited. Twenty patients received OPV and 28 patients received placebo. OPV was administered in a dose of 4 drops at monthly intervals for 6 months to the study group while the control group received placebo. The results were registered in 6 months after the last dose. Eight cases (33%) in the OPV group showed significant reduction in the duration of the ulcers, while no change was seen in the control group ($P = 0.048$). The frequency of recurrence of RAS was reduced in 12 cases (50%) in the OPV group, and in 6 cases (21.4%) of the placebo group ($P = 0.006$). The severity of attacks was reduced in 12 cases (50%) in the OPV group and in 4 cases (14.3%) in the placebo group ($P = 0.008$). In conclusion OPV appeared to be effective in the management of RAS. © 2018 Akadémiai Kiadó.

Reaxys Database Information

Author keywords

Aphthous; Oral polio vaccine; Stomatitis

Indexed Keywords

EMTREE drug terms: oral poliomyelitis vaccine; placebo

EMTREE medical terms: adolescent; adult; aphthous stomatitis; article; case control study; clinical trial; controlled clinical trial; controlled study; female; hospitalization; human; longitudinal study; male; prospective study; randomized controlled trial; recurrent disease

MeSH: Adolescent; Adult; Case-Control Studies; Female; Humans; Longitudinal Studies; Male; Placebos; Poliovirus Vaccine, Oral; Prospective Studies; Recurrence; Severity of Illness Index; Stomatitis, Aphthous

Medline is the source for the MeSH terms of this document.

Species Index: Herpes; Poliovirus

Chemicals and CAS Registry Numbers: Placebos; Poliovirus Vaccine, Oral

ISSN: 1589-9000 **Source Type:** Journal **Original language:** English

DOI: 10.1007/AMicr.66.2018.3.0 **PubMed ID:** 30000988 **Document Type:** Article