

Abstract

A double blind, prospective trial of topical ciprofloxacin versus normal saline solution in the treatment of otorrhoea

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The clinical and bacteriological efficacy of topical ciprofloxacin in saline solution and a saline solution without antibiotics, for the treatment of otorrhoea, was assessed. Fifty affected ears which had an acute exacerbation of chronic otitis media with tympanic membrane perforation were included in this study. Only 35 ears completed the study. Both medications were randomly given to patients. Therapeutic efficacy was evaluated on the seventh day of treatment. A favourable clinical response was observed in 89.5% of the ciprofloxacin-treated group and in 43.8% of the saline-treated group, respectively ($P < 0.005$). Bacteriological eradication was also observed to be higher in the ciprofloxacin-treated group ($P < 0.005$). From these preliminary results, topical ciprofloxacin appears to be effective in curing the acute phase of chronic otitis media.