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Effects of Helicobacter pylori eradication on chronic idiopathic urticaria

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Abstract

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Background: Chronic idiopathic urticaria is defined as urticaria, which lasts for more than 8 weeks and has no apparent etiology. The aim of this study was to examine the causal role of Helicobacter pylori infection in chronic idiopathic urticaria. Methods: Fifty-six patients with chronic idiopathic urticaria and a negative response to skin prick test for common aeroallergens were selected. They were examined for H pylori infection using a serologic test and urea breath test, and were divided into three groups. The first group included H pylori-positive patients (n=23), who did receive eradication regimen for two weeks. The second group comprised of H pylori-positive patients (n=15), who did not have the indications for anti H pylori treatment, and were not treated. The third group included H pylori-negative patients (n=18), who received no treatment. The patients were studied for signs and severity of urticaria. Results: In the first group, urticaria improved partially and completely in 74% (n=17) of cases. In the second group, urticaria did not improve in 60% (n=9), and improved partially in 40% (n= 6) of cases. In the third group, urticaria did not improve in 61% (n=11), and improved partially in 39% (n=7) of cases. Patients, who had a higher titer of urea breath test and longer period of symptomatic urticaria, had better response than the others. Conclusion: The findings suggest that anti-H Pylori treatment is significantly effective in the treatment of chronic idiopathic urticaria. H Pylori eradication can be suggested as a method for treating urticaria, if the urea breath test is positive.

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Author keywords

Breath test; Helicobacter pylori; Urticaria

Indexed Keywords

EMTREE drug terms: amoxicillin; bismuth; furazolidone; metronidazole; omeprazole

EMTREE medical terms: adult; article; blood analysis; chronic urticaria; controlled study; drug efficacy; female; Helicobacter infection; Helicobacter pylori; human; major clinical study; male; prick test; treatment failure; treatment outcome; urea breath test

Chemicals and CAS Registry Numbers: amoxicillin, 26787-78-0, 34642-77-8, 61336-70-7; bismuth, 7440-69-9; furazolidone, 67-45-8; metronidazole, 39322-38-8, 443-48-1; omeprazole, 73590-58-6, 95510-70-6

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