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Current views of the **1** relationship between *Helicobacter pylori* and Henoch-Schonlein purpura in children

Li-Jing Xiong, Meng Mao

Abstract

Helicobacter pylori (*H. pylori*) is one of the factors involved in the pathogenesis of various gastrointestinal diseases and may play a potential role in certain extra-intestinal diseases. *H. pylori* infection are mainly acquired during childhood, and it has been reported that in endemic areas of China the infection rates are extraordinarily higher in HSP children, particular those with abdominal manifestations. Furthermore, eradication therapy may ameliorate HSP manifestations and decrease the recurrence of HSP. Therefore, results suggested that detection of *H. pylori* infection by appropriate method ought to be applied in HSP children. Current evidences indicate that local injury of gastric mucosa and immunological events induced by *H. pylori* infection are involved in the development of HSP. Increased serum IgA, cryoglobulins, C3 levels, autoimmunity, proinflammatory substances and molecular mimicry inducing immune complex and cross-reactive antibodies caused by *H. pylori* infection might play their roles in the course of HSP. However, there are no investigations confirming the causality

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