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## Effect of probiotics on treatment of helicobacter pylori in Iranian children for five years (2012-2017)

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**Introduction:** According to the useful effect of probiotics on safety of alimentary tract, we decided to study them for eradication of H. pylori in our pediatric patients.

**Materials & Methods:** We have chosen 100 patients with ages between 7-18 years. We have followed a differentiated randomized study and divided them into two groups of similar numbers. Group 1 was with standard triple therapy and Group 2 with standard triple therapy plus probiotic for 14 days (Triple therapy: PPI, amoxicillin, claritromycine and Probiotic: Saccharomyces boulardii). After one month of treatment, we have found success range of treatment in Group 1 (70.8%) and Group 2 (89.9%) by UBT test without any side effects. The method of our study was clinical and experimental; analyzed our data by SPSS and Epi-info 2000, SAS ( $P>0.005$ ).

**Results:** According to our study, there was significant difference between two groups about success range of treatment of H. pylori in children.

**Conclusion:** According to recent studies about effect of probiotics documented that they are safe and useful in alimentary tract. Our study showed that probiotics are useful for eradication of the common parasite of human gastroenteric system (Helicobacter pylori). But for better results, more investigation is needed.

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