

## عنوان مقاله:

Helicobacter pylori infection is associated with anemia in pregnant women- a meta-analysis study

## محل انتشار:

فصلنامه میکروب شناسی پزشکی ایران, دوره 10, شماره 1 (سال: 1395)

تعداد صفحات اصل مقاله: 7

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## خلاصه مقاله:

Background and Aim: Recent studies were tested possible role of Helicobacter pylori in iron deficiency anemia in pregnant women but the results of these studies have been different. Therefore, this study aimed to determine the association between H. pylori infection and iron deficiency anemia in pregnant women using meta-analysis. Materials and methods: This study was meta-analysis done based on data bases included: Scopus, PubMed, Science Direct, ProQuest, Cochrane, EMBASE, Web of Science, Springer, Online Library Wiley, Chemical Abstracts, EBSCO as well as the Google Scholar search engine in the period ۱۹۹۰ to ۲۰۱۶ by two independent researchers using standard keyword. Then all articles with inclusion criteria were examined. The data were analyzed by using random effects model Meta-analysis method and with the software Stata Ver.۱۱.۱. Results: ۷ eligible studies with a sample size of ۲۱۱۵ patients were examined. The relationship between H. pylori and iron deficiency anemia in pregnant women was statistically significant and odds ratio (OR) ۱.۸۲ (CI: ۹۵%, ۱.۴۳-۲.۳۰) was estimated. In ۳ study Investigated the relationship of H. pylori associated with hemoglobin and serum ferritin levels found H. Pylori is effective in reducing these two variables and the association was statistically significant ( $P < 0.05$ ). Conclusion: H. pylori plays a role in the etiology of anemia in pregnant women and recommended all anemic pregnant women be checked of H. pylori

## کلمات کلیدی:

Helicobacter pylori, Anemia, Pregnant women, Meta-analysis  
متاآنالیز, آنمی, زنان باردار,

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