Relationship between polymorphism in promoter Region of E-Cadherin (CDH1) Gene and Helicobacter Pylori infection in Kurdish Population of Iran

Abbas Ahmadi, Farid Zandi, Alireza Gharib, Neda Menbari, Javad Hosseini, Mohammad Abdi, Akbar Jalili and Mohammad Nazir Menbari

Abstract:

Infection with Helicobacter Pylori (H.pylori) in addition to inflammation in gastric mucosa and much mortality may progress to gastric cancer. Gastric cancers like many other cancers have a multistage process and cause obvious changes in environmental, genetic and epigenetic factors. Polymorphism in promoter region of CDH1 gene has been associated with reduced E-cadherin protein expression. It has been proposed that H.pylori infection may cause multiple nucleotide changes in CDH1 gene.