



## Helicobacter pylori and enteric parasites co-infection among Egyptian children: Estimated risks, and predictive factor

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### Abstract:

H.pylori and intestinal parasites are known for their high prevalence in children. Both of them infect the gastrointestinal tract with overlapping clinical pictures. This study was conducted to determine H.pylori prevalence and its association with intestinal parasites in children, moreover to estimate risk and predictive factors for their detection in stool samples. Single fecal samples were collected from 226 Egyptian pediatric patients (125 diarrheic and 101 non-diarrheic) attending gastroenterology outpatients??? Clinics from February 2016 to June 2017. All stool specimens were microscopically examined to search for ova and parasites. Copro-DNAs detection of H.pylori and Cryptosporidium were performed using nested-PCR assays. H. pylori was detected molecularly in 36.8% of the total study population,

with a higher prevalence in diarrheic than in non-diarrheic children. Intestinal parasites were detected in 27.4% of the total study population, of these, 43.9% had co-existence with H.pylori colonized patients and was significantly associated with Cryptosporidium spp. and G.intestinalis. Estimated risk of the presence of H.pylori in January. Our data provide a better understanding of the epidemiology of H.pylori infection when associated with intestinal parasites. H.pylori co-existence with G.intestinalis and Cryptosporidium may suggest the association of H.pylori infection with markers of fecal exposure. Whether H.pylori provides favorable conditions for intestinal parasitosis or vice versa, still further investigations are needed with an emphasis upon determining correlation with gut microbiomes.

### Biography:

Motivated student currently working towards degree in molecular biology (molecular genetics and cytogenetics). Adept at prepping resources, equipment, and materials for research. Extensive background in investigating molecular parasitology and microbiology. Seeking to secure rewarding Research Assistant role to facilitate Research for thesis. Efficient Research Assistant able to complete a wide range of support tasks under strict schedules. Systematic and meticulous in all work. Eager to contribute to infectious diseases research. Skilled Research Assistant knowledgeable about conventional PCR, Real time PCR and Elisa.