

Detection of helicobacter pylori infection with stool antigen: comparison with other techniques

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Abstrak

Helicobacter pylori has been known as a cause of chronic gastritis, a predisposition to gastric and duodenal ulcers, and a class I gastric carcinogen. Throughout the world, H. pylori infection is very common, reaching 40% -50% of the population in developed nations and 80% - 90% of the population in developing nations. Several techniques have been used to detect H. pylori infection, such as the urea breath test, rapid urease test, serological test, as well as biopsies of gastric or duodenal tissues for culture and histopathology. In this review article, we will discuss a relatively new method to detect H. pylori antigen in stools with enzyme immunoassay, and comparisons with other standard techniques. However, the H. pylori stool antigen test is not yet commercially available in Indonesia.