

## **Abstract**

This poster provides current research evidence on *Helicobacter Pylori* pathophysiology, treatment guidelines, and the potential etiology of associated disorders. The purpose is to provide a detailed overview of the functional changes within the intestinal cells caused by the microorganism. Furthermore, explaining of the mechanism and clinical manifestations of symptoms. The research focuses on risk factors, transmission, diagnostic evaluation, and the implications for nursing care. The best-available evidence offers concrete data examining the detrimental effects of the immune and inflammatory response stimulated by *H. pylori*. A description of the functional structures of *H. pylori* and its' ability to survive. The research provides evidence of the value of eradication of this pathogen. There is considerable evidence to encourage providers to increase surveillance of *H. pylori*. Finally, offering information to providers to expand their knowledge on the influence *H. pylori* has on the human body.

Keywords: *Helicobacter pylori*, *H. pylori*, pathophysiology, gastritis, ulcer, gastric adenocarcinoma