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Veterinarni Medicina

Eradication of gastric *Helicobacter* spp. by triple therapy in dogs

Mirzaeian S, Sarchahi AA, Shojaee Tabrizi A, Derakhshandeh A:

Veterinarni Medicina, 58 (2013): 582-586

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The aim of this study was to determine the efficacy of a triple anti-*Helicobacter* therapy using omeprazole, amoxicillin and clarithromycin (OAC) in dogs. A total of 15 healthy adult stray dogs with naturally acquired *Helicobacter* infection were evaluated using polymerase chain reaction and rapid urease test.

Subsequently, they received a 21-day triple regimen. One day after the discontinuation of treatment, a second molecular analysis of gastric biopsies revealed complete eradication of *Helicobacter* DNA with negative quantitative urease testing in all 15 dogs. Our results confirmed the high prevalence of gastric *Helicobacter*-like

population of Shiraz, Iran, and the effectiveness of our therapeutic regimen for the complete eradication of these microorganisms in stray dogs. In conclusion, for the complete elimination of non-*pylori Helicobacter* spp. from the gastric mucosa of dogs, a 21-day three-drug regimen with omeprazole, amoxicillin and clarithromycin is suggested.

Keywords:

Helicobacter spp.; dog; amoxicillin; clarithromycin; omeprazole

[[fulltext](#)]

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