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Original Article

Epidemiological study of gastric *Helicobacter* spp. in dogs with gastrointestinal disease in Japan and diversity of *Helicobacter heilmannii* sensu stricto

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Highlights

- *Helicobacter heilmannii* s.s. was the predominant gastric *Helicobacter* sp. in dogs with gastrointestinal diseases in Japan.
- *H. heilmannii* s.s. obtained in this study were diverse.
- *H. heilmannii* s.s. may be associated with moderate to severe gastritis in dogs in Japan.
- *Helicobacter pylori* infection was found in one case, representing the second report in a dog.
- A novel *Helicobacter* sp. may be present in canine stomachs in Japan.

Abstract

Epidemiological and pathological studies of *Helicobacter* spp. in canine stomachs in Japan were performed to investigate strain specific pathogenicity. Gastric biopsies from 144 dogs with gastrointestinal diseases were evaluated for the presence of *Helicobacter* spp. using genus and species specific PCRs for *Helicobacter felis*, *Helicobacter bizzozeronii*, *Helicobacter heilmannii* sensu stricto

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