

## Accepted Manuscript

Title: Presence of *Helicobacter* and *Campylobacter* species in faecal samples from zoo mammals

Authors: C. De Witte, C. Lemmens, B. Flahou, P. De Laender, T. Bouts, F. Vercammen, R. Ducatelle, A. Smet, F. Haesebrouck



PII: S0378-1135(17)31425-6  
DOI: <https://doi.org/10.1016/j.vetmic.2018.04.014>  
Reference: VETMIC 7939

To appear in: *VETMIC*

Received date: 4-12-2017  
Revised date: 9-4-2018  
Accepted date: 10-4-2018

Please cite this article as: De Witte C, Lemmens C, Flahou B, De Laender P, Bouts T, Vercammen F, Ducatelle R, Smet A, Haesebrouck F, Presence of *Helicobacter* and *Campylobacter* species in faecal samples from zoo mammals, *Veterinary Microbiology* (2018), <https://doi.org/10.1016/j.vetmic.2018.04.014>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Presence of *Helicobacter* and *Campylobacter* species in faecal samples from zoo mammals**

De Witte C.\*<sup>1</sup>, Lemmens C.\*<sup>1</sup>, Flahou B.<sup>1</sup>, De Laender P.<sup>2</sup>, Bouts T.<sup>3</sup>, Vercammen F.<sup>4</sup>, Ducatelle R.<sup>1</sup>, Smet A.<sup>o5</sup>, Haesebrouck F.<sup>o1</sup>

\* Both authors equally contributed

o Shared senior authorship

<sup>1</sup> Department of Pathology, Bacteriology and Avian Diseases, Faculty of Veterinary Medicine, Ghent University, Belgium; <sup>2</sup> Boudewijn Seapark, Brugge, Belgium; <sup>3</sup> Pairi Daiza, Brugelette, Belgium; <sup>4</sup> Zoo Antwerp, Antwerp, Belgium; <sup>5</sup> Laboratory of Experimental Medicine and Pediatrics, Faculty of Medicine and Health Sciences, Antwerp University, Antwerp, Belgium

Corresponding author: De Witte Chloë, chloe.dewitte@ugent.be, Tel: +32(0)9 264 7435, Fax: +32(0)9 264 7494

**Highlights**

- Known and unknown *Campylobacter* and *Helicobacter* spp. are present in zoo mammals
- *Campylobacter insulaenigrae* is present in sea lions and seals on European mainland
- Potential novel enterohepatic *Helicobacter* spp. are present in zoo mammals

**Abstract**

*Helicobacter* and *Campylobacter* species (spp.) colonize the gastrointestinal tract of various domesticated animals. Apart from their pathogenic significance in animals, several species are of zoonotic importance as well. For most non-domesticated animal

Download English Version:

<https://daneshyari.com/en/article/8505385>

Download Persian Version:

<https://daneshyari.com/article/8505385>

[Daneshyari.com](https://daneshyari.com)