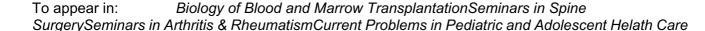
## **Accepted Manuscript**

Prevalence and Characterization of Quinolone Resistance Genes in Proteus Species Isolated From Pet Turtles

HNKS Pathirana BSc , Gee-Wook Shin PhD , SHMP Wimalasena BSc , BCJ De Silva BSc , Sabrina Hossain MS , Gang-Joon Heo PhD, DrVetMed

PII: S1557-5063(17)30133-7 DOI: 10.1053/j.jepm.2017.10.026

Reference: JEPM 804



Received date: 28 April 2017
Revised date: 4 September 2017
Accepted date: 8 October 2017

Please cite this article as: HNKS Pathirana BSc, Gee-Wook Shin PhD, SHMP Wimalasena BSc, BCJ De Silva BSc, Sabrina Hossain MS, Gang-Joon Heo PhD, DrVetMed, Prevalence and Characterization of Quinolone Resistance Genes in Proteus Species Isolated From Pet Turtles, *The Endto-end Journal* (2018), doi: 10.1053/j.jepm.2017.10.026

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.



## ACCEPTED MANUSCRIPT

Original full length article

# Prevalence and Characterization of Quinolone Resistance Genes in *Proteus* Species Isolated From Pet Turtles

HNKS Pathirana BSc, Gee-Wook Shin, PhD, SHMP Wimalasena, BSc, BCJ De Silva, BSc,

Sabrina Hossain, MS, Gang-Joon Heo PhD, DrVetMed

HNKS Pathirana, BSc Gee-Wook Shin, PhD SHMP Wimalasena, BSc BCJ De Silva, BSc Sabrina Hossain, MS Gang-Joon Heo, PhD, DrVetMed

From the College of Veterinary Medicine, Chungbuk National University, Republic of Korea

Address correspondence to Gang-Joon Heo, PhD, DrVetMed, Veterinary Medical Center, Laboratory of Aquatic Animal Medicine, College of Veterinary Medicine, Chungbuk National University, Chungdae-ro 1, Seowon-gu, Cheongju, Chungbuk 28644, Republic of Korea. Email address: giheo @chungbuk.ac.kr

#### **Abstract**

*Proteus* spp. are widely recognized as opportunistic pathogens causing urinary tract and septic infections in humans and animals. The aim of this study was to investigate the prevalence of plasmid-mediated quinolone resistance (PMQR) genes and mutations in quinolone resistance determining region (QRDR) in association with the detection of quinolone susceptibility of 24 strains of pet turtle-borne *Proteus* spp. Susceptibility of four antimicrobials including nalidixic acid, ciprofloxacin, ofloxacin, and levofloxacin was

## Download English Version:

# https://daneshyari.com/en/article/10143126

Download Persian Version:

https://daneshyari.com/article/10143126

<u>Daneshyari.com</u>