

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](https://doi.org/10.1053/j.jepm.2017.10.026)
Reference: JEPM 804



To appear in: *Biology of Blood and Marrow Transplantation Seminars in Spine Surgery Seminars in Arthritis & Rheumatism Current Problems in Pediatric and Adolescent Health Care*

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 End-to-end Journal* (2018), doi: [10.1053/j.jepm.2017.10.026](https://doi.org/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.

Original full length article

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

HNKS Pathirana¹ BSc, Gee-Wook Shin, PhD, SHMP Wimalasena, BSc, BCJ De Silva, BSc,

Sabrina Hossain, MS, Gang-Joon Heo¹ PhD, DrVetMed

HNKS Pathirana¹ 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>

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