

**BIOMEDICAL & VETERINARY SCIENCES
GRADUATE PROGRAM**



ANNOUNCES

The Master of Science Seminar and Examination
of

Mari Waterman

**“Pharmacokinetic evaluation of
 β -blockade associated with atenolol in
healthy dogs”**

Monday, July 30, 2018

1:00 pm

VMIA Classroom 220

Bio



Mari Waterman is originally from the West Coast. She did her undergraduate and veterinary school at Cornell University. Then, she did 2 private practice internships. Her cardiology residency and master coursework were performed at Virginia-Maryland College of Veterinary Medicine. She has been working at VCA Advanced Veterinary Care Center in Los Angeles, CA since graduation.

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VMCVM Office of Research and Graduate Studies

Lay Language Abstract

This thesis was designed to test the effects of the drug atenolol on heart rate in dogs. We used 20 dogs that were given oral capsules in both a placebo and atenolol phase of the experiment. We controlled for outside variables and made sure that operators did not know which treatment was given to a dog. Placebo dogs had a high heart rate response to the drug isoproterenol whereas atenolol treated dogs had a statistically significant lower heart rate response compared to placebo over a 24 hours period of time. The difference between treatments was small after 24 hours and further work is needed to determine the optimum frequency of dose administration.

Publications

Waterman, M. and Abbott, J (2013), Novel Coronary Artery Anomaly in an English Bulldog with Pulmonic Stenosis. J Vet Intern Med, 27:1256-1259.doi:10.1111/jvim.12142

Presentations

ACVIM 2012 – “Duration of β -blockade associated with repeated once-daily administration of atenolol in healthy dogs”

Resident Seminars 2011-2013 – VMCVM

Awards and Academic Achievements

Cardiology Residency Virginia-Maryland College of Veterinary Medicine 2013

Internship Animal Surgical and Emergency Center 2009

Internship VCA Veterinary Specialty Center of Seattle 2008

DVM from Cornell University 2007

Examination Graduate Committee

Major Advisor/Chair

Jonathan Abbott, DVM, DACVIM (Cardiology)
Associated Professor Cardiology
Department of Small Animal Clinical Sciences

Graduate Advising Committee Members:

Jeff Wilcke, DVM, MS, DACVCP
Metcalf Professor of Veterinary Medical Informatics
Veterinary Medical Informatics and Clinical Pharmacology

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