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September 10, 2012

C. Thomas Taylor
CEO & General Manager
Tucson Greyhound Park
2601 S. Third Avenue
Tucson, AZ 85713

Dear Mr. Taylor:

Thank you for your inquiry regarding the use of testosterone in female racing greyhounds. I am glad to respond to your question.

Although this topic has not been extensively covered in scientific literature, I can speak with some authority from a practical perspective, having had considerable experience in the area of greyhound health.

There is absolutely no clinical evidence that the use of testosterone to delay estrus in female racing greyhounds is harmful to the dogs when given at the right dosage. Racing dogs that receive this treatment remain healthy, perform well, and experience no difficulty returning to their normal reproductive status when their racing careers are over.

This topic is addressed in the internationally recognized greyhound care textbook, "The Care of the Racing and Retired Greyhound." In that text, which is widely considered the Bible of greyhound health, Linda Blythe, DVM/PhD writes, "Preventing a greyhound female from cycling actually prevents damage to her musculoskeletal system and keeps her from injuring herself." The textbook notes that male hormones also are regularly used to prevent estrus in show dogs and hunting dogs.

Racing Commissioners International (RCI), the global organization representing racing regulators, also has recognized the safety and benefits of using male hormones to prevent estrus in female dogs, and has adopted the following rule:

"Under guidelines established for a licensed, attending veterinarian, a female greyhound may be administered a nominal monthly

dose of a male hormone for the purpose of preventing the process of coming into season."

Based on my own veterinary expertise as well as the references cited here, I am confident that you do not place the health and welfare of female racing greyhounds at risk by administering male hormones to prevent estrus during their racing years.

Please feel free to contact me if I can be of further assistance.

Sincerely,

A handwritten signature in black ink, appearing to read 'Brad Fenwick', with a stylized, cursive script.

Bradley Fenwick, DVM, MS, PhD, DACVM
Professor of Pathobiology

Brad Fenwick, DVM, MS, PhD, DACVM



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Education

- B.S. (Biology) Kansas State University
- D.V.M, Kansas State University
- M.S., (Pathology) Kansas State University
- Ph.D., (Comparative Pathology) University of California, Davis
- Residency (Diagnostic Pathology) University of California, Davis

Board Certification

- Diplomate, American College of Veterinary Microbiology

Professional Experience

- Vice Chancellor for Research and Engagement, University of Tennessee
- Vice President for Research, Virginia Tech
- Chief Science Advisor/Chief Scientist – CSREES / USDA
- American Council on Education – Fellow, University of California, Davis
- Associate Dean of the Graduate School, Kansas State University
- Associate Department Head, Veterinary Medicine, Kansas State University
- Associate and Full Professor, Kansas State University
- Assistant Professor, University of Florida
- Affiliate Pathologist, California Primate Research Center
- Instructor, Kansas State University

Recognitions and Honors (selected)

- Beecham Award for Research Excellence
- Senior Faculty Fellow, Office of Naval Research
- Distinguished Visitor Award - Australian Department of Primary Industries.
- Sigma Xi - Outstanding Scientist Award
- Yarborough Award, International Canine Sports Medicine Symposium
- Fellow, American Council on Education
- Distinguished Service Award, Kansas Veterinary Medical Association
- Distinguished Alumni Award, University of California - Davis
- Fellow, American Association for the Advancement of Science

Professional Societies

- American Veterinary Medical Association
- Kansas Veterinary Medical Association
- American Association of Swine Practitioners
- Charles Davis Veterinary Pathology Foundation
- American Association of Veterinary Immunologists
- Conference of Research Workers in Animal Disease
- International Association for Aquatic Animal Medicine
- American College of Veterinary Microbiology
- American Society for Microbiology
- American Association for the Advancement of Science
- Sigma Xi
- Phi Kappa Phi
- Phi Zeta

Teaching Experience

- General and Specific Pathology (Renal, Respiratory, Cardiovascular)
- Immunology
- General and Medical Bacteriology
- Histology
- Wildlife Diseases

Clinical / Service Interests

- Diagnostic Pathology
- Clinical Microbiology

- Infectious Diseases
- Evidence Based Medicine

Research Interests

- Pathogenic mechanism of infectious diseases of animals and humans
- Diagnostic test, treatment, and vaccine development
- Higher education leadership and organizational management

Patents

- Method of Culturing *Moraxella bovis* in Low Available Iron Media and Production of Infectious Bovine Keratoconjunctivitis Vaccine Therefrom. U.S. Patent No. 5,766,607.
- Swine Immunization Using Live, RTX toxin-secreting organisms. U.S. Patent No. 5,908,630.
- Methods of Treating Cataracts and Diabetic Retinopathy with Tricyclic Pyrones. U.S. Patent No. 6,916,824.
- Kennel Cough Vaccine. U.S. Patent No. 10,867,532.

Selected Publications

- [Selected Works of Brad Fenwick](#)