

20th Global Summit & Expo on
VACCINES, IMMUNIZATION & B2B & International Conference & Expo on
CLINICAL VIROLOGY AND INFECTIOUS DISEASES
September 18-19, 2017 Houston, USA

Update on Canine Influenza in the USA – A One Health Perspective

Jay Tischendorf

Merck Animal Health, USA

This presentation will provide an overview of canine influenza in the USA. A comparison with human flu and other aspects of One Health and epidemiology will be discussed. Influenza infects many species beyond Man. Because of this, along with its widespread occurrence, adaptability, potential virulence, and many other characteristics, Influenza is arguably the most dangerous disease on earth. In dogs in the USA, 2 pathogenic strains – H3N8, derived from the horse, and H3N2, derived from birds – have been documented. The stories behind their origin and confirmation are fascinating and may have application to the human realm. Notably, just prior to Hurricane Harvey's hit, Houston was in fact in the throes of a dog flu outbreak. Fortunately, vaccines for both flu strains now exist. These vaccines, approved by the US Department of Agriculture, are of the killed virus type. In addition to these vaccines, an increasing number of animal health laboratories are able to reliably test for, identify, and type this virus. Both factors will aid in controlling, or ideally eradicating, canine flu in the USA.

Biography

Dr. Tischendorf holds a BS degree in Zoology from Ohio University and a Doctor of Veterinary Medicine and Biomedical Sciences (DVM) degree from Colorado State University. He serves as a regional veterinarian with Merck and is based in the Houston area. His special interests include emerging and zoonotic disease, anesthesiology, dermatology, and animal cruelty forensics and investigations. Prior to becoming a DVM he worked as an endangered species biologist and wildland firefighter. In his free time he trains natural resource professionals on wildlife tracking and immobilization. He is a former Marine and has lived in roughly 15 states over the course of his careers.

Jay_Tischendorf@merck.com

Notes: