

## **The One Medicine Concept: Historical Perspective of Veterinary Medicine and Public Health**

**Presenter:** John Hicks, Food and Drug Administration

**Session:** Oral

**Date/Time:** Monday, April 23; 4-5PM

The "One Medicine Concept," coined by Dr. Calvin Schwabe, is defined as the study of health and disease regardless of species differences between human and animals. It focuses attention on the commonality of human and veterinary medicine. Veterinarians, particularly those trained in public health, have expertise in zoonotic and emerging infectious diseases; food safety and production; food security; environmental health; agro- and bio-terrorism; antibiotic resistance; and animal and human disease surveillance, prevention, and control programs. Our broad comparative medical training and environmental health perspective offer critical insights to resolving a broad spectrum of public health issues.

The application of veterinary medical expertise towards addressing public health issues is examined in a review of the history of medicine, beginning with ancient civilizations (i.e., India, Egypt, Babylonia, and Greece) and continuing through the milestones in the history of modern veterinary medicine.

### **Biography:**

Dr. Hicks is a Risk Assessment Project Manager, Risk Assessment Coordination Team (RACT), within the Office of Food Defense, Communication & Emergency Response (OFDCER), Center for Food Safety and Applied Nutrition (CFSAN), U.S. Food and Drug Administration. The RACT provides the Agency and Center with leadership and coordination of critical multidisciplinary, interdisciplinary food safety risk analysis activities, enhancing the center's science-based risk management decisions. He is a member of the Interagency Workgroup-Section 313 BT Act, Surveillance of Zoonotic Diseases; member of the 2005 FDA Science Forum Planning Committee; and a member of the Interagency Working Group on Transborder Movement of Research Materials. Dr. Hicks is a 1979 graduate of the School of Veterinary Medicine, Tuskegee University. He completed specialty training in laboratory animal medicine while serving as a fellow at Stanford University and as a resident at the University of California at Davis. In 2001, he received his Masters of Public Health degree from Johns Hopkins University's Bloomberg School of Public Health. Dr. Hicks has completed specializing training in risk analysis, receiving a Certificate in Risk Sciences and Public Policy from Johns Hopkins along with a Food Safety Risk Analysis Core Program Certificate from the Joint Institute for Food Safety and Applied Nutrition, University of Maryland/U.S. FDA.

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