

**BIOMEDICAL & VETERINARY SCIENCES
GRADUATE PROGRAM**



ANNOUNCES

The Doctor of Philosophy Seminar and Examination of

Dr. Naree Ketusing (DVM, MSc)

**“Assessment of Foot and Mouth Disease (FMD)
Control Policies and Their Implementation in the
Proposed FMD-free zone in Thailand”**

Tuesday, February 25, 2020

9:00 am

VMIA 220

Bio



Dr. Naree Ketusing has joined the Biomedical and Veterinary Sciences program of Virginia-Maryland College of Veterinary Medicine since 2015, focused on veterinary public policy. Dr. Naree has served as a veterinarian medical officer of the Department of Livestock Development of Thailand. She has experiences on animal disease prevention and control as well as viral disease diagnosis. She is very engaged in livestock trade facilitation and negotiation. She developed several agreements between Thailand and trading partner countries to make sure that all parties gain equal benefits.

Dr. Naree received her DVM from the Chulalongkorn University, Thailand in 2007. She also completed her Master defense in veterinary epidemiology at Colorado State University in 2010. Her passion is to improve quality of Thai farmers' lives by expanding international livestock trade and also to promote Veterinary Services in Thailand and Southeast Asia region as well.

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Lay Language Abstract

Foot and Mouth Disease is a highly contagious and the most economically important infectious viral disease of livestock. The disease exists in Thailand and interrupts livestock trade through the loss of access to international markets. The Department of Livestock Development (DLD) within the government of Thailand has proposed to make the eastern region of Thailand an officially recognized FMD-free zone with vaccination in order to advance market access and trade facilitation. In order to be an official FMD-free zone, the proposed FMD-free zone (eastern region of Thailand) needs to be evaluated by experts within the World Organization for Animal Health (OIE) and must meet all requirements of the OIE standard for this certification.

The current FMD control program in Thailand has been implemented since 2015. There has not been an evaluation to determine the effectiveness and appropriateness of the program. This study aims to evaluate the design and implementation of the current FMD control program in the eastern region of Thailand.

This study, first, developed an evaluation framework and assessment tools for use in the evaluation of the FMD control policies in Thailand and their implementation in the eastern region of Thailand. Then, the design of the current FMD control policies and their implementation were evaluated. The assessment found that the design of the current FMD control system is

appropriate and meets the OIE's requirements. However, the current implementation of the FMD control program needs further improvement.

This study also proposes recommendations to the DLD in order to enhance and improve the FMD control system in the eastern region of Thailand to be recognized as an FMD-free zone by the OIE.

Publications

N. Ketusing, S. Premashthira, J. Hodgson, K. Hult & V. Ragan. Development of an evaluation framework and assessment tools to assess the Foot and Mouth Disease (FMD) control policies and their implementation in the proposed FMD-free zone in Thailand. Rev. Sci. Tech. Off. Int. Epiz.

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Accepted for reviewing process: August 29, 2019

Presentations

N. Ketusing, J. Hodgson, K. Hult, S. Premasthira, V. Ragan. Development of a conceptual framework and assessment tools to assess the Foot and Mouth Disease (FMD) control policies and their implementation in the proposed FMD-free zone in Thailand. The 2019 35th Graduate Student Association Research Symposium, Blacksburg, VA, March 2019

N. Ketusing, J. Hodgson, K. Hult, S. Premasthira, V. Ragan. Development of a conceptual framework and assessment tools to assess the Foot and Mouth Disease (FMD) control program in the proposed FMD-free zone in Thailand. The 15th International Symposium of Veterinary Epidemiology and Economics, Chiangmai, Thailand, November 2018.

Awards and Academic Achievements

- The P.E.O. International Peace Scholarship (IPS) 2016

- The P.E.O. International Peace Scholarship (IPS) 2017
- Summer Institutes in Statistics and Modelling in Infectious Disease (SISMID) Scholarship, University of Washington (2016)

Examination Graduate Committee

Major Advisor/Chair:

Dr. Valerie Ragan (DVM)
Director, Center for Public and Corporate Veterinary Medicine
Associate Professor of Practice
Department of Population Health Sciences

Graduate Advising Committee Members:

Dr. Jennifer Hodgson (BVSc, PhD, MRCVS, Diplomate ACVM)
Professor, Microbiology
Associate Dean for Professional Programs
Department of Population Health Sciences

Dr. Karen Hult (PhD)
Professor
Department of Political Science

Dr. Sith Premashthira (DVM, MSc, PhD)
Veterinarian, Senior Professional
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