

# 赴日本動物衛生研究部研習「高病原性豬生殖與呼吸綜合症之診斷與防治技術」之出國報告

豬瘟研究組

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## 摘要

高病原性豬生殖與呼吸綜合症為重要跨國界豬隻傳染病，自 2006 年於中國爆發以來，已漫延至許多東南亞國家，且對爆發國家的豬隻生產系統造成極大傷害，為了解此病對豬隻之危害以及相關的診斷與防治技術，於本（105）年 8 月 4 日至 11 日期間，赴日本動物衛生研究部進行高病原性豬生殖與呼吸綜合症之診斷與防治技術之考察，於考察期間，需先接受日方之生物安全講習，之後，再跟隨高木道浩主任研究員之研究團隊進行高病原性豬生殖與呼吸綜合症之動物實驗、病理學檢查、病毒學檢測、血清學檢測與分子診斷等技術之研習。除了上述考察之項目外，也與高木道浩主任研究員就日本豬生殖與呼吸綜合症之疫情與防治技術進行交流。

**A report on the diagnosis and prevention of highly  
pathogenic porcine reproductive and respiratory syndrome  
in Japan National Institute of Animal Health**

Yu-Liang Huang, Ming-Chung Deng

**Abstract**

Highly pathogenic porcine reproductive and respiratory syndrome (HP-PRRS) is an importantly transboundary swine disease. Since 2006, the disease was spread into South Asia and damaged the pig productive system. In order to understand the harm, diagnosis and prevention of HP-PRRS in swine, Dr. Yu-Liang Huang and Ming-Chung Deng visited the Japan National Institute of Animal Health, learned the diagnosis and prevention of HP-PRRSV during the period from 4 August through 11 August, 2016. During this period, biosecurity training was firstly carried out. Dr. Tagaki provided this training course which covered the animal experiment, pathological examination, virus isolation, serological tests, and nucleic acid recognition methods of HP-PRRSV. Besides the HP-PRRSV training, the epidemiology and prevention of PRRS in Japan were also discussed.