

(Abroad) Domestic) Official trip report form (Student)

2014/10/23 (Year/Month/Day)

Name	Jeewan THAPA
Laboratory	Division of Bioresources, Research Center for Zoonosis Control
Year (Grade)	D2
Destination	Hanoi, Vietnam
Period of trip	October 13 to October 19, 2014
Purpose of trip	To attend the 7 <sup>th</sup> Asian Meeting on Zoo and Wildlife Medicine (ASZWM)/Conservation. (One-Health in Asia Pacific). The specific purposes is: <ul style="list-style-type: none"> <li>To present a poster entitled “Molecular characterization of <i>Mycobacterium orygis</i> isolates from wild animals of Nepal”.</li> </ul>

Summary of activities (about 800 words, provide photos, tables and figures that clearly show the activities during the period)

I reached Hanoi, Vietnam on October 13, 2014 at 10:15 PM. Next day on October 14, I joined Pre-congress workshop at Vietnam National University of Agriculture (Hanoi). The theme of this pre-congress workshop was “the significance of zoo and wildlife medicine (conservation medicine) in Asia”. This workshop was intended for students of Vietnam National University of Agriculture and three keynote lectures namely Importance of wildlife medicine from Prof. Tsubota of Hokkaido University, Introduction of zoo medicine from Dr. Martelli of Hong Kong and Application of wildlife medicine for the human society from Dr. Mizoguchi from Fukushima wildlife rehabilitation center, were delivered. After the conference in Hanoi, all the participants went to Tam Dao national park to attend the main conference. In the evening, opening ceremony was organized with the introduction of workshop, introduction of conservation medicine activities in Vietnam and nature of Tam Dao national park.



October 15 & 16 were the main days of the conference. The day of October 15 was started with keynote lectures from Dr. Pam Whiteley of University of Melbourne about general concept of conservation medicine, Dr. Yamamoto of Nagasaki University about history of infectious diseases and civilization: conquest or co-existence and Dr. Yamazaki of

Ibaraki nature museum about conservation medicine from ecology. These three keynote lectures covered different aspects of conservation medicine from human, veterinary and ecology perspectives. After these lectures, for two days, there were two parallel sessions covering different themes of conservation medicine:

- Welfare, management and conservation.
- Infectious diseases
- Pathology
- ASZWM-Wildlife Disease Association (WDA) joint session for Asian wildlife diseases surveillance: Rabies in wild animals.
- Zoo and aquarium veterinarian networking
- Asian elephant session
- Marine mammals session
- Bear session at Tam Dao Bear rescue center.



Team from Hokkaido University

I mainly attended welfare, management and conservation; infectious disease; Disease surveillance, Asian elephant and Bear sessions. I very much liked infectious disease and disease surveillance sessions where many emerging and re-emerging diseases of wildlife importance were discussed. Rabies was extensively discussed with examples from Korea and recent discovery from Taiwan. Other diseases were tick borne diseases, canine distemper, avian influenza in Vietnam, Mycobacteria and etc. The lecture on opportunistic and pathogenic Mycobacteria: Importance and systematic surveillance of Mycobacteriosis based on pathological diagnosis was very significant for me. In this lecture, Dr. Wada from Nagasaki University provided information on pathogenicity of Mycobacteria. He talked about how nonpathogenic Mycobacteria in the environment become pathogenic and underlined about genetic and pathogenic reconstitution within this mechanism. Since, I am also learning about Mycobacteria, knowing evolutionary secrets of Mycobacteria was of great importance for me.

I presented my poster entitled “Molecular characterization of *Mycobacterium orygis* isolates from wild animals of Nepal” on poster session on October 15. It was interesting for me because unlike other poster presentations, this time many people visited my poster. They were interested about the new member of *Mycobacterium tuberculosis* complex, *M. orygis* that we found in Nepal. Also, some people were interested about molecular techniques that we

used to characterize. They asked me to describe in detail about my poster, which I tried my best to explain. Since, tuberculosis (TB) was an emerging problem in wildlife; some people encouraged me to work on it further. I also visited other posters. Some of the posters from students from Japan, Korea, Taiwan and Indonesia were very interesting. A total of 56 posters of different themes as mentioned below were presented:

- Anatomy and physiology/ wildlife management and conservation
- Aquatic medicine
- Clinical medicine
- Infectious diseases
- Parasitology
- Pathology
- Primates and others



Fig: Poster sessions

During the closing ceremony, awards were distributed to best oral and poster presentation. In each session, three presentations were selected and I received “the excellent poster presentation award”.

On October 17 to 18, we attended ASZWM satellite “Vietnam biodiversity and ecology workshop” at Ha long Bay. This workshop was organized to provide information of Vietnam biodiversity and provide platform for networking with participants. I got opportunity to see and interact on various issues of conservation medicine mainly on infectious diseases with many peoples from different countries. Finally, I returned back to Japan on October 18 night and arrived on morning of October 19.

I found this workshop very important to know about different approaches of conservation medicine in Asia. I would like to sincere thank Leading office especially Prof. Horiuchi, Maki San, Hashimoto San and Prof Suzuki, Nakajima

sensei and Midori San for helping me to attend this conference and sincerely look forward to getting these opportunities in future.



Certificate of participation



Excellent poster presentation award

Approval of supervisor	Institution • Official title • Name : Hokkaido University Research Center for Zoonosis Control Professor Yasuhiko SUZUKI
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※1 Send the electronic file to the Leading School section, International Affairs Office, also submit the original print out with seal of supervisor to the Leading School section, International Affairs Office.

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