Pulmonary Infectious Diseases induced associated with Influenza and TB in Asia Countries



Saturday, January 18, 2014 09:30 - 18:00

Teikyo University Itabashi Campus 2F Meeting Room



鈴木和男 Kazuo Suzuki



Collaboration with Vietnam Team

Infectious Diseases Project

3 National Hospitals in Hanoi Hanoi Visit 2005-2013 (26 times)

Bachmai Hospital

バクマイ病院のQuy院長らとの協議



バクマイ病院のICU



バクマイ病院院内 のオフィス



National Hospital of Pediatrics

小児病院のLiem院長らとの協議



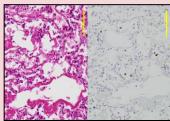
小児病院の病理研究室





小児病院での死亡例(ARDS)





National Institute of Infectious and Tropical Diseases

E所での死亡例 (ARDS)





NIHEの長崎大ラボ



e-ASIA JRP

From Jan. 1 2014-Dec.31, 2016

e-ASIA JRP

International study on pulmonary diseases infected with

Influenza virus and Mycobacterium tuberculosis

Mission:

- Molecular Epidemiology
- Exchange program
- Drug Innovation

e-ASIA JRP

Project Unit

JAPAN(JST)

Leader:

Prof. Kazuo Suzuki,

Teikyo University

VIETNAM(MOST)

Leader: Dr Phung Thi Bich Thuy, NHP, Hanoi

PHILIPPINES(DOST)

Leader: Prof. Jaime Montoya Professor, University of the Philippines College of Medicine

Project Members

JAPAN(JST)

Leader: Prof. Kazuo Suzuki

Asia International Institute of Infectious Disease Control,

Teikyo University

Prof. Koichi Makimura, Dr. Mariko Inoue

MTB

Dr, Seiya Kato, Vice director, Research Institute of Tuberculosis (RIT)

Dr. Naoto Keicho, RIT

Dr. Shinji Maeda, RIT

Prof. Toshiaki Sunazuka, Kitasato University, and others

Project Members

VIETNAM(MOST)

Leader: Dr. Phung Thi Bich Thuy, NHP, Hanoi

Influenza: Dr. Tran Minh Dien, Vice Director, NHP, Dr. Phung Thi Bich Thuy, NHP, Prof. Nguyen Thanh Liem, RICH

MTB: Dr. Luu Thi Lien, Vice Director, Hanoi Health Service,

Dr. Le Van Duc, Director, Danang Hospital for Tuberculosis and Lung diseases and Others

Project Members

PHILIPPINES(DOST)

Leader: Prof. Jaime Montoya Professor, University of the Philippines College of Medicine

Influenza: Dr. Marilla Lucero, The National Influenza Surveillance center in Research institute of Tropical Medicine, Dr. Mary Ann F. Aison, Philippine Children's Medical Center, others

MTB: Prof. Jaime Montoya, and others

Vietnam Team

National Hospital of Pediatrics

National Hospital of Pediatrics



Phung Thi Bich Thuy, PhD







FS. Trần Minh Điển Phó Giám Đốc

Prof. Nguyen Thanh Liem

Dr. Keicho's visit in Vietnam



Philippines Team

Drs. Montoya and Inoue



Prof. Jaime C Montoya, University of the Philippines College of Medicine



Dr. Mariko Inoue, Teikyo University

Department of Health National Center for Disease Prevention and Control Director, Dr. Lilibeth C. David

Mission

Mission:

- Molecular Epidemiology
- Exchange program
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Goal

Pulmonary diseases infected with Influenza virus and M. tuberculosis in Japan-Vietnam-Philippines

- 1) Establishment of research work
- 2) Exchange of research protocols
- 3) Clinical trials with macrolides used in Japan
- 4) Development of new drugs for severe pneumonia
- 5) Establishing optimal genotyping systems to characterize *M. tuberculosis* sublineages and utilizing molecular bacteriological and clinico-epidemiological information for more effective control of tuberculosis.

Approach

- -Specimen of patients with influenza will be collected to analyze NS1 gene and other risky genes of influenza virus to compare three countries.
- -Establishment of research work in Vietnam and Philippines using research protocols established in Japan.
- -Approach to clinical trials with macrolides used in Japan and development of new drugs for severe pneumonia in Japan.
- -After recruiting patients with pulmonary tuberculosis in a particular area of each country, researchers will extract DNA from cultured bacteria and characterize them not only by conventional genotyping methods but also single nucleotide polymorphism (SNP) typing methods and then compare them with clinico-epidemiological data.

Outcome

- Measurements for pulmonary diseases infected with Influenza virus and *M. tuberculosis* in three countries.
- 1) Exchange of researches among three countries.
- 2) Establishment of research works in both countries using protocols for laboratories.
- 3) Clinical trials for influenza with macrolides which has been used in Japan
- 3) Development new drugs innovated in Japan for intervention against severe pneumonia.
- 4) Molecular epidemiological approach to characterization of sublineages of *M. tuberculosis* will help understanding their transmission patterns, particularly for drug resistant tuberculosis. Combined analysis of molecular bacteriological and clinico-epidemiological information is useful considering more effective countermeasures against tuberculosis.