

## International Workshop on Education of Disaster Medicine and Public Health (2016/2/9)

Topics: Core competencies of disaster medicine and public health in general health providers  
Venue: Seiry Auditorium, Tohoku University, Sendai, Japan

On Feb. 9 (Tue), the International Workshop on Education of Disaster Medicine and Public Health was organized by IRIDeS and co-organized by International Graduate Course Human Security and Tohoku Medical Association at Seiry Auditorium, Tohoku University, Sendai, Japan. This workshop aims to share the knowledges and experiences of disaster medical and public health experts together with the experts of public health teaching institutions and educational science. Our goal is to identify the gaps between the current education system and required core competencies for health care providers in resilient community.

We invited Doctors from Nepal and Philippines who worked in the response phase of medical and public health management in 2015 Apr. Nepal Earthquake and 2013 Nov. Philippine Typhoon Haiyan disasters, Dean of School of Public Health in Angeles University Foundation close to where Mt. Pinatubo erupted in 1991, public health researchers in Teikyo University, WHO Centre for Health Development, National Institute of Public Health and National Disaster Medical Center. Prof. Aiko Sakurai (Disaster Reconstruction Design & Management) also joined. After the presentation and discussion, World Caf é style group work was performed to make the consensus for the core competencies of disaster medicine and public health in the general health providers.

At the opening ceremony, Vice Director of IRIDeS, Prof. Makoto Okumura, Dean of Graduate School of Medicine, Prof. Tooru Shimosegawa, Vice Director of School of Public Health, Prof. Ichiro Tsuji gave opening remarks. They mentioned on the role of Tohoku University as the central university in the affected area, establishment of practical disaster risk reduction science both domestic and international and globalization of public health education. Memorial medals were given to the foreign guest speakers from Tohoku Medical Association

In the first session, Prof. Shinichi Egawa (International Cooperation for Disaster Medicine) explained the meaning of this workshop and the promotion of mutual understanding and cooperation between the sectors and the method of consensus formation. Dr. Karki from Nepal reported the role of Ministry of Health and Population (MoHP) in Nepal earthquake and the coordination of foreign medical teams (FMTs). Dr. Ojha mentioned the situation of psychosocial care and the mental health relief of the affected people in Nepal. Prof. Tomita (Disaster Psychiatry) reported the mental health impact of Great East Japan Earthquake (GEJE) and the education of disaster psychiatry in Japan.

In the second session, Prof. Aiko Sakurai (Disaster Reconstruction Design & Management) insisted the role of education in disaster risk reduction (DRR) and the reality of DRR education in the affected area, role of education in Sendai Framework, lessons from GEJE and the support of DRR education globally and domestically. She explained that junior high school students lead the elementary school students and the community people to escape from Tsunami in Kamaishi, which is often cited as “Miracle of Kamaishi” should be regarded as the result of education rather than a miracle. Prof. Mariko Inoue reported the recent change of policy of medical education

from discipline based to competency based. She also mentioned that the school of public health is changing its educational system to cope with the broad spectrum of health crisis. Prof. Carmela Dizon reported the systematic DRR education in Philippines from the basic to higher education, but that the growing up of mentors are the current gaps. Dr. Ryoma Kayano explained the competencies of the global health personnel from the standpoint of WHO.

In the third section, Dr. Yasuhiro Kanatani reported the competencies and legal frameworks of health office directors to protect the community health. Dr. Hisayoshi Kondo reported the education, renewal and the core competencies of Japan DMAT that was formed after the Great Hanshin Awaji Earthquake. Dr. Kondo insisted the difference of the roles of health responders according to the disaster phase and the importance of mutual understanding of disaster experts and the general health providers. Dr. Teodoro Herbosa from University of Philippines (UP) Manila explain the role of health cluster in Typhoon Haiyan disaster and the core competencies of health providers to understand the disaster risk, early warning and the application of IT and GIS to promote the resilience. Dr. Armando Crisostomo from UP Manila mentioned about the assuring of patient safety in disaster to save the maximum number of lives.

Seiryō Auditorium accommodated more than 70 people by the notice from Tohoku Medical Association, Human Security Course. Graduate students, faculty staff, student from Nepal and the researchers from IRIDeS attended the workshop. Active questions and discussions during the seminar and the coffee break to form unique network.

After all presentation was over, delegates moved to the next room to discuss in the World Café style group work using three tables as cafés. The master of the café was decided by stone-paper-scissors and the other guests should move to other café so that brand new members will join. Master moderates the café with relaxed atmosphere and freely discuss what the core competencies for general health providers are.

All tables was using Kawakita Jiro (KJ) method to write the key words of competencies on tack seals as many as possible and categorize them into the islands of similar concepts. The islands should be less than 10 to make the consensus easier. In 15 min, the customers other than the Master will change the café. After total of three sessions, the Master summarize the product of workshop as a consensus.

As a result, the following subjects obtained consensus as the core competencies of disaster medicine and public health for the general health providers.

- Leadership and Management
- Teamwork
- Respect to the culture of affected area
- Communication and the Access to the information and resources.
- Basic knowledge of disaster medicine including patient safety and mental health
- Physical and mental self management
- Preparedness against disaster

Both lecturers and attendees participated actively and the evaluation of the workshop was very high. IRIDeS that is unique in the world having Division of Disaster Medical Science is promoting the mutual understanding of the disaster experts and general health providers and between the health cluster and other clusters.



Opening Remark by Vice Director Prof. Makoto Okumura



Remark from Dean of Graduate School of Medicine, Prof. Tooru Shimosegawa



Remark from Vice Director of School of Public Health, Prof. Ichiro Tsuji



General photo session



Dr. Khem Karki from Ministry of Health and Population, Nepal who coordinated the FMT and medical response to the 2015 Nepal Earthquake



Prof. Saroj Ojha from Tribhuvan University, Nepal who is also Director of Nepal Association of Psychiatry



Prof. Hiroaki Tomita lecturing about the mental health in disaster



Prof. Aiko Sakurai talking on the role of education in DRR.



Prof. Mariko Inoue from Teikyo University talking on the education of public health and the global health



Prof. Carmela Dizon, Dean, AUF, talking on the DRR education in the health sector in Philippines



Dr. Ryoma Kayano from WHO center for research talking on the core competencies of global health worker



Dr. Yasuhiro Kanatani from National Institute of Public Health talking on the education of public health office directors.



Dr. Hisayoshi Kondo from National Disaster Medical Center talking on the education of Japan DMAT



Prof. Teodoro Herbosa from UP Manila talking on the medical response to Typhoon Haiyan disaster



Prof. Armando Crisostomo from UP Manila talking on assuring the patient safety.



World Caf é

Guests other than the Master will change the caf é every 15 min and create a relaxing atmosphere.



Master should present the summary of the product



The products are “Core competencies of disaster medicine and public health for general health providers” . The key words were written down on the tack seals and categorized.



Prof. Shinichi Egawa as the main coordinator



Members who stayed until the last of discussion