OTHERS (CONFERENCE REPORT)

Report on the Second International Seminar and Workshop on Technological Competency as Caring in the Health Sciences 2018

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Abstract : The Second International Seminar and Workshop (ISW) on Technological Competency as Caring in the Health Sciences was offered by the *Rozzano Locsin Institute for Advancing the Theory of Technological Competency as Caring in Nursing,* and held from August 17- 19, 2018 at Tokushima University in Tokushima, Japan. The ISW was envisioned to provide a platform for sharing research and scholarly works into innovative design and developments on studying and applying the theory of Technological Competency as Caring in the Health Sciences. This ISW was founded on the theory of Technological Competency as Caring in Nursing (TCCN) (Locsin, 2005). The ISW, as aimed broadened the influence of theory, research, and practice through the advancements in technology, caring, and nursing, as espoused in the theory of Technological Competency as Caring particularly within the Health Sciences. This report illuminates the contents of the ISW and its outcomes, and reveals the direction of the theory, its development, and future implications through formalized activities. J. Med. Invest. 66 :54-57, February, 2019

INTRODUCTION

The second International Seminar and Workshop (ISW) on Technological Competency as Caring in the Health Sciences was offered by the *Rozzano Locsin Institute for Advancing the Theory of Technological Competency as Caring in Nursing* (1), and held from August 17- 19, at Tokushima University in Tokushima, Japan. Co-hosting the ISW were the following prestigious universities : Prince of Songkla University – Thailand, University of the Philippines – Philippines, Cebu Normal University – Philippines, Central Philippine University – Philippines, San Beda University – Philippines, and Our Lady of Fatima University – Philippines. This seminar and workshop was supported by the International Committee for Health Sciences, Medical School, of Tokushima University.

The ISW was envisioned to provide a platform for the sharing of research into innovative developments within the study and application of Technological Competency as Caring in Health Sciences. This ISW was founded on the theory of *Technological Competency as Caring in Nursing* (Locsin, 2005) (2). This international seminar and workshop was aimed to broaden the influence of theory, research, and practice through the advancement of Technological Competency as Caring particularly within the Health Sciences.

This report describes the contents of the ISW, the outcome of ISW, and the direction of future activities.

CONTENTS of INTERNATIONAL SEMINAR and WORKSHOP (ISW)

The venues of the ISW included the Sunroute Hotel Tokusima for the *Reception, Address, & Welcome Dinner* the Keynote Presentation and two critically significant plenary presentations were held at the Fujii Memorial Hall. The Luncheon Plenary presentation and approximately 50 oral presentations and 40 poster presentations were held at the Nichia Medical Hall, 11th Floor of the University Hospital, Kuramoto Campus of Tokushima University.

Day 1

In the welcome reception, 80 persons participated. In recognizing international participants, flags of their respective countries were projected. From the Republic of the Philippines, Republic of Indonesia, Kingdom of Thailand, Sultanate of Oman, Kingdom of Saudi Arabia, the United Kingdom, United States of America, Egypt, and Japan. President of Tokushima University, Dr. Sumihare Noji, Dean of School of Medicine, Dr. Akira Tangoku, Dr. Chiemi Onishi, Dean of Faculty of Health Sciences provided welcome and opening remarks. To mark the first day, Dr. Rudolf Cymorr Kirby Martinez from San Beda University, Philippines, rendered the Opening Plenary Presentation on *"Lost Touch : " Situating Human Connectedness in Technology and Caring in the Human Health Sciences"*.

At the dinner party, overseas participants were pleased to wear Yukata and take commemorative photographs. As one of the hospitality performances from Tokushima University as host institution, the Awa Odori dance activity was rendered by students of the Department of Nursing. Consequently, all participants danced the Awa odori.

Picture 1 : Day 1, Opening Plenary Presentation, and Welcome Reception

Day 2, Morning

The second day was held at the Fujii Memorial Hall from 8 : 30 a.m. on Aug. 18, 2018 (Saturday). President Dr. Sumihare Noji also participated in the ISW. Opening Remarks was provided by Dr. Minoru Irahara, Dean of the Institute of Biomedical Sciences, Tokushima University, and the Welcome Address was given by Prof. Sachi Kishida, the Head of the Department of Nursing, Tokushima University.

The Keynote Address was presented by Dr. Michael Joseph S. Diño, Director of Research from Our Lady of Fatima University, Philippines on the topic *"Research, Technology, Education, and Scholarship in the Fourth Industrial Revolution : Influences on the Health Science"*. The plenary presentation by Dr. Hideki Otsuka, Professor of the Department of Radiological Sciences, Faculty of Health Sciences was on the subject of *"Clinical Imaging Technology and Diagnosis in Patient-Centered Interdisciplinary Care"*. This was followed by the plenary presentation of Dr. Tetsuya Tanioka, Professor of the Department of Nursing, Faculty of Health Sciences on the topic, *"Nursing and Rehabilitative Care of the Elderly Using Nursing Robots "*.

Day 2, Afternoon

The luncheon plenary presentation and Oral presentations was held at the Nichia Medical Hall.

Dr. Sheila Bonito, Dean of the College of Nursing, University of the Philippines presented on the topic *"Virtual Clinical Environment in Nursing Education"* Thereafter, nearly 50 oral presentations were provided at the three venues at Nichia Hall. The intimate accommodation within the three venues, also provided the best opportunity for camaraderie and networking activities. Participants could freely move from one room to the next, given the breadth of the scientific content of topics presented.

Day 3, Morning

On the third day, Aug. 19, 2018, (Sunday), almost 40 poster presentations were exhibited at the Nichia Medical Hall from 9 : 00 am to 10 : 00 am. A unique 1-minute oral description of posters by each presenter was hailed by the participants as innovative and creative, giving the presenters an opportunity to describe and explain their posters to all the participants. Thereafter, participants did the active discursive exchange of opinions with the presenters. The Discussion and Workshop followed as lead by Dr. Locsin (See outcomes of the workshop). The awards ceremony followed in which five oral presenters and three poster presenters were awarded best in these categories.

Picture 2 : Day 2, Keynote Address and Plenary Presentations

Picture 3 : Day 3, Seminar Workshop

OUTCOMES OF THE WORKSHOP

The discussion and initial workshop was conducted by Dr. Locsin. Discussed were research topics focused on : (1) Mental health care and tele-health focused on psychiatric mental health care practices, (2) Psychiatric and mental health care in the community settings using technologies such as mobile apps, (3) High-fidelity simulation teaching strategies towards effective patient care satisfaction, and the consequences of simulation use in teaching towards patient care quality from the patients' perspective. And reliability and validity of various instruments to evaluate the theory of Technological Competency as Caring in Nursing (TCCN) and possibility of use with the Health Sciences, including translation and use in various languages, e.g. Thai, Bahasa Indonesia, and Filipino.

Moreover, as a way to develop TCCN theory the following suggestions were addressed for possible implantation/application : (1) Open online course for TCCN-platform through the auspices of Dr. Sheila Bonito and the University of the Philippines Open University Program (2) Webinars as suggested by Dr. Michael Joseph Dino, (3) Facebook Page, although existing will need administrative manager to foster online presence, (4) Facebook Group Discussion page needs to be created and hosted, and (5) Informatics Group addressing passive online courses and create a Knowledge Management System addressing the taxonomy or common language of TCCN and the Health Sciences.

DIRECTION OF FUTURE ACTIVITIES

"The ultimate purpose of technological competency as caring is to know persons more fully as persons." This statement embodies the theory of *Technological Competency as Caring,* particularly in Nursing. It is in 'knowing persons more fully as persons' that healing and caring can be realized as evidences of quality human health care.

The person is not simply a composite of human parts. He/she is always whole. Take for example a human being who has no arms or no legs, is this human being a person? Such example substantiates the perspective of persons as always whole even with missing parts. In healthcare, persons are continuously known through their parts as it is the conventional way. Nevertheless, the summation of the anatomical, physiological, and psychological aspects of being human as a reprise of the "composite of parts" description do not make the person 'appear' whole, rather, the person as a human being is always whole and continuously remains whole from moment to moment.

Technologies in the health sciences are abundant, and in situations and conditions such as described above, the practice of Technological Competency as Caring becomes foundational to advancing the theory of Technological Competency as Caring, particularly in Nursing (3).

This ISW embodied and illuminated the value of 'technological knowing' as the use of technologies to express the theory in practice, to realize and recognize that various technologies in healthcare, those that make things efficient, are truly the processes through which persons are known as wholes from moment to moment. It was hoped for in this conference that in the sharing and participating, the goal of advancing caring science in the health sciences was realized. "Knowing persons as caring" is the ultimate process that disciplinary knowledge in the health sciences can be professed by magnifying the recognition of Technological Competency as Caring, as the facilitation of human caring in human health care.

While the first ISW had about 50 participants, the Second ISW had over 130 national and international participants presenting approximately 50 oral presentations and nearly 40 poster presentations. Furthermore, at this the Second ISW, Co - host universities were invited and joined, sending participants from their corresponding universities.

It is thereby planned that future ISW on Technological Competency as Caring in the Health Sciences will be held in alternative venues such as in the co-hosting universities in other countries.

CONFLICT OF INTEREST

There is no actual or potential conflict of interest that exist in this manuscript.

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