

実践・活動報告

第3回 名古屋市立大学・韓国ハルリム大学との 国際合同シンポジウムへの参加報告

Activity report of the Basic and Clinical Translational Research Workshop / The third Hallym-Nagoya City University International Symposium

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キーワード：国際シンポジウム
Key words : International Symposium

I. 目的

本学が掲げる未来プランのうちの「国際化」の推進を図る。

II. 韓国ハルリム大学との交流及び国際合同シンポジウム開催の経緯

2007年に名古屋市立大学（NCU）医学研究科と大韓民国ハルリム大学（HU）医学部との学術交流から始まり、2014年に交換留学制度が開始された。

2016年7月8日に第1回NCU-HU合同シンポジウムが開催され、双方の大学の交流を活性化するための、コンタクトポイント設置調印が行われ、毎年交互の大学で開催する合意に至った。第2回シンポジウムはハルリム大学で行われ、本学の未来プランの一つである「国際化」を見据え、より幅広い学術交流となるよう医学研究科をはじめ薬学研究科、システム自然科学研究科、看護学研究科から派遣された。

今年度は本学がホストとなり、医学研究科から4名、薬学研究科から1名、看護学研究科から2名、システム自然科学研究科から1名の8名のシンポジストが推薦された。本稿ではNagoya City University-Hallym University International Joint

Symposium 2018の概要及び成果を報告する。

III. 国際合同シンポジウムの概要

合同シンポジウムは2018年11月29日（木）9時30分に本学の郡健二郎理事長とハルリム大学のKim理事長のOpening Remarksにより開会された。表1に示すように、英語によるプレゼンテーションは4つのセッションに分かれ、シンポジストは本学8名、ハルリム大学7名の計15名が研究発表を行った。

杉浦は、午前のセッション2において「Oral contraceptives related thromboembolism in Japanese women」と題し、日本人女性における経口避妊薬と血栓塞栓症との関連について発表した（資料1）。小田嶋は午後のセッション3において「Development and validation of an educational program to enhance sense of coherence in patients with diabetes mellitus type 2」と題し、II型糖尿病の患者の首尾一貫感を高めるための患者教育プログラムの作成と検証について発表した（資料2）。

IV. 成果及び展望

今回の国際合同シンポジウムでは様々な領域の研究者が発表を行い、活発な討論、情報交換ができ経

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表1 Program (Thursday, November 29, 2018)

9 : 30 - 9 : 40	Opening Remarks Dr. Kenjiro Kohri (Chairman and President, Nagoya City University) Dr. Dai-Won Yoon (Chairman, Board of Trustees, Ilsong Educational Foundation)
<Session 1>	Chairperson: Dr. Jung Cha-Gyun (Nagoya City University Graduate School of Medical Sciences)
9 : 40 - 9 : 55	Dr. Masato Sawada (Department of Developmental and Regenerative Biology, Nagoya City University Graduate School of Medical Sciences) Morphological changes and migration termination in newborn neurons controlled by Sema3E-PlexinD1 signaling
9 : 55 - 10 : 10	Dr. Byungki Jang (Ilsong Institute of Life Science, Hallym University) Vimentin and myelin basic protein citrullination, a hallmark of activated astrocytes and disorganized myelin sheath, assessed by novel monoclonal antibodies in neurodegeneration
10 : 10 - 10 : 25	Dr. Etsuko Iio (Department of Gastroenterology and Metabolism, Nagoya City University Graduate School of Medical Sciences) Efficacy of Daclatasvir/Asunaprevir according to resistance associated variants in chronic hepatitis C with genotype 1
10 : 25 - 10 : 40	Dr. Ki Tae Suk (Gastroenterology, Chuncheon Sacred Heart Hospital, Hallym University) Role of gut microbiota in the liver disease
10 : 40 - 10 : 55	Intermission
<Session 2>	Chairperson: Dr. Hitomi Tsuiji (Graduate School of Pharmaceutical Sciences, Nagoya City University)
10 : 55 - 11 : 10	Dr. Tatsuaki Tagami (Drug Delivery and Nano Pharmaceutics, Graduate School of Pharmaceutical Sciences, Nagoya City University) Liposomal drug delivery system and light-triggered drug release from functional liposome for the treatment with cancer
11 : 10 - 11 : 25	Dr. Won-Keun Kim (Department of Microbiology, College of Medicine, Hallym University) High-resolution phylogeographic analysis of human- and rodent-derived hantaviruses using next-generation sequencing
11 : 25 - 11 : 40	Dr. Kazuko Sugiura (Department of Reproductive Health Nursing/Midwifery, Nagoya City University Graduate School of Nursing) Oral contraceptives related thromboembolism in Japanese women
11 : 40 - 11 : 55	Dr. Mineui Hong (Department of Pathology, Kangnam Sacred Heart Hospital, College of Medicine, Hallym University) Pathologic application of next-generation sequencing
11 : 55 - 13 : 30	Lunch

<Session 3>	Chairperson: Dr. Mitsuharu Okutsu (Graduate School of Natural Sciences, Nagoya City University)
13 : 30 – 13 : 45	Dr. Yoshiyuki Suzuki (Graduate School of Natural Sciences, Nagoya City University) Searching for packaging signals in viruses with segmented genomes
13 : 45 – 14 : 00	Dr. Yong Joon Suh (Department of Breast and Endocrine Surgery, Hallym University Sacred Heart Hospital) Factors to predict febrile neutropenia in patients experiencing chemotherapy due to breast cancer
14 : 00 – 14 : 15	Dr. Yuki Odajima (School of Nursing, Nagoya City University) Development and validation of an educational program to enhance sense of coherence in patients with diabetes mellitus type 2
14 : 15 – 14 : 30	Dr. Jae-Sung Lim (Department of Neurology, Hallym University Sacred Heart Hospital) Stroke connectome and its changes in vascular cognitive impairment
14 : 30 – 14 : 45	Intermission
<Session 4>	Chairperson: Dr. Masashi Shimohira (Nagoya City University Graduate School of Medical Sciences)
14 : 45 – 15 : 00	Dr. Osuke Iwata (Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences) Implementation of evidence-based neonatal therapeutic hypothermia in Japan: The Baby Cooling Project
15 : 00 – 15 : 15	Dr. Jong-Chan Youn (Division of Cardiology, Department of Internal Medicine, Dongtan Sacred Heart Hospital, Hallym University College of Medicine) Development of malignancy after heart transplantation
15 : 15 – 15 : 30	Dr. Yoshio Hirano (Department of Ophthalmology, Nagoya City University Graduate School of Medical Sciences) Retinal microcirculation in retinal vein occlusion
15 : 30 – 15 : 45	Closing Remarks Dr. Choongsoo Kim (President, Hallym University) Dr. Makoto Michikawa (Dean, Nagoya City University Graduate School of Medical Sciences)

資料1

Oral contraceptives related thromboembolism in Japanese women

Kazuko Sugiura, Junior Associate Professor

Department of Reproductive Health Nursing / Midwifery, Nagoya City University
Graduate School of Nursing

Background: Combined oral contraceptives (COCs) related thromboembolism in Japanese women is not clear yet. The aim of our study is to estimate the current risk of thromboembolism among COC users in Japan.

Methods: We used the Pharmaceuticals and Medical Devices Agency (PMDA) database disclosed by PMDA from 2004 to 2013, and extracted thromboembolic events among adverse events Database. Contraceptives were categorized according to estrogen content and progestin content: mestranol or ethinylestradiol (EE) combined with norethisterone (the first-generation COCs) , EE combined with levonorgestrel or norgestrel (the second-generation COCs) , EE combined with desogestrel (the third-generation COCs) , EE combined with drospirenone (the fourth-generation COCs) and progestin only. This study was approved in an ethical review by Hamamatsu University School of Medicine.

Results: We extracted 581 thromboembolic events from among these adverse events. Of the 581 thromboembolic events, VTE accounted for 394, ATE for 154, and thrombosis of unspecified sites was 33. In 394 events of VTE, 153 were DVT only, 66 were PE only, 90 were PE with DVT, 45 were cerebral vein thromboses, and 40 were other venous thromboses. In 154 arterial thrombotic events, 117 were cerebral infarctions, 17 were coronary heart diseases, and 20 were other arterial thromboses. As for VTE, the fourth-generation COCs was the highest, followed by the first-generation COCs, the third-generation COCs, and lastly the second-generation COCs. On the other hand, the risk of the progestin-only pill was low. It was approximately 20–30 reported events per year from 2004 through 2008, but increased year by year, reaching 184 in 2013. The frequency of all thromboembolic events that developed within 90 days from the start of COCs was 45.5%, and that within 360 days was 81.2%.

Conclusion: Incidence rates of thromboembolism in Japanese COC users became clear for the first time, being slightly lower than people in Western countries. The frequency of all thromboembolic events that developed within 90 days from the start of COCs was highest. Therefore, it is important to know the benefits and the thromboembolic risk when taking COCs. We will make efforts to accumulate further evidences from now on.

資料2

Development and validation of an educational program to enhance sense of coherence in patients with diabetes mellitus type 2

Yuki Odajima, Junior Associate Professor,

School of Nursing, Nagoya City University

This study aimed to develop a group education program that facilitates a sense of coherence among patients with type 2 diabetes mellitus, which was provided four times, and to validate the effect of the program among the patients. Researchers allocated 40 patients with type 2 diabetes, who had been admitted to a general hospital in Japan for diabetes education for two weeks. Twenty-one patients were allocated to the intervention group and 19 to the control group. The control group undertook a lecture-based educational program that the facility offered. The sense of coherence score significantly improved in the intervention group compared with the control group. There were no differences between groups in the subscale and Problem Areas in Diabetes Survey scores. The sense of coherence score, the Problem Areas in Diabetes Survey score, and the comprehensibility and manageability subscale scores significantly improved only in the intervention group. Changes in participant's awareness through participation in this program were grouped into the following four categories: [I understood diabetes itself further]; [I was able to have prospects for a future life]; [I became positive toward living]; [I wanted others to understand the disease]. An effective group intervention for enhancing the sense of coherence has been developed. However, it is necessary to consider the patient's increased share of medical expenses after adding this program to an educational hospitalization program. The usefulness of the program can be enhanced by integrating it into normal educational hospitalization programs.

験を積むことができ盛会であった。質疑応答では、ハルリム大学の先生より積極的に質問をいただいたことや、領域以外の先生より研究の示唆的な質問や意見をいただいたことは、大変貴重で有意義なものであると考える。われわれ2名も学術交流、国際交流を高め「国際化」に非力ながら貢献できたと考える。

一方で、ハルリム大学の研究者は語学力に優れていた。今後とも、参加者間での有意義なコミュニケーション能力を深めるために、語学力の向上に努めていきたい。

異なる領域の研究を一度に拝聴できる機会であるシンポジウムは、世界レベルの研究も発表され、国際的な研究活動の必要性を実感できた。

今回のシンポジウムは大学組織のボトムアップとなり、研究意識を高められるとともに、ハルリム大学との良好な交友関係と両者の発展に導かれる道ができ始め、本開催が双方の大学にとって意義深いものであると感じた。

今後、看護学部内から継続してシンポジストが選出され参加できていけるように、本シンポジウムの価値を伝えられるようにしていきたい。

VI. 謝 辞

この度の合同シンポジウムでは、本学の郡健二郎理事長、医学研究科の道川誠研究科長、酒々井眞澄先生をはじめ、多くの関係者に深謝申し上げます。特に酒々井眞澄先生には、プレゼンテーションの予演、発表に向けての指導をいただきました。重ねて感謝申し上げます。また、この度の共催であるハルリム大学の Kim 理事長をはじめ、関係者の皆様に、深謝申し上げます。