



# 2022 Yonsei-Nagoya University Research Exchange Meeting on Health Sciences

**2022.11.05 (Sat), 13:00-  
Zoom based web-seminar**

**Hosted by Yonsei University**





# 2022 Yonsei-Nagoya University Research Exchange Meeting on Health Sciences

## Web Meeting on November 5 (Sat), 2022

### 13:00-13:30 Plenary Session

#### Opening remarks

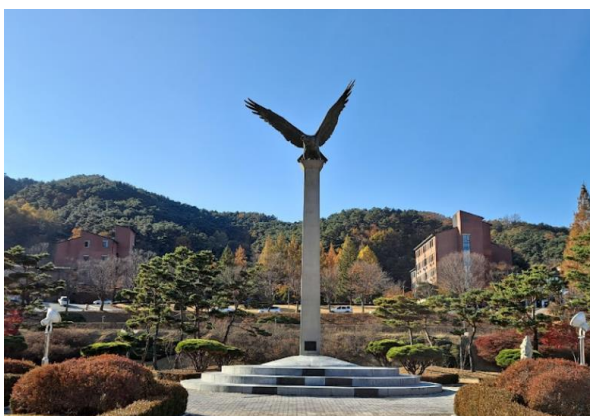
- NAM Eun Woo (Dean of College of Software and Digital Healthcare Convergence, Yonsei University)
- HUR Hea Kung (Dean of Wonju College of Nursing, Yonsei University)
- HOSHIYAMA Minoru (Chairperson of School of Health Sciences, Nagoya University)

Zoom address <https://yonsei.zoom.us/j/xxxxxxx>

ID: xxx xxx xxxx

### 13:30- Department Session (Zoom address arranged by each Dept)

- Nursing
- Radiological Science
- Biomedical Laboratory Science
- Physical Therapy
- Occupational Therapy



# 2022 Yonsei-Nagoya University

## Joint Symposium on College of Nursing

Date: 2022.11.05(Saturday)

Chair: Prof. Junghee Kim

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### Welcome Remark (13:30~13:50)

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13:30~13:40	Yonsei University Wonju College of Nursing	Dean Prof. Hea Kung Hur
13:40~13:50	Nagoya University Department of Nursing	Prof. Ikumi Honda

### Session I (13:50~15:00)

Moderator: Prof. Young Mi Lim

13:50~14:05	Factors affecting nurses' performance of COVID-19 infection control : A Literature review	Yeongmi Kim
14:05~14:20	Impact of maternal-fetal attachment on maternal health practices during pregnancy: A Literature review	Mayu Yamaguchi
14:20~14:35	Experience of a Sibling's Death due to Pediatric Chronic Disease: A Literature review	Koto Kikudome
14:35~14:50	The state of mind of a brain-dead donor family- Literature review	Rika Aizawa
14:50~15:00	Coffee Break	

### Session II (15:00~16:15)

Moderator: Prof. Young Mi Lim

15:00~15:15	Post traumatic growth of nurses at Trauma Intensive Care Unit : A Trauma Literature review	Hanbi Hong
15:15~15:30	Identification of items for the early detection of the unmet psychosocial needs of siblings of children with cancer und blood disease: modified Delphi technique	Taro Kaneko
15:30~15:45	Relationship between simulation design characteristics and clinical reasoning competence: Multiple additive moderating effects of teaching effectiveness and students' anxiety of nursing students	Kyung In Cheon
15:45~16:00	Does increased daily activity change heart rate variability in patients with depression?	Etsuko Kita
16:00~16:15	Closing Remark	

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# 2022 Yonsei-Nagoya University

## Joint Symposium on Department of Radiological Science

Date: 2022.11.05(Saturday)

Chair: Prof. Yeon Soo Yeom

<b>Welcome Remark (13:30~13:35)</b>		
13:30	Opening remarks	from Prof. Yeon Soo Yeom
<b>Session I (13:35~14:35)</b>		Moderator: Prof. Yeon Soo Yeom
13:35	Geant4-based simulation model of the medical linear accelerator to evaluate patient dose from the radiation treatment plan	Jonghyeok Choi
13:55	Establishment of ICRP reference organ dose and effective dose coefficients for X-ray projection imaging	Yumi Lee
14:15	Development of pulse reconstruction method to improve the timing resolution in AGPET	Seongyeon Lee
14:35	Coffee Break	
<b>Session II (14:48~15:35)</b>		Moderator: Prof. Yeon Soo Yeom
14:45	Motion blur effect to avoid ringing artifact in single-shot grid-based x-ray dark-field imaging	Hyunwoo Lim
15:05	Removing gradient artifact from electroencephalogram recorded simultaneously with diffusion tensor imaging	Jehyeong Yeon
15:25	Coffee Break	
<b>Session III (15:35~16:15)</b>		Moderator: Prof. Naoki Sunaguchi
15:35	Stochastic resonance in chest radiographs with pulmonary nodules: Effect of colored noise emphasizing low-frequency components	Miho Sakurai
15:55	Examination of operator's lens dose in interventional radiology	Mitsuharu Ohsawa
16:15	Closing remarks	from Prof. Katsuhiko Kato

# 2022 Yonsei-Nagoya University

## Joint Symposium on Department of Biomedical Laboratory Science

Date: 2022.11.05(Saturday)

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### Session I (13:30~14:40)

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13:30 – 13:50	The effect and mechanism of action of hepatocyte transplantation treatment in a novel mouse model of persistent liver failure.	Yuki TAMAKI
13:50 – 14:10	Development of anti-EGFR aptamer-conjugated erythrocyte-derived nanoparticles encapsulating doxorubicin	Do Hyun LEE
14:10 - 14:30	GRHL2, a suppressor of epithelial-to-mesenchymal transition, has complicated roles in growth of lung cancer cells	Nozomi KAWABE
14:30 – 14:40	Coffee Break	

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### Session II (14:50~15:40)

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14:40 – 15:00	TNF- $\alpha$ -induced neutrophil extracellular traps in dHL-60 cells	Yerang LEE
15:00 – 15:20	Cytoplasmic p21 waf1/cip1 is associated with resistance to oncogene-induced senescence	Nao MURAKI
15:20 – 15:40	Analysis of colorectal cancer-associated circulating transcripts using blood samples	Jin HAN
15:40 – 15:50	Coffee Break	

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### Session III (15:50~16:30)

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15:50 – 16:10	Functional inhibition of MEF2 by C/EBP is a possible mechanism of leukemia development by CEBP-IGH fusion gene.	Koya ODAIRA
16:10 – 16:30	Bacteroides fragilis toxin induces sequential proteolysis of E-cadherin leading to secretion of CXCL1 and CXCL5 in Mouse Epithelial Cell Line, CMT93	Woo-Seung KIM

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# 2022 Yonsei-Nagoya University

## Joint Symposium on Department of Physical Therapy

Date: 2022.11.05(Saturday)

<b>Welcome Remark (13:30~13:35)</b>		
13:30	Opening remarks	from Prof. Chunghwi Yi
<b>Session I (13:35~15:05)</b>		Moderator: Prof. Sanghyun Cho
13:35	Correlation between knee muscle strength and maximal cycling speed measured using 3D depth camera in virtual reality environment	Ye Jin Kim
14:05	Ankle strategies for step-aside movement from quiet standing	Lingchao Xie
14:35	Relationships between body weight support and gait speed parameters and muscle activity and torque during robot-assisted gait training in non-neurological adults: A preliminary investigation	Heaun Park
15:05	Coffee Break	
<b>Session II (15:20~16:50)</b>		Moderator: Prof. Sanghyun Cho
15:20	COP-COM Coordination Is Involved in a Process of Acceleration Control on Gait Initiation in Community Dwelling Elderly People	Masahiro Nishimura
15:50	Factors associated with increase in objectively measured physical activity in patients after percutaneous coronary intervention: A prospective cohort study	Kuya Funaki
16:20	Metronome-Paced Incremental Hyperventilation may Predict Exercise Tolerance and Dyspnea as a Surrogate for Dynamic Lung Hyperinflation During Exercise	Shohei Kawachi
16:50	Closing remarks	from Prof. Yasushi Uchiyama

# 2022 Yonsei-Nagoya University

## Joint Symposium on Department of Occupational Therapy

Date: 2022.11.05(Saturday)

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### Welcome Remark (13:40~13:45)

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13:30	Opening remarks	from Prof. Jihyuk Park
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### Session I (13:45~15:05)

Moderator: Prof. Ickpyo Hong

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13:45 - 14:05	Development of machine learning models to predict the life satisfaction of older adults living alone	Suyeong Bae
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14:05 - 14:25	Relationship between emotional words in electronic medical records and duration of sick leave in a return-to-work program for depression	Ichiro Kutsuna
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14:25 - 14:45	Bedroom based Smart Home modification for person with physical disabilities	KwangTae Moon
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14:45 - 15:05	Temporal changes of neural activity before voluntary movement: causality analysis using magnetoencephalography	Jumpei Kudo
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15:05 - 15:10	Closing remarks	from Prof. Go Igarashi
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