

2014 Nagoya–Yonsei University Research Exchange Meeting on Health Sciences



2nd-4th November, 2014

Nagoya University Daiko Campus

Nagoya, Japan

Schedule

November 3rd, 2014

Time	Schedule	Place
10:00 – 11:00	Opening Ceremony	Auditorium (East building)
11:00 – 12:00	Presentation	Nursing: Auditorium (East building) Medical Technology: Lecture Room 1 Radiological Technology: Lecture Room 2 Physical Therapy: Lecture Room K301 (South building) Occupational Therapy: Lecture Room 4
12:00 – 13:30	Lunch	Meeting Room 122
13:30 –	Presentation	Nursing: Auditorium (East building) Medical Technology: Lecture Room 1 Radiological Technology: Lecture Room 2 Physical Therapy: Lecture Room K301 (South building) Occupational Therapy: Lecture Room 4
	Dinner	Arranged by each department

SCHEDULE

Session 1 11:00 ~ 11:50

Session chair : Prof. Katsumasa Ota

1. Relationship between mental health state and lifestyle using smartphone and mobilephone in high school students
Haruka Hasegawa
2. Literature review on sleep hygiene for elderly people who experienced insomnia
Seulgi Lee
3. Obstacles and possible solutions to initiate early rehabilitation on hemodynamically and neurologically instable tetanus patient
Yoshihiro Takayanagi

Session 2 13:30 ~ 14:20

Session chair : Prof. So Mi Park

4. Effects of perceived health status and self-efficacy on depression in type 2 diabetes
Jinhwa Koh
5. Nursing intervention to a patient with delayed rehabilitation due to fear from dyspnea
Ayako Saji
6. Effects of preoperative dehydration on postoperative nausea and vomiting in gynecological surgery patients
Yunjeong Hwang

-15 minutes rest -

Session 3 14:35 ~ 15:25

Session chair : Associate Prof. Nobuko Aida

7. The patient's perspective on support of medical staff and family in perioperative period is associated with their Quality of Life on postoperative day 14.
Kumiko Sasaki
8. The relationship between nurses' general hospital patient safety culture and safety Compliance
Younghee Kim
9. Development of the Fecal Disimpaction Bag for the patient with severe constipation
Atsuko Maekawa

SCHEDULE

Session 1 : 11 : 00 ~ 12 : 00

Session chair : Associate Prof. Masataka Komori

1. Evaluation of dose uniformity using multi-patch technique with 200 MeV proton
Takaomi Harada
2. Development of automated algorithms for IMRT Monte Carlo simulation using Geant4
Hyun Joon Choi
3. Dose integration in the MAGIC gel dosimetry
Takayuki Miyachi
4. Dual-energy computed tomography with an energy-resolved photon-counting detector
Seung Wan Lee

Session 2 : 13 : 30 ~

Session chair : Assistant Prof. Min Chul Hee

5. Methodology of effective dose estimation from chest digital tomosynthesis
Byungdu Jo
6. The relationship between default mode network and cognitive function in healthy volunteers
Akio Osamura
7. Comparison study of reconstruction algorithms for prototype digital breast tomosynthesis using anthropomorphic breast phantom
Yesle Kim

– 15 minutes rest –

Session chair : Prof. Katsuhiko Kato

8. Feasibility of pixel-driven and ray-driven projectors in linear motion tomosynthesis
Sunghoon Choi
9. Development of a nearly circular-shaped PET system for small animals made of eight block detectors
Satoshi Okumura
10. Feasibility study of various filter setups with FBP reconstruction for digital tomosynthesis
Haenghwa Lee
11. Fukushima nuclear disaster and radioactivity measurement
Yoshimune Ogata

SCHEDULE

Session 1 : 11 : 00 ~ 12 : 00

Session chair: Associate Prof. Bo Young Jeon

1. The role of CD40 signal in somatic hypermutation

Yuka Kodera

2. Up-regulation of claudin-2 and down-regulation of claudin-5 in large intestines of mice infected with enterotoxigenic *Bacteroides fragilis*

Soon Jae Hwang

3. Precise genetic abnormalities in four hemophilia B patients with large deletions of X-chromosome including entire *F9*

Yuki Nakamura

Session 2 : 13 : 30 ~ 14:30

Session chair: Prof. Takaaki Kondo

4. Vaccine development against chronic TB infection and reactivation of TB

Bo Young Jeon

5. "Vasomotion" as a new physiological indicator of vascular endothelial dysfunction

Shogo Watanabe

- 30 minutes rest -

Session 3 : 15 : 00 ~ 16:00

Session chair: Prof. Kohzo Nagata

6. Effects of pioglitazone on cardiac and adipose tissue pathology and glucose metabolism in a rat model of metabolic syndrome

Natsumi Matsuura

7. The effects of celastrol on CagA, VacA toxin and motility in *H.pylori*

Hyun Woo Kim

8. Relationship between the redox state of human serum albumin and estimated glomerular filtration rate in a general Japanese population

Ryosuke Fujii

SCHEDULE

Session 1: 11 : 00 ~ 12 : 00

Session chair: Associate Prof. Kazuto Ishida

1. Human motor plasticity induced by mirror visual feedback in patients with callosal disconnection
Ippei Nojima
2. Treadmill exercise promotes motor functional recovery and inhibits dendritic regression and Nogo-A expression in the motor cortex after unilateral striatal hemorrhage in rats.
Yasuyuki Takamatsu
3. Relationships between spasticity and hyperactive stretch reflex in patients with the spastic cerebral palsy.
Hiroaki Kato

Session 2 : 13 : 30 ~ 14:10 (Yonsei Univ)

Session chair: Prof. Jeon Hye-Seon

4. Influence of forward head posture on EMG activity of hyoid muscles during mouth opening
Jae-Ik Song
5. Comparisons of muscle activity and center of pressure excursion during one-leg standing between the short-foot exercise and kinesiotaping in subjects with patellofemoral pain and pronated foot
Hyo-Jung Jeong

- 20 minutes rest -

Session 3 : 14 : 30 ~ 15:10

Session chair: Prof. Shigeyuki Suzuki

Session chair: Prof. Sumio Yamada

6. The effect of pelvic floor muscle training in patients with pelvic organ prolapse
Mifuka Ouchi
7. Predictors of physical activity after discharge in patients with mild ischemic stroke: a prospective observational study.
Hiroyuki Kawajiri

- 20 minutes rest -

Session 4 : 15 : 30 ~ 16:10 (Yonsei Univ)

Session chair: Prof. Jeon Hye-Seon

8. Comparison of gluteus medius and tensor fasciae latae during squat exercises in different hip conditions
Hae-Rim Han
9. Comparison between the robo-horse and real horse movements for hippotherapy
Ji H.Park

SCHEDULE

Session 1 : 11 : 00 ~ 11 : 40

Session chair: Prof. Minoru Hoshiyama

1. Gesture skill of children with autistic spectrum disorder:
A study at the National Rehabilitation Center for persons with disabilities
Misako Sano
2. Correlation of activity participation level with quality of life in persons with stroke
Yun Seo-Jung

Session 2 : 13 : 30 ~ 14 : 30

Session chair: Prof. Jung Min-Ye

3. (A)Study on the correlation between cognitive area and IADL performance area in early dementia
Lee Chang-Dae
4. The effect of multimodal intervention on quality of life, depression, cognitive function in elderly with dementia: a pilot study
Lee Ye-Jin
5. Classification of behavioral characteristics of elderly people with dementia in care facilities
Jumpei Mizuno

- 15 minutes rest -

Session 3 : 14 : 45 ~ 15 : 45

Session chair: Prof. Yuji Sawada

6. Motor output modulated by automatic feed-forward function in patients with schizophrenia
Masashi Kawamura
7. Characteristics in Sensory Processing and Non-verbal Communication in Children with Autism Spectrum Disorder and Mental Retardation: inter-relationship between the sensory processing and communication ability
Mari Iwata
8. The effect of vibratory stimulation on upper function recovery in patients with stroke
Kim Jae-Nam

- 15 minutes rest -

Session 4 : 16 : 00 ~ 16 : 40

Session chair: Prof. Kunifumi Suzuki

9. The current state and problems of driving support system for patients with neuropsychological dysfunction in Japan
Hiroshi Sakai
10. Activities outside home in the parents of children with cerebral palsy and spina bifida - Invitation to collaborate with the research-
Chieko Karashima, Asuka Suzuki

List of Participants – Nagoya University

Department	Name (English)	Position
Graduate school of Medicine (Health Sciences)	Hisataka SAKAKIBARA	Director
Nursing	Katsumasa OTA	Professor
	Atsuko MAEKAWA	Professor
	Nobuko AIDA	Associate Professor
	Kumiko SASAKI	Doctor course
	Haruka HASEGAWA	Master course
	Yoshihiro TAKAYANAGI	Master course
	Ayako SAJI	Master course
Radiological Technology	Katsuhiko KATO	Professor
	Masataka KOMORI	Associate Professor
	Yoshimune OGATA	Assistant Professor
	Akio OSAMURA	Master course
	Takaomi HARADA	Master course
	Satoshi OKUMURA	Master course
	Takayuki MIYACHI	Master course
Medical Technology	Takaaki KONDO	Professor
	Kohzo NAGATA	Professor
	Shogo WATANABE	Assistant Professor
	Yuka KODERA	Master course
	Yuki NAKAMURA	Master course
	Natsumi MATSUURA	Master course
	Ryosuke FUJII	Master course
Physical Therapy	Shigeyuki SUZUKI	Professor
	Sumio YAMADA	Professor
	Kazuto ISHIDA	Associate Professor
	Ippei NOJIMA	Assistant Professor
	Yasuyuki TAKAMATSU	Doctor course
	Hiroyuki KAWAJIRI	Doctor course
	Mifuka OUCHI	Master course
	Hiroaki KATO	Master course
Occupational Therapy	Chieko KARASHIMA	Professor
	Minoru HOSHIYAMA	Professor
	Hiroshi SAKAI	Associate Professor
	Misako SANO	Doctor course
	Masashi KAWAMURA	Master course
	Jumpei MIZUNO	Master course
	Mari IWATA	Master course
	Asuka SUZUKI	Master course

List of Participants – Yonsei University

Department	Name (English)	Position
Graduate school of Health and Environment		
Nursing	So Mi Park	Professor
	Hee Young Song	Associate Professor
	Jinhwa Koh	Master course
	Seulgi Lee	Master course
	Younghee Kim	Master course
	Yunjeong Hwang	Master course
Radiation Convergence Engineering	Hee Joung Kim	Professor
	Chul Hee Min	Assistant Professor
	Hyun Joon Choi	Master course
	Seung Wan Lee	Doctor course
	Yesle Kim	Doctor course
	Byungdu Jo	Master course
	Sunghoon Choi	Master course
Haenghwa Lee	Master course	
Biomedical Laboratory Science	Bo Young Jeon	Associate Professor
	Soon Jae Hwang	Master course
	Hyun Woo Kim	Master course
Physical Therapy	Hye Seon Jeon	Professor
	Hyo Jung Jeong	Master course
	Hae Rim Han	Master course
	Jae Ik Song	Master course
	Ji Ho Park	Master course
Occupational Therapy	Min Ye Jung	Professor
	Jae Nam Kim	Master course
	Seo Jung Yun	Master course
	Ye Jin Lee	Master course
	Chang Dae Lee	Master course
	Seung Woo Hwangbo	Master course