2024 EAFONS

27th East Asian Forum of Nursing Scholars

Organised by

HKU Med LKS Faculty of Medicine School of Nursing 香港大學護理學院

GENERATING IMPACT THROUGH DOCTORAL NURSING EDUCATION

March 6 – 7, 2024

Programme Book

Lee Shau Kee Lecture Centre, Centennial Campus, The University of Hong Kong

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EAFONS 2024

Welcome Message from Chair of EAFONS

Warmest Greeting!

We are very proud to announce that the 27th East Asian Forum of Nursing Scholars (EAFONS) conference will be hosted by the School of Nursing at The University of Hong Kong (HKU) on March 6 and 7, 2024. We hope to meet everybody face-to-face for the fruitful opportunity for communication and active learning, which will lead to future global collaborations.

The theme of EAFONS 2024 is "Generating Impact Through Doctoral Nursing Education." By nurturing future nursing leaders, doctoral nursing education generates impacts on clinical practice, nursing research, and education. We are facing complicated issues around the globe, including planetary health, and are expected to carefully consider how we can respond to these issues and move forward with a bright outlook for the future of nursing science.

The greatest thing that happens at EAFONS is the synergy among ourselves and the reunion of like-minded interactions. We witness many reunions of researchers and interactions among experienced practitioners, from PhD students to those further pursuing their destinations.

We extend our deep appreciation to the host organization and to each one of you for your passion, perseverance, and efforts in bringing quality nursing support to individuals, families, organizations, and societies locally and globally. Let's make this opportunity a journey of global collaboration.

Professor Mari Ikeda
Chair of EAFONS
Department of Family Nursing, Division of Health Sciences and Nursing
Graduate School of Medicine, The University of Tokyo, Japan
Deputy Director, Global Nursing Research Center

Welcome Message from Chair of EAFONS Conference 2024

We are delighted that the 27th East Asian Forum of Nursing Scholars (EAFONS) conference, with the theme "Generating Impact Through Doctoral Nursing Education", is being hosted by the School of Nursing, The University of Hong Kong. We are excited to welcome you to Hong Kong for a face-to-face opportunity to connect, learn, and collaborate.

The impacts on clinical practice, nursing research, and education are brought about by the cultivation of future nursing leaders through doctoral nursing education. Doctoral nursing graduates excel in conducting cutting-edge research that informs the formulation of health policy, practice improvement initiatives, and innovative teaching and learning pedagogy. The 2024 EAFONS will serve as a platform to enhance tripartite collaboration and strengthen international exchanges.

We are honored to have renowned nursing scholars Professor Azita Emami, Dean and Linda Koch Lorimer Professor of Nursing, Yale School of Nursing, Yale University and Professor Hugh McKenna, Professor of Nursing, School of Nursing, Ulster University as our keynote speakers. Besides, we have a variety of interactive programs of symposia, workshops, and free paper presentations. The networking opportunities will expand your vision and capacities as nursing students, practitioners, educators, and researchers.

Your participation and contribution to EAFONS 2024 are greatly appreciated. We believe that your dedication, passion, and expertise will make this conference a resounding success and advance nursing science to new heights.

Professor Chia-Chin Lin
Director and Professor
Alice Ho Miu Ling Nethersole Charity Foundation Professor in Nursing
School of Nursing, The University of Hong Kong, Hong Kong

Congratulatory Message from President and Vice-Chancellor of The University of Hong Kong

On behalf of The University of Hong Kong, it is my distinct pleasure to congratulate our School of Nursing on hosting the 27th East Asian Forum of Nursing Scholars (EAFONS) Conference.

First of all, I would like to thank the many distinguished nursing scholars who are participating as keynote speakers for sharing their invaluable insight and knowledge with not only their academic peers but also young nursing scholars. Along with a host of presentations, events and workshops, this high-level conference will act as a platform for facilitating fruitful exchanges and collaborations.

True to this year's theme, "Generating Impact Through Doctoral Nursing Education", The University of Hong Kong is committed to fostering a supportive environment for the School of Nursing to prepare promising nursing practitioners, educators, and researchers to assume leadership roles in addressing global healthcare challenges and to play critical roles in shaping the future development of nursing. We look forward to advancing our world-class interdisciplinary research and education, and inspiring students to achieve the highest levels of academic excellence that contribute to more positive outcomes in patient care.

Congratulations again to the School of Nursing on hosting this outstanding event. I take this opportunity to wish the Conference and all participants every success.

Professor Xiang Zhang
President and Vice-Chancellor, The University of Hong Kong, Hong Kong

Congratulatory Message from Dean of Medicine of The University of Hong Kong

I am delighted to welcome all of you to the LKS Faculty of Medicine of the University of Hong Kong, and the 27th East Asian Forum of Nursing Scholars. Our School of Nursing has been a central player in the forum since its founding, and I hope you will agree that they stand as a wonderful example of excellence through their rigorous research, contributions to policy-making and high-quality education at all levels of study.

This year's theme of doctoral education is an important one, given the rapid advances that are happening in technology and the heightened focus and expectations globally for better healthcare. Research is the first step towards progress, so it is paramount that we train new generations of researchers to take on these challenges. Since young people have grown up with mobile and computing technology from birth, their easy facility with it equips them to bring new ideas and perspectives to its use. A doctoral education can help to bring rigour to those ideas and hopefully identify new directions to improve patient care, health policy, and teaching and learning.

We have also seen at HKUMed that a doctoral education can benefit students who pursue careers beyond academia because they gain high-level skills that have broad application - things like gathering meaningful data, interpreting the results, and making these comprehensible to others, including managers. The trickle-down benefits from these skills are another way in which doctoral education can improve patient care.

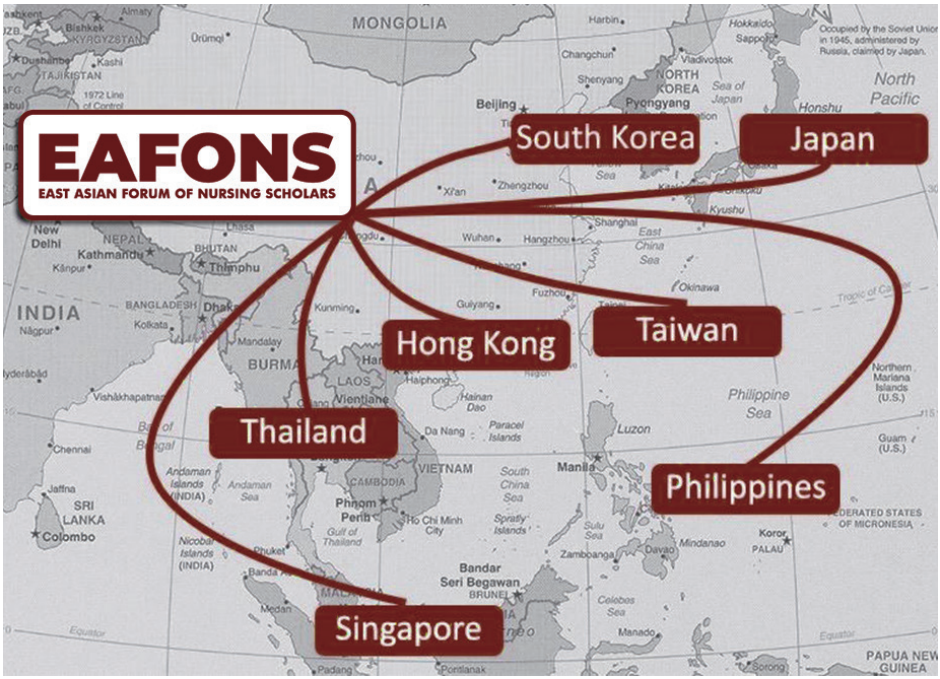
I trust there will be many interesting exchanges on the development of doctoral education and the student experience, and insights on the latest research from the region. I wish all of you a fruitful and enjoyable two days of discussion and networking!

Professor Chak-sing Lau
Dean of Medicine, The University of Hong Kong, Hong Kong

About EAFONS

The East Asian Forum of Nursing Scholars (EAFONS) was initiated in 1997 by Professor Ida Martinson and her colleagues, School of Nursing (formally the Department of Nursing and Health Sciences), The Hong Kong Polytechnic University.

EAFONS aims to provide a regular regional forum for doctoral prepared nurse academics and their students. Since 1997, yearly forums have been held in Hong Kong, South Korea, Thailand, the Philippines, Taiwan, Japan, and Singapore.



EAFONS Executive Committee

Chair

Professor Mari Ikeda	The University of Tokyo, Japan

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Professor Elizabeth Baua	St. Paul' s University Philippines, the Philippines
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Conference Organizing Committee

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Professor Chia-Chin Lin	The University of Hong Kong

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Professor Kelvin Man-ping Wang	The University of Hong Kong
Professor Doris Sau-fung Yu	The University of Hong Kong

Advisors

Professor Sophia Chan	The University of Hong Kong
Professor Agnes FY Tiwari	The Nursing Council of Hong Kong
Dr. Danny Wah-kun Tong	Hospital Authority

Program at a Glance

Time	6 March 2024 (Wednesday)				
08:45 – 09:30	Grand Hall Foyer	**Registration**			
09:30 – 10:00	Grand Hall	**Opening Ceremony** Guest of Honour, Professor Vivian Lin, Executive Associate Dean of HKUMed, The University of Hong Kong, Hong Kong			
10:00 – 10:10	Grand Hall	**Welcoming Address** Professor Mari Ikeda, EAFONS Chair			
10:10 – 10:30	Grand Hall	**Chair's Address** **Generating Impact Through Doctoral Nursing Education** Professor Chia-Chin Lin, Director and Professor, School of Nursing, The University of Hong Kong, Hong Kong			
10:30 – 11:30	Grand Hall	**Keynote Address** **Doctoral nursing education and wellness for the world** Dean, Linda Koch Lorimer Professor of Nursing, Yale School of Nursing,			
11:30 – 13:00	**Lunch**				
13:00 – 14:30	Grand Hall **Symposium 1: Interdisciplinary Research and Interprofessional Education** Moderators: Professor Pregamol Rutchanagul and Dr. Polly Chan **Improving Cancer and Palliative Care Outcomes:The Role of Interdisciplinary Research** Professor Jane Phillips (Australia) **Effect of Feeding Mode on the Intestinal Microbiota of Healthy Chinese Infants: A Prospective Observational Study** Professor Kris Lok (Hong Kong) **Artificial Intelligent-Enabled Virtual Reality Simulation for Interprofessional Education** Professor Sok-ying Liaw (Singapore) **Interprofessional Education: The Journey not the Destination** Professor Cheryl Chia-hui Chen (Taiwan)	Lecture Hall I **Workshop 1: Meeting the Journal Editors** Moderator: Professor Polly Li Professor Hugh McKenna (UK) Professor Doris Yu (Hong Kong) Professor Edmond Choi (Hong Kong) Professor Jay Lee (Hong Kong) Professor Benjamin Ho (Hong Kong)	Oral Presentation Room A **Award Candidate Oral Presentation Session 1** Moderator: Professor Mari Ikeda Adjudicators: Professor Sheila Bonito (the Philippines) Professor Hong-Gu He (Singapore) Professor Eui Geum Oh (South Korea) Professor Ratsiri Thato (Thailand)	Oral Presentation Room B **Oral Presentation Session 1: Nursing Education** Moderator: Professor Mandy Ho	Oral Presentation Room C **Oral Presentation Session 2: Health Care Systems and Policy** Moderator: Dr. Quanlei Li
14:30 – 15:00	**Break**				
15:00 - 16:30	Grand Hall **Symposium 2: Nursing Leadership Development for Greater Impact** Moderators: Professor Sophia Chan and Professor Chia-Chin Lin **Essentials for Educating Nurse-Leaders** Professor Azita Emami (USA) **Research Without Impact is a Wasted Opportunity** Professor Hugh McKenna (UK) **Impacts on Clinical Practice: The Alpha and The Omega** Dr. Danny Tong (Hong Kong) **Modernizing Professional Development and Regulation** Professor Agnes Tiwari (Hong Kong) **Mentorship for Leadership** Professor Judith Parker (Australia) **Empowering Nurse Leaders: The Importance of Nursing Leadership Capacity Building in Hong Kong** Professor Sophia Chan (Hong Kong)	Lecture Hall I **Workshop 2: Synthesizing Quantitative Results** Professor Wilson Tam (Singapore) Professor Daniel Fong (Hong Kong)	Oral Presentation Room A **Award Candidate Oral Presentation Session 2** Moderator: Professor Mari Ikeda Adjudicators: Professor Sheila Bonito (the Philippines) Professor Hong-Gu He (Singapore) Professor Eui Geum Oh (South Korea) Professor Ratsiri Thato (Thailand)	Oral Presentation Room B **Oral Presentation Session 3: Nursing Education** Moderator: Professor Benjamin Ho	Oral Presentation Room C **Oral Presentation Session 4: Information and Communication Technology** Moderator: Dr. Kevin Luk

EAFONS 2024

Program at a Glance

Time	7 March 2024 (Thursday)					
08:30 – 09:00	Grand Hall Foyer	**Registration**				
09:00 – 10:30	Grand Hall **Symposium 3: Doctoral Nursing Education in East Asian Region** Moderators: Professor Mari Ikeda and Professor Chia-Chin Lin Professor Doris Yu (Hong Kong) Professor Sakiko Fukui (Japan) Professor Hong-Gu He (Singapore) Professor Yeojin Im (South Korea) Professor Jenniffer Paguio (the Philippines) Professor Cheryl Chia-hui Chen (Taiwan)	Lecture Hall I **Workshop 3: Preparation of Simulation Scenarios in Nursing Education** Dr John Fung (Hong Kong) Dr Maggie Chan (Hong Kong) Dr Veronica Lam (Hong Kong)	Award Candidate Poster Display Room **Award Candidate Poster Presentation Session** Moderator: Professor Edmond Choi Adjudicators: Professor Hsiu-Ju Chang(Taiwan) Professor Priyoth Kittiteerasak (Thailand) Professor Kelvin Wang (Hong Kong)	Oral Presentation Room A **Oral Presentation Session 5: Maternal and Child Health** Moderator: Professor Kris Lok	Oral Presentation Room B **Oral Presentation Session 6: Gerontology and Long Term Care** Moderator: Professor Celine Chui	Oral Presentation Room C **Oral Presentation Session 7: Health Promotion and Disease Prevention** Moderator: Professor Derek Cheung
10:30 – 11:00	**Break**					
11:00 – 12:00	Grand Hall	**Keynote Address:** **The Future for Doctoral Education in Nursing is Uncertain without Research Impact** Professor Hugh McKenna, Professor of Nursing, School of Nursing, Ulster University, the United Kingdom				
12:00 – 13:30	**Lunch**					
13:30 – 15:00	Grand Hall **Symposium 4: Innovative Interventions in Research and Education** Moderators: Professor Pei-Shan Tsai and Professor Mandy Ho **Innovative Interventions in Education and Research** Professor Shannon Tung (Taiwan) **Using Ultrasonography, XR, and AI in Nursing Education and Practice: Experience at The University of Tokyo** Dr. Toshiyuki Takahashi (Japan) **Expanding the Boundaries of Nursing Education to Enhance the Industrial Impact of the Nursing Profession** Professor Eui Geum Oh (South Korea) **Research Innovation: Experience on Designing Population-Based Interventions** Professor Kelvin Wang (Hong Kong)	Lecture Hall I **Workshop 4: Qualitative Research Methods: From Data Collection to Publication** Dr. Betsy Seah (Singapore) Professor Sasitara Nuampa(Thailand) Professor Jay Lee (Hong Kong)	Oral Presentation Room A **Oral Presentation Session 8: Gerontology and Long Term Care** Moderator: Professor Polly Li	Oral Presentation Room B **Oral Presentation Session 9: Community and Public Health** Moderator: Professor Yi Nam Suen	Oral Presentation Room C **Oral Presentation Session 10: Health Promotion and Disease Prevention** Moderator: Professor Denise Cheung	
15:00 – 15:30	**Break**					
15:30 – 16:40	Grand Hall **Symposium 5: Strategies to Generate and Evaluate Impacts** Moderators: Professor Yeojin Im and Professor Daniel Fong **Implementation Science in Doctoral Nursing Education** Professor Claudia Lai (Hong Kong) **Implementation Research: The Key to Advance Evidence-Based Nursing Practice** Professor Doris Yu (Hong Kong) **Use of Theory of Change in Evaluating Impact of the NurseLEAD Programme** Professor Sheila Bonito (the Philippines)	Lecture Hall I **Workshop 5: Managing Stress during Doctoral Study** Professor Penpaktr Uthis (Thailand) Professor Jojo Kwok (Hong Kong)	Oral Presentation Room A **Oral Presentation Session 11: Patient-centred Care** Moderator: Dr. Naomi Takemura	Oral Presentation Room B **Oral Presentation Session 12: Advanced Nursing Practice** Moderator: Dr. Lubecca Zhao	Oral Presentation Room C **Oral Presentation Session 13: Oncology, Palliative and Psychological Care** Moderator: Dr. Tongyao Wang	
16:40 – 17:00	Grand Hall	**Closing Ceremony** Award Presentations Vote of Thanks by Professor Chia-Chin Lin, Director and Professor, School of Nursing, The University of Hong Kong, Hong Kong				

Access / Campus Map

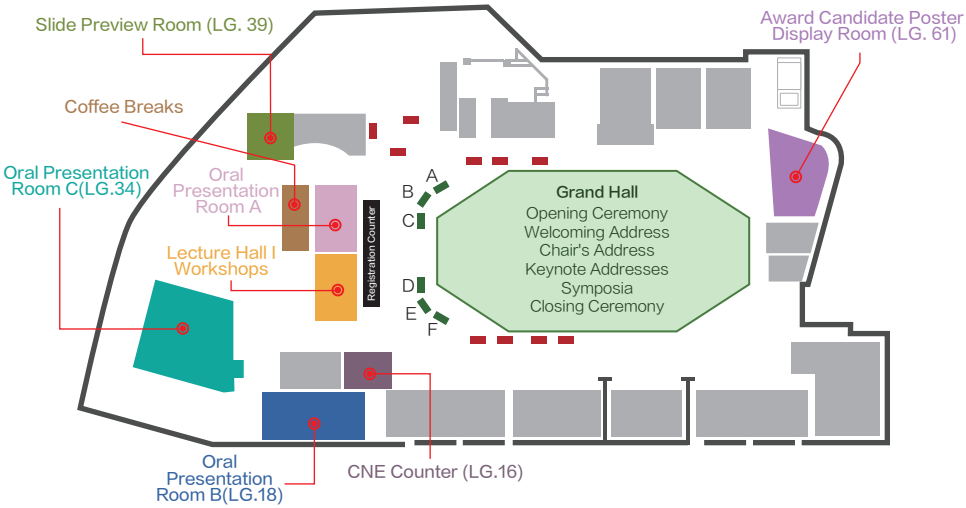
Address:

Grand Hall, Lee Shau Kee Lecture Centre
LG/F, Centennial Campus, The University of Hong Kong

Taxi drop off point	Centennial Gate, Lee Shau Kee Lecture Centre, Centennial Campus 香港大學百周年校園李兆基會議中心
MTR station	HKU Station, Exit C1 港鐵港大學站C1出口

Floor Plan

Venue:
Grand Hall, Lee Shau Kee Lecture Centre
LG/F, Centennial Campus

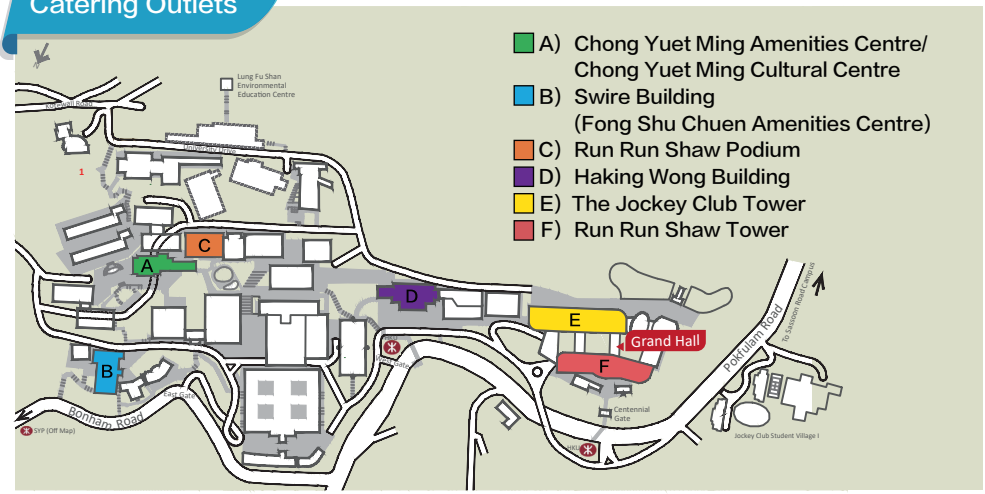


List of Exhibitors

Booth No.	Organization
A and B	The University of Hong Kong
C	3M Hong Kong Ltd.
D	DxR Asia Pacific Ltd.
E	Efficiency Medical Products Co Ltd.
F	National University of Singapore

EAFONS Catering Outlets

Catering Outlets



1. Chong Yuet Ming Amenities Centre Restaurant

4/F, Chong Yuen Ming Cultural Centre

Local fast food and Cha Chaan Teng

2. Café 330

2/F, Chong Yuen Ming Amenities Centre

Hot meal, salads, sandwiches and coffee

3. Fong Shu Chuen Amenities Centre Restaurant

2/F, Fong Shu Chuen Amenities Centre

Local fast food and Asian food

4. 27 Kebab House

1/F, Fong Shu Chuen Amenities Centre

Halal food and beverages

5. SUBWAY

Run Run Shaw Podium

Submarine sandwiches and beverages

6. Kiosk by The Sandwich Club

Run Run Shaw Podium

Bento boxes, pastries, sandwiches and salads

7. Union Restaurant

4/F, Haking Wong Building

Local fast food and Asian food

8. Oliver's Super Sandwiches

LG/F, The Jockey Club Tower, Centennial Campus

Sandwiches, baked potato, pasta, salad and coffee

9. Alfafa Café

G/F, The Jockey Club Tower, Centennial Campus

Pasta, sandwiches, salads, pastries and specialty coffee

10. Gourmet Asia

G/F, Run Run Shaw Tower, Centennial Campus

Southeast Asia Cuisine

11. BIJAS Vegetarian

G/F, Run Run Shaw Tower, Centennial Campus

Vegetarian food (Chinese cuisine)

Keynote Address

March 6, 10:30 - 11:30 Grand Hall

Doctoral Nursing Education and Wellness for the World

Professor Azita Emami
Dean
Linda Koch Lorimer Professor of Nursing
Yale School of Nursing
Yale University
United States

Biography:

Dr. Azita Emami joined the Yale School of Nursing in 2023 as Dean, and Linda Koch Lorimer Professor of Nursing. She is an active researcher, an international advocate for expanding nursing's role in primary care, and a powerful voice for global equity of healthcare access. Her academic leadership experience spans two countries and 25 years.

Dean Emami a trustee of the Robert Wood Johnson Foundation and Yale New Haven Hospital, and she serves on several professional boards and committees. Dean Emami was a U.S. leader of the international Nursing Now initiative, a three-year global campaign (2018-2020) in collaboration with the International Council of Nurses and the World Health Organization that raised the visibility, status, and education opportunities of nurses worldwide.

Equity of opportunity in nursing education is a focal point for Dean Emami, who has been a national leader in developing efforts directed at making diversity, equity and inclusion a priority at schools of nursing. She initiated creation of the nation's first Center for Antiracism in Nursing, and has written and spoken in numerous professional settings to advocate for health equity and make visible the role of racial injustice and other social determinants as root causes of disparities in health outcomes and barriers to health care access for all.

Abstract:

Doctorally-prepared nurses generally hold either a PhD or DNP degree. Those with a PhD become researchers, nursing faculty, policy makers, administrators, and advocates. Those with a DNP degree are clinicians who provide high-level diagnostic, preventive, and critical care. They too become nursing faculty, policy makers, administrators, and advocates.

Illness is treated; wellness is created. If our intent is wellness for the world—if we truly intend to meet the Sustainable Development Goals set forth the United Nations—we need to redefine health care as promoting wellness rather than just treating illness. Promoting wellness requires PhD and DNP nurses who are prepared to provide not only clinical care, but also policy initiatives, public communication, and education.

There are approximately 8 billion people in the world. There are an estimated 10 million physicians. We need doctorally-prepared nurses because they are uniquely prepared as advocates and promoters of wellness, and the DNPs are prepared to provide primary care including prevention. Without their presence, the goal of wellness in the world will remain unattainable.

Keynote Address

March 7, 11:00 – 12:00 Grand Hall

The Future for Doctoral Education in Nursing is Uncertain without Research Impact

Professor Hugh McKenna
Professor of Nursing
School of Nursing
Ulster University
United Kingdom

Biography:

Professor Hugh McKenna was, until recently, Dean of Medical School Development and Pro Vice Chancellor Research and Innovation at Ulster University, UK. He has over 250 publications, including 17 books; his latest on Research Impact. His research has been cited 23,252 times. He was appointed Commander of the British Empire (CBE) and is a Fellow of four prestigious nursing organisations. In 2013, he received an Outstanding Achievement Award from the Royal College of Nursing and in 2014, a Lifetime Achievement Award at the Royal College of Psychiatrists. In a 2018 Government report, he was named one of the most influential nurses in the 70-year history of the NHS. In 2023, Nursing Times named him as one of the most influential nurses in the 75 years of the NHS. Also in 2023, he was named as one of the top 100 nurses in the 100-year history of Sigma Theta Tau.

He was Course Director for the first professional doctorate in nursing in Europe and established a University-wide Doctoral College. He has co-authored 12 peer reviewed papers on nurse doctoral education, many relating to the identification and application of quality indicators. He also co-authored a textbook entitled 'Doctoral Education in Nursing: an international perspective'. In a 2022 paper he discusses the quality of doctoral education in seven countries-Australia, South Africa, Japan, United Kingdom, United States, Thailand and South Korea. He was a co-founder of the International Network of Doctoral Education in Nursing (INDEN), which has membership across 34 different countries. https://indenglobal.org/. In 2008, 2014 and 2021, he chaired the UK's Research Excellence Framework's (REF) expert panel assessing research on dentistry, pharmacy, biomedical science, allied health professions and nursing and midwifery. A core element of the assessment was reviewing the support for doctoral students and programmes in UK Universities.

He has chaired research quality panels for the Swedish Research Council and chaired numerous panels for the Hong Kong Council for Accreditation. In 2019 and 2020, he received two Honorary Doctorates and held 7 international visiting professorships. In 2019, he was appointed Member of the Academia Europaea and in 2020 a Member of the European Academy of Sciences and Arts. His recent appointments include: in 2020, Trustee on the Alzheimer's Society UK, in 2022, Auditor for the Hong Kong Quality Assurance Council; in 2023, member of the Hong Kong Standing Review Board, in 2023,

Visiting Professor at Brunel University, and in 2023, Editor in Chief of the Journal of Psychiatric and Mental Health Nursing. He is married to Tricia, a nurse, and they have a son and a daughter.

Abstract:

This presentation will outline the complex relationship between doctoral education and research impact. It will begin by defining research impact, what it is and what it is not. The reasons why doctoral students should pursue research impact will be explored and the importance of designing a pathway to impact at the commencement of the study. Pursuing research impact during and after the doctoral journey will be analysed. Finally, the challenges facing doctoral students and doctoral graduates in achieving research impact will be highlighted. This will include the time lag between research and impact, attribution theory, applied research versus basic research, the difficulty in capturing impact comprehensively and the fact that some research impact may not be positive. Finally, questions will be explored as to whether the pursuit of research impact is a distraction from doing research. There is also some uncertainty on the training that post graduate nurses require and receive to ensure that the findings from their studies are impactful. The effect of these issues on the impact of nurse doctoral research will be explored.

Symposium 1

Interdisciplinary Research and Interprofessional Education

March 6, 13:00–14:30
Grand Hall

Moderators:

- Professor Pregamol Rutchanagul, Dean and Assistant Professor, Faculty of Nursing, Thammasat University, Thailand
- Dr. Polly Chan, Senior Lecturer, School of Nursing, The University of Hong Kong, Hong Kong

Presentations and Speakers

Improving Cancer and Palliative Care Outcomes: The Role of Interdisciplinary Research
Professor Jane Phillips, Professor and Head, School of Nursing, Queensland University of Technology, Australia

Effect of Feeding Mode on the Intestinal Microbiota of Healthy Chinese Infants: A Prospective Observational Study
Professor Kris Lok, Assistant Professor, School of Nursing, The University of Hong Kong, Hong Kong

Artificial Intelligent-enabled Virtual Reality Simulation for Interprofessional Education
Professor Sok-ying Liaw, Professor and Head, Alice Lee Centre for Nursing Studies, National University of Singapore, Singapore

Interprofessional Education: The Journey not the Destination
Professor Cheryl Chia-hui Chen, Dean and Professor, School of Nursing, National Taiwan University, Taiwan

Improving Cancer and Palliative Care Outcomes: The Role of Interdisciplinary Research

Professor Jane Phillips, Professor and Head, School of Nursing, Queensland University of Technology, Australia

Biography:

Professor Jane Phillips, PhD, RN, FACN is Head of School at the QUT School of Nursing. She is a Registered Nurse with extensive experience as a leader in research and education in the health sector. She has just been named Australia's top researcher in the field of hospice and palliative care in the Australian's list of top 250 researchers in 2021.

Jane is at the forefront of her field and brings her considerable clinical nursing, national policy and academic expertise to deliver outcomes that are changing practice and enhancing palliative care globally. Her interdisciplinary program of research targets the delivery of care that enables people to spend more days in their place of choice, to move seamlessly between care settings and to receive best evidence-based palliative care.

She was previously the Director of IMPACCT, (Improving Palliative, Aged and Chronic Care Through Clinical Research and Translation).

Abstract:

Introduction: Evidence-based palliative care requires an interdisciplinary approach to address individual patients' and families' physical, psychological, social, spiritual, and financial needs.

Aim: To provide an overview of how interdisciplinary research has advanced our understanding of people with palliative care needs and their family's requirements.

Methods: A critical overview of recent interdisciplinary palliative care studies and how they have advanced our understanding of patients' and families' care and support needs.

Conclusion: Interdisciplinary research is critical to advancing palliative care symptoms and model of care science

Effect of Feeding Mode on the Intestinal Microbiota of Healthy Chinese Infants: A Prospective Observational Study

Professor Kris Lok, Assistant Professor, School of Nursing, The University of Hong Kong, Hong Kong

Biography:

Dr. Kris Lok is an assistant professor in the School of Nursing at the University of Hong Kong. She has worked throughout her career to maternal and child health research, with a focus on breastfeeding, infant feeding, human milk and gut microbiome, the Baby-Friendly Hospital Initiative and development and use of digital technologies in healthcare and healthcare education.

Dr. Kris Lok advances the body of research in maternal and child health outcomes with a focus on breastfeeding. She was commissioned from the Food and Health Bureau to launch a Breastfeeding Friendly Community Initiative Program to support breastfeeding in the community. Their team developed a user-friendly breastfeeding app as well as building support and awareness in the community. Dr Lok works together with the Hospital Authority, Department of Health and non-government organisations to improve awareness of the needs of breastfeeding mothers and change behaviour in the community. Her research seeks to inform public policies and transform perinatal healthcare services.

Dr. Kris Lok, was awarded in 2021, Faculty Knowledge Exchange Award, for the Baby Friendly Community Initiative Program – Development of a New Breastfeeding GPS App. Most recently, she served as the Committee member on Publicity on Breastfeeding – Promotion of Breastfeeding Family Health Service, Department of Health Hong Kong SAR Government.

Abstract:

We examined the associations between infant feeding mode and infant gut bacterial communities.

This prospective observational study took place in Hong Kong, between August 2018, and December 2019. Infant stool samples of 217 healthy infant were collected at 6 weeks. Infant stool samples were available for sequencing of the 16S ribosomal RNA gene.

In the 217 healthy mother and infant pairs (mean age at time of specimen collection 39 days (SD: 1.08) and 93 (42%) were male. The breastfeeding and expressed milk fed infants exhibited similar relative abundance of major bacterial phyla, including Proteobacteria, Bacteroidetes, Firmicutes and Actinobacteria. Additionally, Firmicutes (median, breastfed 12.81% vs expressed milk 10.8% vs formula milk 21.05%) and Verrucomicrobia (mean, breastfed 0% vs expressed milk 0% vs formula milk 2.22%)) were significantly higher in the gut microbiota of formula fed infants group ($p<0.0005$; $p<0.05$).

The results of this study indicate that the bacteria in the infant gut are similar whether the infants were directly breastfed or fed expressed milk. Therefore, the mode of breastfeeding did not alter the microbiota parameters. However, significant differences were found between the microbiota composition of breast and formula fed infants.

Artificial Intelligent-enabled Virtual Reality Simulation for Interprofessional Education

Professor Sok-ying Liaw, Professor and Head, Alice Lee Centre for Nursing Studies, National University of Singapore, Singapore

Biography:

Sok Ying's PRIME research focuses on patient safety with emphasis on: Recognising and responding to clinical deterioration; Interprofessional collaboration and education, Manpower nursing workforce and development and; Experiential learning using simulation. She has led the development and evaluation of simulation-based educational programmes including e-RAPIDS (Rescuing A Patient In Deterioration Situation) and CREATIVE (Create Real-time And Teamwork In Virtual Environment) which were translated into curriculums and licensed to overseas institutions. Currently she is an associate editor of Clinical Simulation in Nursing).

Abstract:

The use of Artificial intelligent (AI) medical doctor agent presents more opportunities for nursing students to engage in interprofessional team training. With evolving artificial intelligent (AI), an AI medical team player was developed and replaced the human-controlled avatar as the virtual doctor.

The aim of the study is to evaluate the effectiveness of an AI-powered doctor compared to the human-controlled doctor avatar in training nursing students for sepsis care and interprofessional communication.

A randomized controlled trial study was conducted. Sixty-four nursing students from National University of Singapore were recruited and randomly assigned to undertake sepsis team training with an AI-powered doctor (AI-powered group) or with medical students using virtual reality simulation (human-controlled group). Pre-test and post-test questionnaires were administered to assess nursing students' sepsis knowledge and self-efficacy in interprofessional communication. Simulation-based assessments were conducted within 2 weeks of postintervention to assess both groups' sepsis and communication performance.

No significant differences were found in interprofessional communication performance and sepsis care between the two groups. The AI-powered group had statistically significant higher sepsis post-test knowledge scores (P<.001), but not in the human-controlled group. The human-controlled group reported a significant higher level of self-efficacy in interprofessional communication (P<.001) than the AI-powered group.

This shed light on the effectiveness of AI-powered doctor in supporting nursing students with interprofessional learning where the opportunity to form interprofessional teams with medical students is lacking. Given the varied learning outcomes between AI-powered and human-controlled VRS approaches, our study recommended blending them along with face-to-face simulation to optimize students' learning.

Full paper published in: Liaw, S. Y., Tan, J. Z., Bin Rusli, K. D., Ratan, R., Zhou, W., Lim, S., Lau, T. C., Seah, B., & Chua, W. L. (2023). Artificial intelligence versus human-controlled doctor in virtual reality simulation for sepsis team training: Randomized controlled study. Journal of Medical Internet Research, 25, e47748. https://doi.org/10.2196/47748

Interprofessional Education: The Journey not the Destination

Professor Cheryl Chia-hui Chen, Dean and Professor, School of Nursing, National Taiwan University, Taiwan

Biography:

Cheryl Chia-Hui Chen is Dean and Professor at the National Taiwan University School of Nursing. She is also the Director of Nursing at National Taiwan University Hospital. Prof. Chen holds a doctorate in Nursing Science from the Yale University. As a gerontological nurse practitioner, her research focuses on identify effective nursing interventions to manage hospital-acquired complications and their sequelae including delirium, malnutrition (i.e., dysphagia, weight loss), and functional decline.

Key results include an internationally collaborated, modified Hospital Elder Life Program that has been demonstrated to reduce 56% of delirium and 45% of incident frailty for older patients undergoing major abdominal surgery. Another highlight is the Swallowing and Oral-Care (SOC) program that provided to critically ill patients with prolonged endotracheal intubation. The SOC has been demonstrated to significantly enhance patients' oral-feeding resumption (2.35-fold more likely) and reduce pneumonia by 72% post-extubation.

Prof. Chen works collaboratively with multidisciplinary researchers and consults nationally and internationally with various providers. She is a recipient of several research awards, including the National Research Service Award from the US National Institutes of Health, Anthony DiGuida Delta Mu Research Prize from Yale University, and Green Apricot Award from the National Taiwan University College of Medicine. Her work has been published in the high impact journals including JAMA Network Open, JAMA Surgery, Critical Care, and International Journal of Nursing Studies. Her current focus is on education and translation of those effective nursing interventions in sustainable hospital-based programs in Taiwan and beyond.

Abstract:

With roots in the 1960s and 1970s, Interprofessional education (IPE) provides students with opportunities to learn together with other professions to develop the skills, knowledge, and attitudes required for working in a collaborative manner. Although the concept is well taken, we remain faced with the daunting challenge of implementing IPE in the nursing program, particularly at baccalaureate level.

Traditionally, working in silos is common in the healthcare industry. A hospital has groups of experts separated by department, specialization, or location — a very common approach. In fact, each discipline trains separately; many schools operate independently, professional silos are retained.

IPE is important to break down professional silos. However, there is no consensus on the best practice methods for teaching, professional pairings, evaluation, and whether continuous courses offer more benefit than single event sessions. Additionally, IPE is time-consuming and logistically challenging. One of daunting challenges of initiating an IPE curriculum is scheduling face-to-face interprofessional sessions with three, four, or more disciplines, each with its own unique academic calendar with most medicine, nursing, pharmacy, medical technology, or physical therapy students are tightly scheduled to follow a continuously rotating clinical schedule.

As a nursing school operates under the umbrella of College of Medicine, we have the advantage of incorporating formal and extracurricular IPE sessions into our undergraduate program. We believe that IPE is a journey not a destination. Providing opportunities allows nursing students working with interdisciplinary healthcare teams —both in the classroom and during student placements in practice is a great first step forward. Learning together to work together for better health

Symposium 2

Nursing Leadership Development for Greater Impact

March 6, 15:00 – 16:30
Grand Hall

Doctoral nursing education plays a crucial role in shaping the future of nursing leaders and generating meaningful impacts. This symposium aims to provide nursing professionals and students with valuable insights and advice on how to prepare for different development pathways and excel as future nursing leaders. The symposium will delve into diverse perspectives, including leading nursing schools, generating research impact, improving clinical practice, modernising professional development and regulation, mentoring of future leaders, and advancing leadership training to support policy, to explore how nursing leadership contributes to the advancement of the nursing profession and positively impacts communities they serve. Our esteemed panel of speakers will engage in a roundtable discussion and provide interactive dialogue with the participants. Participants will be better prepared to navigate their own leadership journey, contribute to the growth and advancement of the nursing profession, and make a lasting impact on the well-being of individuals and the broader community.

Moderators:

- Professor Sophia Chan, Director of HKU Primary Health Care Academy, The University of Hong Kong, Hong Kong
- Professor Chia-Chin Lin, Director and Professor, School of Nursing, The University of Hong Kong, Hong Kong

Presentations and Speakers

Essentials for Educating Nurse-Leaders
Professor Azita Emami, Dean, Linda Koch Lorimer Professor of Nursing, Yale School of Nursing, Yale University, the United States

Research Without Impact is a Wasted Opportunity
Professor Hugh McKenna, Professor of Nursing, School of Nursing, Ulster University, United Kingdom

Impacts on Clinical Practice: The Alpha and The Omega
Dr. Danny Tong, Chief Manager (Nursing)/ Chief Nurse Executive, Hospital Authority, Hong Kong

Modernizing Professional Development and Regulation
Professor Agnes Tiwari, Chairman, The Nursing Council of Hong Kong, Hong Kong

Mentorship for Leadership
Professor Judith Parker, Professor, School of Nursing, University of Melbourne, Australia

Empowering Nurse Leaders: The Importance of Nursing Leadership Capacity Building in Hong Kong
Professor Sophia Chan, Director of HKU Primary Health Care Academy, The University of Hong Kong, Hong Kong

Essentials for Educating Nurse-Leaders

Professor Azita Emami, Dean, Linda Koch Lorimer Professor of Nursing, Yale School of Nursing, Yale University, the United States

Biography:

Dr. Azita Emami joined the Yale School of Nursing in 2023 as Dean, and Linda Koch Lorimer Professor of Nursing. She is an active researcher, an international advocate for expanding nursing's role in primary care, and a powerful voice for global equity of healthcare access. Her academic leadership experience spans two countries and 25 years.

Dean Emami a trustee of the Robert Wood Johnson Foundation and Yale New Haven Hospital, and she serves on several professional boards and committees. Dean Emami was a U.S. leader of the international Nursing Now initiative, a three-year global campaign (2018-2020) in collaboration with the International Council of Nurses and the World Health Organization that raised the visibility, status, and education opportunities of nurses worldwide.

Equity of opportunity in nursing education is a focal point for Dean Emami, who has been a national leader in developing efforts directed at making diversity, equity and inclusion a priority at schools of nursing. She initiated creation of the nation's first Center for Antiracism in Nursing, and has written and spoken in numerous professional settings to advocate for health equity and make visible the role of racial injustice and other social determinants as root causes of disparities in health outcomes and barriers to health care access for all.

Research Without Impact is a Wasted Opportunity

Professor Hugh McKenna, Professor of Nursing, School of Nursing, Ulster University, United Kingdom

Biography:

Professor Hugh McKenna was, until recently, Dean of Medical School Development and Pro Vice Chancellor Research and Innovation at Ulster University, UK. He has over 250 publications, including 17 books; his latest on Research Impact. His research has been cited 23,252 times. He was appointed Commander of the British Empire (CBE) and is a Fellow of four prestigious nursing organisations. In 2013, he received an Outstanding Achievement Award from the Royal College of Nursing and in 2014, a Lifetime Achievement Award at the Royal College of Psychiatrists. In a 2018 Government report, he was named one of the most influential nurses in the 70-year history of the NHS. In 2023, Nursing Times named him as one of the most influential nurses in the 75 years of the NHS. Also in 2023, he was named as one of the top 100 nurses in the 100-year history of Sigma Theta Tau.

He was Course Director for the first professional doctorate in nursing in Europe and established a University-wide Doctoral College. He has co-authored 12 peer reviewed papers on nurse doctoral education, many relating to the identification and application of quality indicators. He also co-authored a textbook entitled 'Doctoral Education in Nursing: an international perspective'. In a 2022 paper he discusses the quality of doctoral education in seven countries-Australia, South Africa, Japan, United Kingdom, United States, Thailand and South Korea. He was a co-founder of the International Network of Doctoral Education in Nursing (INDEN), which has membership across 34 different countries. https://indenglobal.org/. In 2008, 2014 and 2021, he chaired the UK's Research Excellence Framework's (REF) expert panel assessing research on dentistry, pharmacy, biomedical science, allied health professions and nursing and midwifery. A core element of the assessment was reviewing the support for doctoral students and programmes in UK Universities.

He has chaired research quality panels for the Swedish Research Council and chaired numerous panels for the Hong Kong Council for Accreditation. In 2019 and 2020, he received two Honorary Doctorates and held 7 international visiting professorships. In 2019, he was appointed Member of the Academia Europaea and in 2020 a Member of the European Academy of Sciences and Arts. His recent appointments include: in 2020, Trustee on the Alzheimer's Society UK, in 2022, Auditor for the Hong Kong Quality Assurance Council; in 2023, member of the Hong Kong Standing Review Board, in 2023, Visiting Professor at Brunel University, and in 2023, Editor in Chief of the Journal of Psychiatric and Mental Health Nursing. He is married to Tricia, a nurse, and they have a son and a daughter.

Impacts on Clinical Practice: The Alpha and The Omega

Dr. Danny Tong, Chief Manager (Nursing)/ Chief Nurse Executive, Hospital Authority, Hong Kong

Biography:

Dr Danny TONG is currently the Chief Manager (Nursing) / Chief Nurse Executive (CM(N)/CNE) of Nursing Services Department at Hospital Authority Head Office (HAHO).

Dr Tong is a nursing leader dedicated to improving clinical practice. Recognising the significance of simulation training, he and his team established the first infectious disease (ID) simulation training centre at HA ID Centre in 2009 to render simulation training to all HA nurses. Also, he advocates for the integration of simulation training into nursing training curriculum of all nursing staff, with a focus on newly qualified nurses. This effectively broadens the talent pool of simulation facilitators and trainers to address the training needs in various specialties.

Dr Tong actively leads Evidence-Based Practice (EBP) and nursing research. A corporate EBP and Research Promotion Working Group was established to guide and monitor the effectiveness of corporate EBP projects and research studies, as well as to create a central talent pool and collaboration hub, fostering partnerships between HA and academic institutions.

Dr Tong has spearheaded numerous large-scale projects that have significantly impacted nursing practice. The development of post creation framework for Nurse Consultant and Associate Nurse Consultant is one of the notable achievements. These two ranks largely contribute to specialty development, facilitating the integration of cutting-edge technologies and advancements in their specialty service.

Modernizing Professional Development and Regulation

Professor Agnes Tiwari, Chairman, The Nursing Council of Hong Kong, Hong Kong

Biography:

Professor Agnes Tiwari is the Head of School of Nursing, Hong Kong Sanatorium & Hospital; Honorary Professor of the School of Nursing, The University of Hong Kong; Chairman of the Nursing Council of Hong Kong; Member of the Hospital Authority Board and former Head of the HKU School of Nursing (2011 – 2017).

In April 2018, the Food and Health Bureau of the Hong Kong SAR Government invited the Nursing Council to formulate a Voluntary Scheme on Advanced and Specialised Nursing Practice. As Chairman of the Nursing Council, Professor Tiwari has convened a Working Group on Advanced and Specialised Nursing Practice since 2018. The Working Group has provided a platform for the Council to work closely with the Hong Kong Academy of Nursing with the launch of the Voluntary Scheme comprising 16 specialties of advanced nursing practice in 2022. Work is ongoing towards the setting up of a mechanism for advanced/specialised practice register under the Nursing Council of Hong Kong.

Mentorship for Leadership

Professor Judith Parker, Professor, School of Nursing, University of Melbourne, Australia

Biography:

Professor Judith Parker was the foundation Professor and Head of the School of Nursing at the University of Melbourne (UoM) from 1996 to 2004 where she established higher degree programs, a strong research agenda, and post graduate coursework programs in a range of specialities. Since then, she has held other leadership positions in Nursing and is an advisor and mentor to senior academic staff and other leaders within in the health care system.

Professor Parker has been a Visiting Professor at the School of Nursing at The University of Hong Kong (HKU) for more than 20 years advising on strategic initiatives, governance, and curriculum and program accreditations. In this role she visited the School of Nursing frequently and in 2017 she took up the role of Acting Head of the School of Nursing at HKU for four months.

In 2001 she was included on the inaugural Victorian Honour Roll for Women and in 2002 she was made a Member of the General Division of the Order of Australia. In 2006 she was awarded an honorary Doctor of Medicine by the University of Melbourne in recognition of her contribution to nursing scholarship.

Empowering Nurse Leaders: The Importance of Nursing Leadership Capacity Building in Hong Kong

Professor Sophia Chan, Director of HKU Primary Health Care Academy, The University of Hong Kong, Hong Kong

Biography:

Professor Sophia Chan is currently Professor in Nursing, Senior Advisor to the President's Office at The University of Hong Kong, Director of HKU Primary Health Care Academy and Policy Convenor of the HKUMed Primary Health Care Collaboratory. She was appointed by the HKSAR Government to be the Secretary for Food and Health (SFH) from 2017 - 2022. During her tenure as the SFH, not only has she been fighting the COVID-19 pandemic over 2.5 years, she had also made exemplary efforts and policy initiatives in protecting and promoting the health of the population through major policy initiatives such as embarking on a new journey in primary health care by developing District Health Centres (DHCs) in all 18 districts in Hong Kong. Professor Chan is one of the leading Nurse Scientists locally and internationally and was named among the world's top 2% most cited scientists in her specialty areas by Stanford University in 2020. She has always been the top-funded researcher in HKU School of Nursing and has led many external competitive grants including GRF, HMRF, and commissioned grants from the Government, Hong Kong Jockey Club and key foundations and organisations locally and internationally. She is a pioneer and founding directors of a number of signature research and training programmes in tobacco dependency therapeutic interventions, and her findings has transformed smoking cessation services and tobacco control policies.

Symposium 3

Doctoral Nursing Education in East Asian Region

March 7, 09:00 - 10:30
Grand Hall

Doctoral nursing education plays a vital role in nurturing future nursing leaders and generating significant impacts in healthcare services, education and research. With the continuing evolvement of the research and clinical doctoral degree Programmes in the East Asian region, this symposium aims to provide a systematic comparison between these two types of Programmes across the territories. By using the Donabedian model to guide the close scrutiny on the structure, process and outcomes of these two major types of the Programmes, the symposium will provide important insights on the unique focuses and potential synergies of these Programmes. The cross-countries comparison also provide important insights on how doctoral nursing education is shaped by the advanced nurses roles in the different healthcare context. By participating in this symposium, attendees will gain a deeper understanding about the evolving roles of the contemporary doctoral education in catalyzing nursing science and advanced practice roles development, and gain a deeper understanding of the process of professionalization in the nursing discipline.

Moderators:

- Professor Mari Ikeda, Professor, Department of Family Nursing, The University of Tokyo, Japan
- Professor Chia-Chin Lin, Director and Professor, School of Nursing, The University of Hong Kong, Hong Kong

Speakers

Professor Doris Yu, Professor, School of Nursing, The University of Hong Kong, Hong Kong

Professor Sakiko Fukui, Dean and Professor, Tokyo Medical and Dental University, Japan

Professor Hong-Gu He, Professor, Alice Lee Centre for Nursing Studies, Yong Loo Lin School of Medicine, National University of Singapore, Singapore

Professor Yeojin Im, Professor and Associate Dean, College of Nursing Science, and Director, Department of Nursing, The Graduate School of Kyung Hee University, South Korea

Professor Jennifer Paguio, Associate Professor, College of Nursing, The University of the Philippines Manila, the Philippines

Professor Cheryl Chia-hui Chen, Dean and Professor, School of Nursing, National Taiwan University, Taiwan

Professor Doris Yu, Professor, School of Nursing, The University of Hong Kong, Hong Kong

Biography:

Doris Yu is the Chair in Research at the School of Nursing, LKS Faculty of Medicine and the Associate Director of the Sau Po Center on Aging, the University of Hong Kong. Her research focuses on healthy aging promotion, disease management models for heart failure and dementia, and family caregiving. Her work has extensively integrated the concepts in dyadic science, digital healthcare and integrated care model. She has received over USD 10M external competitive grant to support the research work. Professor Yu is very enthusiastic to promote evidence-based practice. She has actively engaged in the Aging Expert Panel of the American Academy of Nursing, and serves a number of expert advisory panels of both government and non-government sectors to support priority-setting for aged care policy and service. Over the years, Professor Yu actively engages in science implementation and has developed various territory-wide evidence-based programs to increase the preparedness of rapid population aging in the educational and healthcare pursuits.

Professor Sakiko Fukui, Dean and Professor, Tokyo Medical and Dental University, Japan

Biography:

Dr. Sakiko Fukui is a Dean of Graduate School of Health Care Sciences and a Professor of Department of Home Health and Palliative Care Nursing at Tokyo Medical and Dental University (TMDU), Tokyo, Japan. She obtained her undergraduate degree (1993) and Ph.D. (2000) in Health Sciences from the University of Tokyo. During that time, she worked as a hospital nurse in the same University (1993-1995). She was a postdoctoral fellow at the Washington University in St. Louis (2000-2001), an Assistant Professor at the Tokyo Metropolitan University (2002-2007), an Government Officer of Nursing at Ministry of Health, Labor and Welfare (2008-2009), a Professor of the Nursing College of Japanese Red Cross (2010-2017) and a Professor of Osaka University (2017-2020). She has been in her current position since 2021.

Her specialty is home care nursing and geriatric nursing. Recently, she has been conducting two types of research. First is "AI analysis research using nationwide claim data to provide evidence of the care and cost effectiveness through the involvement of nurses." Second is "DX research using sensor machines to continuously observe patient conditions to predict the occurrence of events like emergency hospitalization and death of patients for developing care recommendation IoT system."

Professor Hong-Gu He, Professor, Alice Lee Centre for Nursing Studies, Yong Loo Lin School of Medicine, National University of Singapore, Singapore

Biography:

Professor HE Hong-Gu Linda (PhD, RN, MD, FAAN) is a Tenured Professor at the Alice Lee Centre for Nursing Studies, Yong Loo Lin School of Medicine, National University of Singapore (NUS Nursing), where she serves as the Director of Graduate Research Programmes and Chair of Women and Children Health Care Research Programme. She holds a significant role as an Executive Committee Member at the East Asian Forum of Nursing Scholars (EAFONS). Recognized for her outstanding contributions, Professor He was inducted into the Sigma's 2023 International Nurse Researcher Hall of Fame. Her research areas include women and children healthcare and chronic disease management, focusing on enhancing health outcomes and advancing cost-effective care through interventions. She is passionate about the involvement of technology in her interdisciplinary and interventional programmes for various clients by collaborating with global experts. Professor He has secured over SGD19 million in research grants and has an impressive publication record, with 205 peer-reviewed journal articles and an h-index of 31, placing her among the Top 2% of highly cited scientists worldwide.

Professor Yeojin Im, Professor and Associate Dean, College of Nursing Science, and Director, Department of Nursing, The Graduate School of Kyung Hee University, South Korea

Biography:

YeoJin Im, a distinguished nursing scholar, earned her PhD in Nursing from Korea University, followed by postdoctoral research at Oregon Health and Science University and specialized training as a Pediatric Nurse Practitioner at Yale University. Her illustrious career includes roles as a research professor at Korea University and teaching positions at Kyung Hee University, where she currently serves as a Professor, Associate Dean of the College of Nursing Science, and Director of the Department of Nursing at the Graduate School of Kyung Hee University. With a dedicated focus on child health nursing, she actively engages in academic committees and editorial boards, notably chairing the Korean Society of Nursing Science's Academic Committee and serving as Academic Committee Chair for the Korean Academy of Child Health Nursing. Im's commitment to advancing nursing education and research is evident through her leadership roles and contributions to scholarly publications. She played a pivotal role in developing and evaluating the Living Lab-based ICT Utilization Chronic Illness Pediatric Family-Centered Nursing Program (FCC Lab) and conducted research on family management styles and functions in families of children with chronic illnesses.

Professor Jennifer Paguio, Associate Professor, College of Nursing, The University of the Philippines Manila, the Philippines

Biography:

Associate Professor Jenniffer Paguio is a tenured member of the College of Nursing faculty at the University of the Philippines Manila. She holds a Bachelor's and a Master's degree in Nursing from the same institution and completed her doctoral studies at the Chinese University of Hong Kong in 2020. Dr. Paguio is passionate about teamwork, patient safety, evidence-based practice, and responsive national nursing policies to ensure healthy practice environments. She has published in local and international journals in the areas of nursing practice and education. She is a faculty mentor for undergraduate and graduate students and is one of the new faculty members in the Doctor of Philosophy in Nursing program of her institution. Dr. Paguio is a fellow of the New York Academy of Medicine and a member of the Philippine Department of Health National Committee on Patient Safety.

Professor Cheryl Chia-hui Chen, Dean and Professor, School of Nursing, National Taiwan University, Taiwan

Biography:

Cheryl Chia-Hui Chen is Dean and Professor at the National Taiwan University School of Nursing. She is also the Director of Nursing at National Taiwan University Hospital. Prof. Chen holds a doctorate in Nursing Science from the Yale University. As a gerontological nurse practitioner, her research focuses on identify effective nursing interventions to manage hospital-acquired complications and their sequelae including delirium, malnutrition (i.e., dysphagia, weight loss), and functional decline.

Key results include an internationally collaborated, modified Hospital Elder Life Program that has been demonstrated to reduce 56% of delirium and 45% of incident frailty for older patients undergoing major abdominal surgery. Another highlight is the Swallowing and Oral-Care (SOC) program that provided to critically ill patients with prolonged endotracheal intubation. The SOC has been demonstrated to significantly enhance patients' oral-feeding resumption (2.35-fold more likely) and reduce pneumonia by 72% post-extubation.

Prof. Chen works collaboratively with multidisciplinary researchers and consults nationally and internationally with various providers. She is a recipient of several research awards, including the National Research Service Award from the US National Institutes of Health, Anthony DiGuida Delta Mu Research Prize from Yale University, and Green Apricot Award from the National Taiwan University College of Medicine. Her work has been published in the high impact journals including JAMA Network Open, JAMA Surgery, Critical Care, and International Journal of Nursing Studies. Her current focus is on education and translation of those effective nursing interventions in sustainable hospital-based programs in Taiwan and beyond.

Symposium 4

Innovative Interventions in Research and Education

March 7, 13:30 - 15:00
Grand Hall

Moderators:

- Professor Pei-Shan Tsai, Dean and Professor, College of Nursing, Taipei Medical University, Taiwan
- Professor Mandy Ho, Associate Professor, School of Nursing, The University of Hong Kong, Hong Kong

Presentations and Speakers

Innovative Interventions in Education and Research
Professor Shannon Tung, Distinguished Professor, College of Nursing, National Yang-Ming University, Taiwan

Using Ultrasonography, XR, and AI in Nursing Education and Practice: Experience at the University of Tokyo
Dr. Toshiyuki Takahashi, Senior Lecture, Nursing Faculty, University of Tokyo, Japan

Expanding the Boundaries of Nursing Education to Enhance the Industrial Impact of the Nursing Profession
Professor Eui Geum Oh, Dean and Professor, College of Nursing, Yonsei University, South Korea

Research Innovation: Experience on Designing Population-based Interventions
Professor Kelvin Wang, Professor, School of Nursing, The University of Hong Kong, Hong Kong

Innovative Interventions in Education and Research

Professor Shannon Tung, Distinguished Professor, College of Nursing, National Yang-Ming University, Taiwan

Biography:

Shannon Tung focuses on cardiovascular care, geriatrics, and nurse practitioner (NP) development that has a measurable, sustained, and current impact. Between 2018-2023, she has 60 international articles with 44 first or correspondent author and served as the PI for five National Science and Technology Council (NSTC) projects, five Ministry of Health and Welfare (MHW) projects, three Ministry of Education (ME) projects, and five industry-university cooperative research projects focused on these three main topics.

The first virtual reality (VR) manual book, titled VR (Virtual Reality) Teaching plus Design Manual, for nursing education in Taiwan was published in May 2022 by Heng-Hsin. Next, she led the group that developed the book and completed an AR (Augmented Reality)/VR manual for APRN (Advanced Practice Registered Nurse) in 2022-2023 and is in publishing process. Particularly, Heng-Hsin led other three nursing faculty to design a creative new way of evaluating FNP student learning outcomes, which are the Midterm by Board Game Competition and the final exam by Escape Room in Gather Town. She got a distinguished FNP course excellent ward in 2023.

Heng-Hsin led seven faculty members, including five from the nursing department and two from the cross-disciplinary informatics engineering department to gain University-Industry Technology Foresight Research Project from NSTC, entitle "Next Generation Nursing Plus: High Efficient Care System". So far, she is considered the first nursing professor to obtain a Technology Foresight Research Project.

Abstract:

In the realms of education and research, innovative interventions are transforming traditional paradigms. In education, immersive learning environments, adaptive systems powered by artificial intelligence, and blockchain credentialing are reshaping the learning experience. These interventions facilitate personalized and engaging education, harnessing technologies like virtual reality and AI-driven adaptability.

In the field of research, crowdsourced funding platforms, quantum computing for simulations, and the integration of data science into social sciences mark significant advances. Emphasis on community-engaged research, digital biomarkers, and remote experiments enhance collaboration and accessibility. These interventions collectively reflect a commitment to inclusivity, collaboration, and technological integration, propelling both education and research into an era of dynamic and impactful advancements.

We provide the examples to illustrate how we make innovative interventions in education in the real world.

Using Ultrasonography, XR, and AI in Nursing Education and Practice: Experience at the University of Tokyo

Dr. Toshiyuki Takahashi, Senior Lecture, Nursing Faculty, University of Tokyo, Japan

Biography:

Toshiyuki Takahashi received his bachelor's degree in nursing from National college of nursing in 2010 and received his PhD in health sciences from the University of Tokyo in 2018. He worked as a nurse in the emergency department of the National Centre for Global Health and Medicine between 2010 and 2013. His main research fields are nursing science and engineering, ultrasound, image processing, augmented reality, and mixed reality. He had started his career as a nursing faculty at the University of Tokyo since 2018 as an assistant professor since. He has been working at the University of Tokyo as a senior lecturer since 2023 April.

Abstract:

In this presentation, we explore the application of technology within the field of nursing, with a specific emphasis on the incorporation of ultrasonography, virtual reality (VR), augmented reality (AR), and artificial intelligence (AI).

Ultrasonography is distinguished as a critical imaging modality in contemporary nursing practice. Its non-invasive approach facilitates the direct visualization of internal anatomical structures in real-time, enabling nursing professionals to conduct objective assessments of patient conditions and monitor the efficacy of therapeutic interventions at the point of care. Notable implementations in Japan encompass vascular evaluations, management of pressure injuries, assessment of urination and defecation, and observation of pharyngeal residuals and aspiration.

As these emerging technologies promote further specialization within nursing, concerns regarding the resultant escalation in educational expenditures have surfaced. Consequently, the utilization of VR and AR technologies is garnering increased attention. These modalities provide educational opportunities without the requisite investment in extensive simulation equipment, and support the provision of remote expert guidance, especially advantageous in-home healthcare settings.

Additionally, the integration of AI such as machine learning techniques in nursing represents a significant advancement, heralding innovative approaches across various sectors. This discussion emphasizes its utility in automated image analysis and the prediction of structured data, heralding improvements in operational efficiency and diagnostic precision within nursing practices.

Using these technologies helps nurses improve their skills, patient care, and adapt to healthcare changes. By continuously integrating these technologies, nursing education and practice can achieve great efficiency and innovation.

Expanding the Boundaries of Nursing Education to Enhance the Industrial Impact of the Nursing Profession

Professor Eui Geum Oh, Dean and Professor, College of Nursing, Yonsei University, South Korea

Biography:

Dr. Oh is the Dean and Professor of College of Nursing at Yonsei University. Dr. Oh completed her PhD at Univ. Illinois Chicago, USA. She served as a president of Korean Association of College of Nursing and Korean Society of Nursing Industry. Also, she was a president-elect, Korean Society of Nursing Science. She has been serving as an editorial board of the International Journal of Nursing Studies and a member of National Academy of Medicine of Korea. She is a Fellow of American Academy of Nursing since 2016. She works on development of strategic R&D project for nursing industrial sector to plan and suggest roadmap at government level. Her research focuses on 1) symptom management and improvement of quality of life among patients with respiratory disease, 2) evidence-based nursing practice and education, 3) designing nursing services for discharged patients with subacute high-risk condition based on nursing data.

Abstract:

The nursing profession is currently experiencing profound transformations in response to a multitude of dynamic external factors. Economic shifts, policy changes, social trends, technological advancements, and alterations in the nursing environment are collectively reshaping the roles and expectations placed on nursing professionals. The emergence of Healthcare 4.0 and the emphasis on universal health coverage and community care underscore the expanding responsibilities of nurses in addressing diverse healthcare needs within evolving societal contexts. Moreover, technological advancements, particularly in the realms of artificial intelligence (AI) and digital biotechnology, present both challenges and opportunities for nursing professionals in enhancing healthcare industry. In light of these challenges, universities with higher education play a pivotal role in preparing future nursing generations to navigate this rapidly evolving landscape.

This presentation aims to outline our university's initiatives in fostering innovation in graduate program to equip students with the skills and mindset necessary to thrive in the contemporary healthcare industry. Specifically, we will delve into our creative and innovative program's vision, goals, strategic objectives, and outcomes towards nursing entrepreneurship among graduate students as well as faculties.

Through sharing our school's experiences and insights, we seek to catalyze collective discourse on innovative approaches to meet the evolving needs of the nursing profession. By fostering the development of future nursing leaders capable of thriving in AI and digital technology-driven healthcare environments, universities can significantly contribute to expanding the horizons of the nursing profession and fostering sustainable growth within the broader healthcare industry.

Research Innovation: Experience on Designing Population-based Interventions

Professor Kelvin Wang, Professor, School of Nursing, The University of Hong Kong, Hong Kong

Biography:

Kelvin Wang is Professor in HKU School of Nursing, Assistant Dean (Professional Development in Health Science) of LKS Faculty of Medicine, Fellow of American Academy of Nursing (FAAN), leader of Smoking Cessation & Tobacco Control team (HKU), and Council member of Hong Kong Council on Smoking & Health, Nursing Council of Hong Kong, Council on Human Reproductive Technology, and Governing Committee Member of HK NT West & HK Island South District Health Centers. He has published more than 210 papers (Google Scholar H-index: 37), raked Top 1% by citation in 2023 (Essential Science Indicators), and awarded Faculty Outstanding Research Output 2022. His interest is on behavioral intervention, addiction, policy evaluation, health communication. He led the team on alternative tobacco products (ATPs) research has been awarded Faculty Knowledge Exchange Award 2022. The Community-based Smoking Cessation Program he led has been awarded American Academy of Nursing Edge Runner as an excellent nursing model.

Abstract:

Nurses plays a pivotal role in health promotion and interventions. Traditional Intensive behavioral interventions have severe limitation on generating population impacts. Generic public health promotion approaches may not generate most effective impacts on population or individuals. Research innovations on identifying efficient, scalable, and sustainable approaches to inform prevention, screening for high-risk group and rehabilitation are very few.

HKU Smoking Cessation and Tobacco Control research team has been developing innovative population-based interventions for decades. We have successfully established several brief smoking cessation intervention models which have been tested in large scaled randomized controlled trials. These models were designed with the aims to be efficient, scalable, and sustainable. I will use the experience accumulated during the past decade to illustrate the innovative ideas on research design, implementation, impact and publication. I will also share my viewpoints on how to prepare for research innovation as a research postgraduate student.

Symposium 5

Strategies to Generate and Evaluate Impacts

March 7, 15:30 - 16:40
Grand Hall

Moderators:

- Professor Yeojin Im, Professor and Associate Dean, College of Nursing Science, and Director, Department of Nursing, The Graduate School of Kyung Hee University, South Korea
- Professor Daniel Fong, Associate Professor, School of Nursing, The University of Hong Kong, Hong Kong

Presentations and Speakers

Implementation Science in Doctoral Nursing Education
Professor Claudia Lai, Honorary Professor, The Hong Kong Polytechnic University, Hong Kong

Implementation Research: The Key to Advance Evidence-based Nursing Practice
Professor Doris Yu, Professor, School of Nursing, The University of Hong Kong, Hong Kong

Use of Theory of Change in Evaluating Impact of the NurseLEAD Programme
Professor Sheila Bonito, Dean and Professor, Nursing and Public Health, University of the Philippines, the Philippines

Implementation Science in Doctoral Nursing Education

Professor Claudia Lai, Honorary Professor, The Hong Kong Polytechnic University, Hong Kong

Biography:

Claudia K.Y. Lai is an Honorary Professor at the Hong Kong Polytechnic University. She has two main research programs – the care of people with dementia and their families and the care of frail older adults. She focuses on interventional and implementation research, aiming to make an impact on the health and wellbeing of humankind through changes in practice. She publishes widely and won a number of research and education awards for her work on health promotion, knowledge dissemination, and dementia care. She serves as an honorary advisor to NGOs and professional associations. Over the course of her career, she volunteers her time for local and international professional initiatives. A member of Sigma Theta Tau International (Sigma) since 1994, she actively participates in various task forces and was elected Sigma's first Asia Regional Coordinator (2011–2015). She was inducted into International Nurse Researcher Hall of Fame in 2018. Presently, she is a member of the Sigma Asia Global Region Committee. She is a fellow of the American Academy of Nursing since 2015, and awarded as a Distinguished Educator in Gerontological Nursing by the National Hartford Center of Gerontological Nursing Excellence in 2021. She is among the world's top 2% cited scientist in own field (single recent year impact 2022) and also named in the database of top-cited scientists in career-long impact.

Abstract:

The Doctor of Philosophy (PhD) and Doctor of Nursing practice (DNP) programs prepare graduates to advance their careers in research, education and clinical practice. These two kinds of programs share common grounds although each has generally been regarded as having different intent and outcomes. Over time, the demarcation between the two becomes blurred, with increasingly more DNP graduates moving into research track careers in academia. On the other hand, scholars also note that there are distinctive features in the two programs, and advocate for PhD-DNP collaborations in furthering implementation science (IS). IS is commonly defined as the study of methods and strategies to promote the uptake of evidence-based interventions into practice to improve care quality. One of the key elements in the appraisal of PhD dissertations is whether it contributes to theoretical knowledge development in the field; whereas DNP capstone projects are expected to synthesis and translate evidence into real world practice for the promotion of quality care. Is this conceptualization of the realm of science between PhD and DNP programs real or fictitious? Does IS has two components, namely, implementation research and implementation practice? This oral paper will discuss the basic tenets of IS and deliberate this increasingly common perception that PhD aimed at the development of evidence-based practice, and DNP is for the translation of evidence into practice.

Implementation Research: The Key to Advance Evidence-based Nursing Practice

Professor Doris Yu, Professor, School of Nursing, The University of Hong Kong, Hong Kong

Biography:

Doris Yu is the Chair in Research at the School of Nursing, LKS Faculty of Medicine and the Associate Director of the Sau Po Center on Aging, the University of Hong Kong. Her research focuses on healthy aging promotion, disease management models for heart failure and dementia, and family caregiving. Her work has extensively integrated the concepts in dyadic science, digital healthcare and integrated care model. She has received over USD 10M external competitive grant to support the research work. Professor Yu is very enthusiastic to promote evidence-based practice. She has actively engaged in the Aging Expert Panel of the American Academy of Nursing, and serves a number of expert advisory panels of both government and non-government sectors to support priority-setting for aged care policy and service. Over the years, Professor Yu actively engages in science implementation and has developed various territory-wide evidence-based programs to increase the preparedness of rapid population aging in the educational and healthcare pursuits.

Abstract:

Interest in implementation research is growing, largely in recognition of the contribution it makes to optimize the impact and utilization of research evidence. Implementation research refers to the scientific investigation of the approach and process used in translating the initiatives which have demonstrated effectiveness in prior research to the formal care system, with vigorous considerations given to the contextual factors affect the overall process. The investigation covers vigorous consideration to the contextual factors affecting the implementation process, and the impact of which at the individual and system level. In this seminar, the speaker will introduce the framework to guide the implementation research in health care. Particular focus will be placed on the types of strategies used to improve the success in the implementation process. The seminar will also discuss the approach to identify and capture the implementation outcome parameters.

Use of Theory of Change in Evaluating Impact of the NurseLEAD Programme

Professor Sheila Bonito, Dean and Professor, Nursing and Public Health, University of the Philippines, the Philippines

Biography:

Sheila Bonito is a professor of nursing and public health at the University of the Philippines. She teaches graduate students in nursing and international health programs in both residential and distance learning modes. Her research and publications are on leadership in nursing, health human resource management, disaster management, and open and distance learning. She is the current Dean of the University of the Philippines Manila College of Nursing and president of the Association of Deans of Philippine Colleges of Nursing. She acts as the Director of UPCN as World Health Organization Collaborating Center for Leadership in Nursing Development. She is involved in the development of policies and programs in nursing education institutions in the country as a member of the Technical Panel in Nursing of the Commission on Higher Education.

Abstract:

Evaluating impact is important in ensuring that projects, programs, or policies are effective and contribute to intended results. One strategy in impact evaluation is the use of the "theory of change" which explains how activities are understood to produce a series of results to achieve the ultimate intended impacts. This framework is useful in guiding causal attribution to positive or negative impact which can inform decision-making and drive improvements in the development and implementation of the intervention. This strategy was used in evaluating the impact of a leadership development program for public health nurses in the Philippines from 2021-2023. The program is called NurseLEAD which focuses on developing the leadership, management, and collaborative functions of public health nurses. Through logic models, the impact evaluation showed how the program benefited the target beneficiaries and also explained the factors that contribute to producing impacts. The monitoring and evaluation tools included a survey of the participants of the NurseLEAD program on their leadership journey and the capstone projects that illustrate their contribution to the communities that they serve. It also involved key informant interviews with immediate supervisors and focus group discussions with target beneficiaries, mostly members of the community or organization where the public health nurses implemented their capstone projects. The use of the theory of change helped bring together evidence from multiple evaluations of public health nurses in various settings and their different capstone projects to determine the impact of the NurseLEAD program.

Workshop 1:

March 6, 13:00 - 14:30
Lecture Hall I

Meeting the Journal Editors

Academic publication is crucial for research dissemination and career advancement. This workshop aims to enhance publication success by offering insights into the editorial process. Participants will learn the importance of manuscript preparation, understand the peer-review system, and acquire strategies to increase acceptance rates. Connect with editors and fellow researchers to foster your publishing journey.

Moderator:
Professor Polly Li, Assistant Professor, School of Nursing, The University of Hong Kong, Hong Kong

Speakers

- Professor Hugh McKenna, Editor-in-Chief, Journal of Psychiatric and Mental Health Nursing
- Professor Doris Yu, Editor, Journal of Advanced Nursing
- Professor Edmond Choi, Editor, Health & Social Care in the Community
- Professor Jay Lee, Assistant Editor, Nurse Education Today
- Professor Benjamin Ho, Associate Editor, Intensive and Critical Care Nursing

Professor Hugh McKenna, Editor-in-Chief, Journal of Psychiatric and Mental Health Nursing

Biography:

Professor Hugh McKenna was, until recently, Dean of Medical School Development and Pro Vice Chancellor Research and Innovation at Ulster University, UK. He has over 250 publications, including 17 books; his latest on Research Impact. His research has been cited 23,252 times. He was appointed Commander of the British Empire (CBE) and is a Fellow of four prestigious nursing organisations. In 2013, he received an Outstanding Achievement Award from the Royal College of Nursing and in 2014, a Lifetime Achievement Award at the Royal College of Psychiatrists. In a 2018 Government report, he was named one of the most influential nurses in the 70-year history of the NHS. In 2023, Nursing Times named him as one of the most influential nurses in the 75 years of the NHS. Also in 2023, he was named as one of the top 100 nurses in the 100-year history of Sigma Theta Tau.

He was Course Director for the first professional doctorate in nursing in Europe and established a University-wide Doctoral College. He has co-authored 12 peer reviewed papers on nurse doctoral education, many relating to the identification and application of quality indicators. He also co-authored a textbook entitled 'Doctoral Education in Nursing: an international perspective'. In a 2022 paper he discusses the quality of doctoral education in seven countries-Australia, South Africa, Japan, United Kingdom, United States, Thailand and South Korea. He was a co-founder of the International Network of Doctoral Education in Nursing (INDEN), which has membership across 34 different countries. https://indenglobal.org/. In 2008, 2014 and 2021, he chaired the UK's Research Excellence Framework's (REF) expert panel assessing research on dentistry, pharmacy, biomedical science, allied health professions and nursing and midwifery. A core element of the assessment was reviewing the support for doctoral students and programmes in UK Universities.

He has chaired research quality panels for the Swedish Research Council and chaired numerous panels for the Hong Kong Council for Accreditation. In 2019 and 2020, he received two Honorary Doctorates and held 7 international visiting professorships. In 2019, he was appointed Member of the Academia Europaea and in 2020 a Member of the European Academy of Sciences and Arts. His recent appointments include: in 2020, Trustee on the Alzheimer's Society UK, in 2022, Auditor for the Hong Kong Quality Assurance Council; in 2023, member of the Hong Kong Standing Review Board, in 2023, Visiting Professor at Brunel University, and in 2023, Editor in Chief of the Journal of Psychiatric and Mental Health Nursing. He is married to Tricia, a nurse, and they have a son and a daughter.

Professor Doris Yu, Editor, Journal of Advanced Nursing

Biography:

Doris Yu is the Chair in Research at the School of Nursing, LKS Faculty of Medicine and the Associate Director of the Sau Po Center on Aging, the University of Hong Kong. Her research focuses on healthy aging promotion, disease management models for heart failure and dementia, and family caregiving. Her work has extensively integrated the concepts in dyadic science, digital healthcare and integrated care model. She has received over USD 10M external competitive grant to support the research work. Professor Yu is very enthusiastic to promote evidence-based practice. She has actively engaged in the Aging Expert Panel of the American Academy of Nursing, and serves a number of expert advisory panels of both government and non-government sectors to support priority-setting for aged care policy and service. Over the years, Professor Yu actively engages in science implementation and has developed various territory-wide evidence-based programs to increase the preparedness of rapid population aging in the educational and healthcare pursuits.

Professor Edmond Choi, Editor, Health & Social Care in the Community

Biography:

Dr. Edmond Choi, PhD, RN, FRSPH, FHEA, FAAN, is an assistant professor in the School of Nursing, the University of Hong Kong. His work focuses on sexual health research, with an emphasis on adolescents, young adults and sexual minorities. He has obtained five external competitive research grants.

A prolific and impactful scholar, Dr. Choi has contributed more than 110 articles to international peer-reviewed journals, with a Field-Weighted Citation Impact of 3.18 for his first/corresponding authored papers between 2018 to 2023, signifying that his work has been cited 218% more than the global average. He was listed in the top 2% of the world's most cited scientists in 2021 and 2022 by Stanford University.

Dr. Choi currently holds editorial board positions with Health & Social Care in the Community, Sexual Health, and Scientific Reports - Nature.

Professor Jay Lee, Assistant Editor, Nurse Education Today

Biography:

Dr. Jay Lee is an Assistant Professor with the School of Nursing at the University of Hong Kong and the Chair of Asia-Pacific Qualitative Health Research Network (AQUHN). Following 5 years of clinical nursing practice in stroke, Dr. Lee obtained his MSc and PhD from the School of Health in Social Science at the University of Edinburgh, UK, where he specialised and trained as a qualitative researcher. Dr. Lee is deeply interested in adopting qualitative research approaches to healthcare fields including stroke care, and nursing education. He has published his qualitative research works in relevant world-leading journals, such as Stroke and Tobacco Control. He also has considerable track record in using mix-method research methods. He is an Assistant Editor for Nursing Education Today, a journal that deals with critical scholarship in nursing and health education. Dr. Lee also serves on several other editorial boards including Global Qualitative Nursing Research.

Professor Benjamin Ho, Associate Editor, Intensive and Critical Care Nursing

Biography:

Dr. Benjamin Ho is an Assistant Professor at the School of Nursing, The University of Hong Kong. His research interests revolve around ICU delirium and critical care, as well as cancer and palliative care. Ben has acquired a wealth of expertise in delirium care throughout his career as a critical care nurse. His contributions have been instrumental in synthesizing research that forms the foundation of clinical guidelines in ICU settings. Ben is actively involved in collaborative research endeavors with colleagues internationally. Alongside his academic pursuits, Dr. Ho holds the position of Associate Editor at the Intensive and Critical Care Nursing journal. His research outputs have consistently garnered significant impact and engagement within the scientific community. Additionally, Dr. Ho has been recognized for his contributions to nursing research and was awarded numerous scholarships, presentation and research awards for his significant advancements in the field of ICU delirium and critical care.

Workshop 2:

March 6, 15:00 - 16:30
Lecture Hall I

Synthesizing Quantitative Results

In this workshop, the rationale and theory of meta-analysis will be introduced. A case study will be used to illustrate how to synthesize the results from different studies. Jamovi, a free statistical software, will be used in the practical session to conduct a meta-analysis.

Speakers

- Professor Wilson Tam, Associate Professor and Director of Research, Alice Lee Centre for Nursing Studies, Yong Loo Lin School of Medicine, National University of Singapore, Singapore
- Professor Daniel Fong, Associate Professor, School of Nursing, The University of Hong Kong, Hong Kong

Professor Wilson Tam, Associate Professor and Director of Research, Alice Lee Centre for Nursing Studies, Yong Loo Lin School of Medicine, National University of Singapore, Singapore

Biography:

Dr. Wilson Tam is an Associate Professor and Director of Research at Alice Lee Centre for Nursing Studies, Yong Loo Lin School of Medicine, National University of Singapore. Dr Tam is an epidemiologist and statistician by training, he obtained his PhD degree in Medical Sciences at the Chinese University of Hong Kong. He has been working in the field of Public Health and Nursing for more than 20 years. His research interests include the exploration of risk factors for cardiovascular diseases, statistical analyses on health data, and methodological issues in meta-analyses. Dr Tam has published over 150 papers in peer-reviewed journals including publications in top medical journals such as Am. J. Respir. Crit. Care Med., Br Med J, Cochrane Database Syst Rev., Lancet Public Health, and N Engl J Med . Dr Tam has been listed as Top-1% Highly Cited Researchers (Cross-fields) in the World by Clarivate in 2022 and 2023.

Professor Daniel Fong, Associate Professor, School of Nursing, The University of Hong Kong, Hong Kong

Biography:

Dr Daniel Y.T. Fong is currently an Associate Professor at the School of Nursing of The University of Hong Kong. Dr Fong received his degrees in Mathematics and MPhil in Statistics from The University of Hong Kong. He then obtained his Ph.D. in Statistics from the University of Waterloo, Canada. Dr Fong is an experienced biostatistician in health research with over 20 years of experience in clinical trials and statistical consulting. Dr Fong's main research themes are Adolescent Health with particular focuses on Adolescent Idiopathic Scoliosis (AIS) and weight status, as well as Patient Reported Outcomes (PROs). To date, over 370 papers have been published or accepted in international peer-reviewed journals. In 2014, Dr Fong was elected as the first President of the World Association for Chinese Quality of Life. During 2017-2023, he had also been serving as a Chair of the Chinese PRO SIG of the International Society for Quality of Life (ISOQOL). Currently, Dr Fong is also a Section Editor in Statistics of the Journal of Orthopaedic Surgery.

Workshop 3:

March 7, 09:00 – 10:30
Lecture Hall I

Preparation of Simulation Scenarios in Nursing Education

Simulation-based learning is an increasingly popular approach to nursing education, providing students with hands-on experience in a safe and controlled environment. This workshop aims to equip participants with the techniques involved in creating successful simulation scenarios for their nursing education programs. This workshop will guide participants through the process of developing effective simulation scenarios for nursing education. Participants will learn the principles of simulation-based learning and discuss strategies for designing engaging and realistic scenarios that promote critical thinking and clinical decision-making. Additionally, participants will explore best practices for debriefing and evaluation, ensuring that students receive valuable feedback on their performance.

Presentations and Speakers

Best Practices, Innovation and Debriefing in Simulation-based Education
Dr. John Fung, Senior Lecturer, School of Nursing, The University of Hong Kong, Hong Kong

Leveraging Game-based Virtual Reality Simulation to Enhance Nursing Students' Clinical Reasoning
Dr. Maggie Chan, Senior Lecturer, School of Nursing, The University of Hong Kong, Hong Kong

The Development of Simulation-based Education: from Activity to Assessment
Dr. Veronica Lam, Principal Lecturer, School of Nursing, The University of Hong Kong, Hong Kong

Best Practices, Innovation and Debriefing in Simulation-based Education

Dr. John Fung, Senior Lecturer, School of Nursing, The University of Hong Kong, Hong Kong

Biography:

Dr. John Tai-Chun Fung, RN, DN, is a Senior Lecturer at the School of Nursing of the University of Hong Kong. He is the Associate Programme Director for BNPT and steered strategic teaching pedagogies, modernization, and coordination for the Programme. In 2021, he received the Teaching Innovation Award (Team Leader) under the Teaching Excellence scheme by the University of Hong Kong. He was also nominated by the University of Hong Kong for the UGC Teaching Award (Team Leader) in 2021. In 2023, he was appointed to the leadership role as Chair of the Quality and Safety Education Committee. He is also the first accredited simulation educator in Hong Kong within the Association for Simulation Practice in Healthcare. His principal research area lies in simulation-based education (Virtual Simulation, Virtual Reality, 360 VR, and high-fidelity simulation), Generative Artificial intelligence (GenAI), internationalization at home (IaH), cultural competence, curriculum development, smoking cessation, and community and global health nursing. He pioneered virtual simulation and debriefing research, which was adopted widely in the University. He is actively focusing on developing the pedagogy of simulation-based education integrated longitudinally in the curriculum, determination of VTL learning engagement, autonomous motivation in students' inter-professional education, and the impact of cultural competence in student exchange. He is also involved in multiple UGC-funded grants and projects. Currently, he is working on a large-scale interventional study involving the adoption of 360 VR paired with an innovative learning management system in collaboration with the School of English and Chinese, the School of Chinese Medicine, and the Department of Biomedical Engineering at the Polytechnic University, leading a cross-university project adopting a peer-to-peer pedagogy in simulation-based education and taking the lead in a cross-faculty several UGC TDLEG collaboration in virtual reality development and GenAI. Furthermore, he is a core member of the Faculty of Medicine's latest initiative in the Student in Medical Education (SIME) for developing and promoting active student engagement in teaching, curriculum development, and implementing the pedagogical advancement of Generative AI.

Leveraging Game-based Virtual Reality Simulation to Enhance Nursing Students' Clinical Reasoning

Dr. Maggie Chan, Senior Lecturer, School of Nursing, The University of Hong Kong, Hong Kong

Biography:

Maggie has a Doctor of Health Science degree from The Hong Kong Polytechnic University. In 2022, she received the University Teaching Development Grant (TDG) for her "Using Game-based Virtual Reality with Instant Feedback to Enhance Nursing Students' Situation Awareness" project. Maggie is also responsible for organizing simulation workshops for the final year nursing students to improve their clinical reasoning and self-competence before commencing their clinical practicum.

The Development of Simulation-based Education: from Activity to Assessment

Dr. Veronica Lam, Principal Lecturer, School of Nursing, The University of Hong Kong

Biography:

Dr. Veronica Lam is a Principal Lecturer and the Director of Bachelor of Nursing (FT) Programme in the School of Nursing in the University of Hong Kong. She is the externalexaminer for nursing schools in Hospital Authority. She received her BAppSc (Nursing) fromthe University of Sydney, MHS from the University of NSW and Master of Nursing inProfessional Studies, major in nursing education in UTS in 2000. She obtained her Doctoraldegree in 2014 from the University of Hong Kong. Veronica is a Registered Nurse andspecializes in Paediatric and Neonatal ICU Nursing. A few years ago, she was also recognizedas an accredited simulation educator.

Veronica current dedicated to promoting and enhancing various teaching paedagogies, suchas simulation, virtual reality. Additionally, she adopted simulation assessment in someclinical courses. She obtained few Teaching and Development Grants which mainly related tousing advanced technology in nursing education.

Workshop 4:

March 7, 13:30 - 15:00
Lecture Hall I

Qualitative Research Methods: From Data Collection to Publication

Qualitative research is a vital component of many research programs, offering unique insights into complex phenomena within healthcare and other disciplines. This workshop aims to prepare participants to conduct their qualitative research studies. This workshop will give participants comprehensive knowledge of qualitative research methods and explore the entire research process from data collection to publication. Moreover, participants will learn practical strategies for writing and publishing qualitative research findings in peer-reviewed journals.

Speakers

Dr. Betsy Seah, Research Fellow, Alice Lee Centre for Nursing Studies, Yong Loo Lin School of Medicine, National University of Singapore, Singapore

Professor Sasitara Nuampa, Assistant Dean for Research and Lecturer, Department of Obstetric and Gynaecological Nursing Faculty of Nursing, Mahidol University, Thailand

Professor Jay Lee, Assistant Professor, School of Nursing, The University of Hong Kong, Hong Kong

Dr. Betsy Seah, Research Fellow, Alice Lee Centre for Nursing Studies, Yong Loo Lin School of Medicine, National University of Singapore, Singapore

Biography:

Betsy Seah is a Research Fellow with the Alice Lee Centre for Nursing Studies at Yong Loo Lin School of Medicine, National University of Singapore (NUS). Dr Seah was awarded the NUS Research Scholarship to pursue her PhD studies at NUS, following her clinical stint as a registered nurse at the Emergency Department of Singapore's Tan Tock Seng Hospital. Dr Seah has a strong interest in qualitative research methods, and has published relevant work in areas of community care for older adults and nursing education in various good impact factor journals. Dr Seah is an executive committee member of the Asia-Pacific Qualitative Health Research Network (AQUHN), and also a contributing member of the Joanna Briggs Institute (JBI) Qualitative Evidence Synthesis Methods Group (JBI-QESMG).

Professor Sasitara Nuampa, Assistant Dean for Research and Lecturer, Department of Obstetric and Gynaecological Nursing Faculty of Nursing, Mahidol University, Thailand

Biography:

Sasitara Nuampa serves as an Assistant Dean for Research and Lecturer at the Department of OBGY Nursing within the Faculty of Nursing at Mahidol University, Thailand, a position she has held since 2010. She holds the position of Deputy Secretary and Committee Member at the Lactation Nurse Association of Thailand (LNAT). Dr. Nuampa earned her Doctor of Philosophy in Nursing through the international program at Mahidol University. She further enriched her academic experience by participating in a special research program at the College of Nursing, University of Illinois at Chicago, United States. Her areas of expertise encompass infant feeding, high-risk pregnancy, and digital health technology. Driven by her passion for research, she continues to explore topics related to qualitative studies, mixed-method studies in breastfeeding, and the promotion of high-risk pregnancy. Notably, she secured project funding from the Rockefeller Foundation for the implementation of the "Intensive Training for Continuing-Care System for High-Risk Pregnancy in Vientiane Prefecture, Lao PDR" in 2023. In her capacity as an educator, Dr. Nuampa imparts her knowledge to undergraduate nursing students, focusing on pregnancy, maternal and child health, and breastfeeding specialization. She also serves as an academic lecturer and mentor for master's and doctoral nursing students.

Professor Jay Lee, Assistant Professor, School of Nursing, The University of Hong Kong, Hong Kong

Biography:

Dr. Jay Lee is an Assistant Professor with the School of Nursing at the University of Hong Kong and the Chair of Asia-Pacific Qualitative Health Research Network (AQUHN). Following 5 years of clinical nursing practice in stroke, Dr. Lee obtained his MSc and PhD from the School of Health in Social Science at the University of Edinburgh, UK, where he specialised and trained as a qualitative researcher. Dr. Lee is deeply interested in adopting qualitative research approaches to healthcare fields including stroke care, and nursing education. He has published his qualitative research works in relevant world-leading journals, such as Stroke and Tobacco Control. He also has considerable track record in using mix-method research methods. He is an Assistant Editor for Nursing Education Today, a journal that deals with critical scholarship in nursing and health education. Dr. Lee also serves on several other editorial boards including Global Qualitative Nursing Research.

Workshop 5:

March 7, 15:30 - 16:40
Lecture Hall I

Managing Stress during Doctoral Study

Pursuing a doctoral degree can be both rewarding and challenging, with stress often playing a significant role in the experience. This workshop aims to help students navigate the challenges of doctoral study, fostering a more enjoyable and successful academic journey. By incorporating stress and coping theory with mindfulness practices, this workshop will offer strategies for stress appraisal, enhance coping resources, managing stress and cultivating resilience throughout the doctoral journey. Participants will learn practical tips for nurturing emotional well-being and developing a mindful approach to their academic pursuits.

Presentations and Speakers

Effectively Appraising and Coping with Stress in the Doctoral Journey
Professor Penpaktr Uthis, Associate Professor, Faculty of Nursing, Chulalongkorn University, Thailand

From Stress to Serenity: Be a Mindful Scholar
Professor Jojo Kwok, Assistant Professor, School of Nursing, The University of Hong Kong, Hong Kong

Effectively Appraising and Coping with Stress in the Doctoral Journey

Professor Penpaktr Uthis, Associate Professor, Faculty of Nursing, Chulalongkorn University, Thailand

Biography:

Penpaktr Uthis is an Associate Professor at the Faculty of Nursing, Chulalongkorn University, where she has taught and served as thesis advisor of master and doctoral students who interested in psychiatric and mental health related issues for the last thirty years. Mindfulness based is one of the popular interventions that she has experiences to advise her students in dealing with stress and other mental health problems of the target population in their studies.

From Stress to Serenity: Be a Mindful Scholar

Professor Jojo Kwok, Assistant Professor, School of Nursing, The University of Hong Kong, Hong Kong

Biography:

Dr. Jojo Kwok is an Assistant Professor at the School of Nursing, The University of Hong Kong, as well as a registered nurse and certified yoga instructor in Hong Kong. She is also the founder of the accredited mindful yoga teacher training course at HKU Centre of Behavioral Health. Her scholarly contributions are rooted in two research pillars: behavioral research and nursing education, with contributions to Parkinson's disease (PD) care and resilience training. She has a proven track record in conducting behavioral clinical trials to improve bio-psychosocial-spiritual outcomes in older adults. Her research findings have been published in top-tier peer-reviewed journals, such as JAMA Neurology and featured by the Reuters as impactful stories. Through establishing professional training programs for PD care and integrating resilience training into the nursing curriculum, Dr. Kwok has improved nursing care and education locally and globally. In recognition to her research achievement and contribution to the nursing profession, she has received an Emerging Nurse Researcher/Scholar Award from the Honor Society of Nursing, Sigma Theta Tau International in 2023.

Award Candidate Oral Presentation Session 1

Date:	March 6 (Wednesday)
Time:	13:00 - 14:30
Venue:	Oral Presentation Room A, Lee Shau Kee Lecture Centre, LG/F, Centennial Campus, The University of Hong Kong
Moderator:	Professor Mari Ikeda
Adjudicators:	Professor Sheila Bonito, Professor Hong-Gu He, Professor Eui Geum Oh, Professor Ratsiri Thato

1	Association Between Home-Visit Nursing and Hospitalization Among Older Adults with Chronic Kidney Disease: Population-Based Cohort Study Using Real-World Data	*Haruna Kugai, The University of Tokyo, Japan*
2	The Effects of Infant Abdominal Massage on the Parental Stress Level Among Chinese Parents in Hong Kong: A Clustered Randomized Controlled Trial	*Sze Ki Veronica Lai, The University of Hong Kong, Hong Kong*
3	The Lived Experiences and Perceived Competency Needs of Nurses in Home-Based Care Practice: A Phenomenology Study	*Khairul Dzakirin Bin Rusli, National University of Singapore, Singapore*
4	The Development of a Nurse-Led Community Health Literacy for Older Adults with Hypertension in Sub-Urban Community, Northeastern, Thailand	*Chanissara Saenyabutr, Mahidol University, Thailand*
5	Sexual Health and Sexual Behaviors in Chinese Women of Varied Sexual Identities: A Sequential Mixed Methods Study	*Chanchan Wu, The University of Hong Kong, Hong Kong*

Association Between Home-Visit Nursing and Hospitalization Among Older Adults with Chronic Kidney Disease: Population-Based Cohort Study Using Real-World Data

Haruna Kugai[1, 2], Ayumi Igarashi[1], Akira Okada[3], Yusuke Sasabuchi[4], Satomi Kitamura[1, 5], Hayato Yamana[2], Noriko Yamamoto - Mitani[1], Hideo Yasunaga[6]

[1]Department of Gerontological Home Care and Long-Term Care Nursing, The University of Tokyo, Japan, [2]Data Science Center, Jichi Medical University, Japan, [3]Department of Prevention of Diabetes and Lifestyle-Related Diseases, The University of Tokyo, Japan, [4]Department of Real-World Evidence, The University of Tokyo, Japan, [5]Institute for Health Economics and Policy, Association for Health Economics Research and Social Insurance and Welfare, Japan, [6]Department of Clinical Epidemiology and Health Economics, The University of Tokyo, Japan

Background and Objectives:

Older adults with chronic kidney disease (CKD) face elevated hospitalization and mortality risks, contributing to increased healthcare costs. Although some older adults with CKD receive home-visit nursing services for disease management and medical care at home, the effect on preventing hospitalization or facilitating early discharge remains unclear. This study aimed to investigate the association between the use of home-visit nursing and length of hospital stay among care-dependent older adults newly diagnosed with CKD.

Methods:

We conducted a population-based cohort study using national health and long-term care (LTC) insurance claims data from 18 municipalities in a Japanese prefecture (population: 10,000 - 520,000, aging rate: 22 - 39%). We selected care-dependent individuals aged 65 years or older, newly diagnosed with CKD between June 2015 and February 2018. The association between home-visit nursing within 6 months after the first CKD diagnosis and outcomes, including the total length of hospital stay and medical/LTC costs within 2 years, was evaluated using the Wilcoxon rank sum test after 1:4 propensity score matching.

Results:

We identified 3,293 eligible older adults, with a mean age of 83.9 years (59.1% female) and 11.1% receiving home-visit nursing. After propensity score matching, the home-visit nursing group (N=217) had a significantly shorter total length of hospital stay within 2 years than the non-home-visit nursing group (N=868) (mean 31 days vs. 51 days, p=0.023). No difference was found in total medical/LTC costs between the two groups (mean 29,200 USD vs. 30,000 USD, p=0.961).

Conclusions:

Receiving home-visit nursing was significantly associated with a shorter length of hospital stay among older adults with CKD, whereas total medical/LTC costs were comparable. These findings suggest the potential benefits of home-visit nursing in reducing hospitalization days, which possibly improves quality of life in older adults, and offer insights into the efficient management of home-care services.

The Effects of Infant Abdominal Massage on the Parental Stress Level Among Chinese Parents in Hong Kong: A Clustered Randomized Controlled Trial

Sze Ki Veronica Lai[1, 2], Yee Tak Daniel Fong[1]

[1]School of Nursing, LSK Faculty of Medicine, The University of Hong Kong, Hong Kong, [2]School of Nursing and Health Studies, Hong Kong Metropolitan University, Hong Kong

Background and Objectives:

Postpartum stress is a common problem that occurs during the transition to parenthood. It has been found to have negative effects on the physical and cognitive development of the fetal, as well as the attachment between mothers and their babies. The objectives of the study were to evaluate the effectiveness of infant abdominal massage training intervention in reducing parental stress among Chinese new parents and examine the compliance of the intervention and how compliance affects the overall change in parental stress level.

Methods:

A clustered RCT was conducted between November 2021 and March 2022, 160 parents were recruited from 10 mother groups, which were randomized into either a waitlist control or the intervention group. An infant abdominal massage class was given to those in the intervention group by a certified International Association of Infant Massage instructor. The Chinese Parenting Stress Index (PSI-SF) was used to measure parental stress levels at baseline and 4 weeks after the intervention.

Results:

The overall compliance for the intervention was 66%. The parental stress level was significantly decreased among intervention group with a mean difference of −5.46 (95% CI=0.72 to 10.2, p=0.049). Interestingly, the total PSI-SF among fathers was slightly higher than that among mothers. Furthermore, no moderating factors were found to have a significant intervention effect on PSI-SF ($p<0.05$). Most participants who had good compliance with the intervention reported an improvement in their babies' colicky, sleep quality and overall stress level.

Conclusions:

This study provides a cost-effective methods for parents to tackle their parental stress, the findings aid in the planning or adjustment of current postpartum depression screening while also helping to lower the risk of postpartum mood disorders.

The Lived Experiences and Perceived Competency Needs of Nurses in Home-Based Care Practice: A Phenomenology Study

Khairul Dzakirin Bin Rusli[1] , Shu Fen Ong[2], Shaun Speed[3], Betsy Seah[1], Lisa Mckenna[4], Ying Lau[1, 5], Sok Ying Liaw[1]

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Background and Objectives:

Home-based nursing care (HBC) is expanding across the globe to meet the rising long-term care demands in the community. There is currently a lack of understanding regarding the lived experiences and competency needs of HBC nurses. The lack of understanding poses a challenge for nurses and stakeholders to support and meet nurses' competency needs for HBC practice. The study aimed to explore HBC nurses' practice experiences in order to understand their competency and needs.

Methods:

A descriptive phenomenology design underpinned by the philosophy of Husserl was performed. Individual interviews were conducted with 17 HBC registered nurses from the public and private sectors. Colaizzi's analysis method was used for data analysis and bracketing was performed using a reflective diary approach.

Results:

The study identifies four themes, nine subthemes and three fundamental structures of the shared phenomenon. The themes include: (1) full spectrum of patient care, (2) autonomy in nursing practice, (3) beliefs in person-centred care and (4) enhancing supportive systems. While the shared phenomenon revolves around (i) the transitioning experience, (ii) the autonomy of nursing care experience and (iii) the perspective of strengthening HBC support systems.

Conclusions:

Nurses highlighted the broad range of nursing competencies and increased autonomy of nursing practice in HBC. They also shared that they experienced a steep transition into HBC despite their past hospital-based setting experiences. The nurses suggested more opportunities for future nurses to consolidate and develop nursing competencies for HBC through professional development programmes.

The Development of a Nurse-Led Community Health Literacy for Older Adults with Hypertension in Sub-Urban Community, Northeastern, Thailand

Chanissara Saenyabutr, Sunee Lagampan, Arpaporn Powwattana, Kwanjai Amnatsatsue
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Background and Objectives:

Hypertension affects the cognitive function of older, and limitation of health literacy causes poor self-care and health outcomes. Aim: To develop a Nurse-Led Community Health literacy (Nurse-led CHL) intervention and test its effectiveness.

Methods:

This sequential mixed-method study was conducted. Community empowerment and health literacy were used to guide the intervention. The study initially explored the views of community people regarding the feasibility of the intervention. Then, a quasi-experimental study with 2 groups pre-posttest design was conducted for a 10-week which was shaped by the community and included: 1) Health literacy and self-care enhancement for older adults and family by using active learning including teach-back, ask-me 3, situation analysis, etc., and 2) community involvement by providing the supportive environment including setup healthy road and market place, provide public health signs, and public health relations, etc. The samples were two suburban communities of one province in Northeastern, Thailand with purposive selection to be the intervention (IG) and comparison group (CG). Then 64 hypertensive older adults (aged 60-69 years) were randomly selected equally 33 in each group. Data were analyzed by independent t-test and ANCOVA.

Results:

There were statistically significantly improved post-intervention outcomes in IG compared with baseline and CG, which received usual care, (F range 9.51 to 107.3, $p<0.01$) in hypertension health literacy (adj_M 85.71, SD1.60), hypertension self-care (adj_M 61.95, SD 0.70), MMSE (adj_M 24.50, SD 0.30), and MOCA (adj_Mean 22.78, SD 0.45). Furthermore, the community committee in IG had more capacity for improving health literacy than based-line and CG ($F=24.81$, $p<0.001$, $F=16.06$, $p<0.001$). The intervention's effect size ranged from 0.13 to 0.64, implying a medium to large effect size.

Conclusions:

Applying Nurse-led CHL could benefit the community in caring for hypertensive older adults. Further studies should be conducted on a large sample to demonstrate the efficacy of the program.

Sexual Health and Sexual Behaviors in Chinese Women of Varied Sexual Identities: A Sequential Mixed Methods Study

Chanchan Wu, Pui Hing Chau, Jung Jae Lee, Edmond Pui Hang Choi
School of Nursing, The University of Hong Kong, Hong Kong

Background and Objectives:

In China, a predominantly sexually conservative country, women's sexuality is often overlooked, and sexual minority women receive even less attention. This mixed methods study aimed to assess both the quantitative aspects of Chinese women's sexual health and behavior, and their qualitative perceptions and experiences of their own sexual encounters.

Methods:

This study applied an explanatory sequential mixed-methods study design. A cross-sectional online survey was conducted first in 2021, followed by qualitative interviews in Mandarin Chinese in 2022-2023. Descriptive statistics, independent samples t-tests, and chi-square tests were used in quantitative data analysis. Reflexive thematic analysis was used in qualitative interview analysis.

Results:

Results Overall, 509 participants aged 18-56 years were involved in the quantitative analysis, including 250 cisgender heterosexual women (CHW) and 259 sexual and gender minority women (SGMW). Compared to CHW, SGMW reported engaging in both first masturbation and first sexual activity at a significantly earlier age (13.2 vs 16.6, $p<0.001$; 19.6 vs 21.3, $p<0.001$, respectively). Furthermore, SGMW reported a significantly higher number of lifetime sexual partners compared to CHW (4.3 vs 2.3, $p<0.001$) while a lower percentage of consistent condom use in the last six months (38.2% vs 60.5%, $p=0.004$). Semi-structured qualitative interviews were conducted with 33 women aged 20-38 years. The interviews' length ranged from 61 to 283 minutes, with a mean length of 119.7 minutes. Four overarching themes were developed, including 1) long invisible but changing women's sexuality; 2) diverse sexual identities and complex sexual practices; 3) bond between sex and self-worth; and 4) disparities in safer sex awareness and practice.

Conclusions:

The study findings underscore the crucial role of sexual identity and cultural context in the articulation and experiences of women's sexuality and sexual health.

Award Candidate Oral Presentation Session 2

Date:	March 6 (Wednesday)
Time:	15:00 – 16:30
Venue:	Oral Presentation Room A, Lee Shau Kee Lecture Centre, LG/F, Centennial Campus, The University of Hong Kong
Moderator:	Professor Mari Ikeda
Adjudicators:	Professor Sheila Bonito, Professor Hong-Gu He, Professor Eui Geum Oh, Professor Ratsiri Thato

6	The Effect of an Integrative Cognitive Training Program by Family Caregivers on Cognitive Function Among Persons with Traumatic Brain Injury *Uraporn Chuaykarn, Chulalongkorn University, Thailand*
7	Relationship Between Nurse Staffing and Extracorporeal Membrane Oxygenation Utilization in Intensive Care Units in South Korea: A Nationwide Population-Based Study *U Ri Go, Seoul National University, South Korea*
8	Investigation of the Influence of Living Area on the Maintenance of Cognitive Functioning in a Community Dwelling Older People *Riko Kinjo, Osaka University Graduate School of Medicine, Japan*
9	A Mindfulness and Motivational Interviewing-Oriented Physical-Psychological Integrative Intervention for Community-Dwelling Spinal Cord Injury Survivors: A Mixed-Methods Randomized Controlled Trial *Yan Li, The Hong Kong Polytechnic University, Hong Kong*
10	To Exam the Efficacy of Oral Health and Mediterranean Diet Interventions in Preventing Cognitive Decline Among Older Adults with Mild Cognitive Impairment *Jou-chun Lin, National Yang Ming Chiao Tung University, Taiwan*
11	Determining Staffing and Workload Across Health Care Facilities of Selected Underserved Communities in the Philippines *Laurence Lloyd Parial, University of the Philippines Manila, the Philippines*

The Effect of an Integrative Cognitive Training Program by Family Caregivers on Cognitive Function Among Persons with Traumatic Brain Injury

Uraporn Chuaykarn[1, 2], Ratsiri Thato[1], Elizabeth A. Crago[3]
[1]Faculty of Nursing, Chulalongkorn University, Thailand, [2]Faculty of Nursing, Boromarajonnani College of Nursing, Nakhon Si Thammarat, Faculty of Nursing, Praboromarajchanok Institute, Thailand, [3]School of Nursing, University of Pittsburgh, the United States

Background and Objectives:

Cognitive impairment is one of the most important problems people have after a traumatic brain injury (TBI) and contributes significantly to disability and morbidity. Evidence indicated that cognitive training and family participation in cognitive rehabilitation programs had a positive effect on cognitive function recovery among persons with TBI. This study aimed to examine the effect of an integrative cognitive training (ICT) program by family caregivers on cognitive function among persons with TBI.

Methods:

A randomized controlled trial (RCT), repeated-measure design was utilized. The participants were adult persons diagnosed with TBI, who were registered at the neurology ward at the tertiary hospital. Eighty-six participants were randomly assigned into experimental group (n=43) and control group (n=43). The experiment group received an ICT program by family caregivers based on the theory of neural plasticity and in combination with systematic review while the control group received the usual care. Cognitive function was assessed on the baseline and at 2, 4, and 6 weeks after receiving the intervention using the Montreal Cognitive Assessment (MoCA). Data were analyzed using repeated-measure ANOVA.

Results:

The results revealed that the cognitive function scores of both groups were improved. However, those who received an ICT program by family caregivers had significantly higher MoCA scores ($P<0.001$) at 4 weeks and 6 weeks post-intervention when compared to the control group, with large effect sizes ($d=1.92$).

Conclusions:

An ICT program can enhance neuroplasticity and improve cognitive function among persons with mild to moderate TBI. Early detection and intervention of cognitive impairment may prevent long-term persistent neurologic symptoms in mild to moderate TBI. Further, the engagement of family caregivers in rehabilitation is effective in improving community collaboration and cognitive functioning among persons with TBI.

Relationship Between Nurse Staffing and Extracorporeal Membrane Oxygenation Utilization in Intensive Care Units in South Korea: A Nationwide Population-Based Study

U Ri Go[1], Sung-hyun Cho[1, 2]

[1]College of Nursing, Seoul National University, South Korea, [2]Research Institute of Nursing Science, Seoul National University, South Korea

Background and Objectives:

Intensive care units (ICUs), which have more critically ill patients, require higher levels of nurse staffing. However, little is known about how critical care nursing workloads and activities, such as extracorporeal membrane oxygenation (ECMO), are distributed across different staffing levels in Korea. This study aimed to examine how ECMO utilization is distributed across different nurse staffing levels in ICUs.

Methods:

Adult patients who were admitted to ICUs in acute care hospitals from 2009 to 2020 were retrospectively identified using a national inpatient sample database. The level of nurse staffing was classified into grades 1 through 9 based on the bed-to-nurse ratio. The Cochrane-Armitage trend test was performed to analyze ECMO utilization trends over 12 years and assess the linear trend of proportions of ECMO days across different staffing levels. Subgroup analysis was conducted in each type of hospital.

Results:

Of 457,400 patients, 2,613 (0.6%) utilized ECMO during their hospitalization period. The annual rate of ECMO utilization in 2020 (0.8%) was four times higher than in 2009 (0.2%), resulting in a significant increase over 12 years (p-for-trend <.001). ECMO was utilized for 16,632 out of 2,782,738 patient days (6.0 per 1,000 patient days). Of these, 73.6% were in tertiary hospitals compared to 26.4% in general hospitals. The annual rate of ECMO utilization per 1,000 patient days significantly increased over 12 years for all staffing grades except for grade 5 general hospitals. A higher nurse staffing level was associated with a higher rate of ECMO utilization in both tertiary and general hospitals (p<.001).

Conclusions:

The findings suggest a need to increase nurse staffing levels in ICUs, as ECMO is increasingly utilized in critically ill patients. Nurse staffing should be optimized to safeguard quality of care, considering the concentrated use of ECMO in several hospital types and staffing levels.

Investigation of the Influence of Living Area on the Maintenance of Cognitive Functioning in a Community Dwelling Older People

Riko Kinjo[1], Kayo Godai[1], Mai Kabayama[1], Hiroshi Akasaka[2], Yasuyuki Gondo[3], Mafoka Ogawa[3], Yukie Masui[4], Yasumichi Arai[5], Tatsuro Ishizaki[4], Kei Kamide[1]

[1]Health Science, Osaka University Graduate School of Medicine, Japan, [2]Geriatric and General Medicine, Osaka University Graduate School of Medicine, Japan, [3]Clinical Thanatology and Geriatric Behavioral Science, Osaka University Graduate School of Human Sciences, Japan, [4]Research Team for Human Care, Tokyo Metropolitan Institute of Gerontology, Japan, [5]Center for Supercentenarian Medical Research, Keio University School of Medicine, Japan

Background and Objectives:

Although examining the role of the home neighborhood environment in promoting the health of older adults is crucial, there are limited researches focusing on the association between neighborhood walkability and cognitive function. The objective of this study is to investigate the association between "walkability" in the home neighborhood and "cognitive function" in community-dwelling older adults, stratified by age groups.

Methods:

Among participants in the longitudinal epidemiological study, called SONIC study targeting community-dwelling older adults, 1709 individuals aged 70±1 and 80±1 were included in the analysis. Cognitive function (presence of MCI) was assessed using MoCA-J. Neighborhood walkability was classified into Car-dependent (Walk Score<50), Walkable (50≦Walk Score<90), and Walker's Paradise (Walk Score≧90) using walkscore, and comparisons were made among the three groups. Binary logistic regression analysis was used to investigate the association between walkability (with Car-dependent as the reference) and MCI, stratified by age.

Results:

Overall, 76.2% of participants had MCI. Adjusted odds ratios for covariates such as gender, hypertension, diabetes, heart disease, stroke, current smoking, heavy alcohol consumption, depressive tendencies, obesity, and hearing impairment were significantly lower in the Walkable group at age 70, with an odds ratio of 0.525 (95% confidence interval: 0.373-0.739), compared to the Car-dependent group. In the 80s, a trend of lower odds (0.629, 95% confidence interval: 0.394-1.006) was observed compared to the Car-dependent group.

Conclusions:

Walkability in the home neighborhood of community-dwelling older adults may be associated with maintaining cognitive function in their 70s and 80s. Additionally, even in areas with low walkability, creating accessible spaces for residents near their residences and promoting physical activity and social participation are crucial for community development.

A Mindfulness and Motivational Interviewing-Oriented Physical-Psychological Integrative Intervention for Community-Dwelling Spinal Cord Injury Survivors: A Mixed-Methods Randomized Controlled Trial

Yan Li[1], Mengqi Li[1], Daniel Bressington[2], Kun Li[3], Arnold Wong[4], Wai Man Chung[5], Alex Molasiotis[6], Christina Zong-hao Ma[7], Patrick Pui Kin Kor[1], Wing Fai Y Eung[1]

[1]School of Nursing, The Hong Kong Polytechnic University, Hong Kong, [2]Faculty of Health, Charles Darwin University, Australia, [3]School of Nursing, Sun Yat-Sen University, China, [4]Department of Rehabilitation Sciences, The Hong Kong Polytechnic University, Hong Kong, [5]Virtus Medical Group, Virtus Medical Group, China, [6]College of Arts, Humanities and Education, University of Derby, the United Kingdom, [7]Department of Biomedical Engineering, The Hong Kong Polytechnic University, Hong Kong

Background and Objectives:

People with spinal cord injury living in the community commonly experience poor quality of life. Physical inactivity, depression, and chronic pain are major health problems aggravating this situation. Mindfulness and motivational interviewing skills may be promising approaches to integrate with physical interventions and improve the overall well-being of community-dwelling spinal cord injury survivors. This study aimed to evaluate the feasibility, acceptability, and efficacy of a mindfulness and motivational interviewing-oriented physical-psychological integrated intervention in community-dwelling spinal cord injury survivors.

Methods:

This was a mixed-methods randomized controlled trial. Seventy-two eligible community-dwelling adults with spinal cord injury were randomly assigned to either the intervention or control group. The intervention group received video-guided exercise and eight-week online group psychological (mindfulness and motivational interviewing-oriented) sessions. Focus-group interviews were conducted post-intervention. Primary outcomes included quality of life, physical activity, depression, and chronic pain. Secondary outcomes included exercise self-efficacy and mindfulness. We used generalized estimating equation for efficacy estimation and content analysis for interview data. The trial obtained ethical approval from the Institutional Review Board of the Hong Kong Polytechnic University (HSEARS20210705004) and was registered in clinical trials (NCT05535400).

Results:

The recruitment, retention, and adherence rates were 84.7%, 100%, and 98.6%, respectively. The intervention showed significant between-group improvement in quality of life at three-month follow-up [Cohen's d = 0.70 (0.22, 1.18)]. Positive trends manifested in physical activity, depression, chronic pain, and exercise self-efficacy. Three qualitative categories were identified: subjective improvements in exercise, physical, and social well-being; perceived changes in mindfulness and mental well-being; and intervention facilitators and barriers.

Conclusions:

The mindfulness and motivational interviewing-oriented physical-psychological integrated intervention is feasible and acceptable. The significant prolonged improvement in quality of life and positive impacts on health-related outcomes indicate its high potential and value to address major health challenges of community-dwelling spinal cord injury survivors.

To Exam the Efficacy of Oral Health and Mediterranean Diet Interventions in Preventing Cognitive Decline Among Older Adults with Mild Cognitive Impairment

Jou-chun Lin[1], Tzu-ting Huang[1], Pei-ning Wang[2], Wei-ting Lin[3]
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Background and Objectives:

Global aging poses significant health challenges, with mild cognitive impairment (MCI) being a high-risk precursor to dementia. Despite lacking effective pharmacological treatments, recent studies suggest the Mediterranean diet's potential to delay cognitive decline in MCI. Moreover, poor oral health's impact on overall well-being, physical function, and nutritional status in the elderly underscores its relevance to cognitive decline. However, research validating the combined impact of oral health and the Mediterranean diet on cognitive function is scarce. To assess the efficacy of three interventions (oral health, Mediterranean diet, oral health + Mediterranean diet) over 12 weeks and follow-up at 24 weeks using the Montreal Cognitive Assessment (MoCA) in MCI patients.

Methods:

A randomized controlled trial enrolled 45 MCI patients, with four groups (control and three intervention groups). Participants underwent a 12-week intervention followed by a 12-week follow-up, with assessments at baseline, week 12, and week 24.

Results:

Generalized Estimating Equations (GEE) analysis revealed that the group receiving the combined intervention of Mediterranean diet + oral health education showed a significant improvement in MoCA scores compared to the control group at week 12 (B= 0.894, Wald X2= 0.2395, p< 0.001) and week 24 (B= 0.735, Wald X2= 0.2747, p= 0.007). The Mediterranean diet alone also showed a significant improvement at week 24 (B= 0.545, Wald X2= 4.605, p= 0.032), while the oral health intervention did not reach statistical significance.

Conclusions:

Within a 24-week timeframe, the combined intervention of Mediterranean diet + oral health education proved more effective in improving cognitive function in MCI patients than other interventions. Clinicians may consider this combined approach to enhance cognitive function in patients.

Determining Staffing and Workload Across Health Care Facilities of Selected Underserved Communities in the Philippines

Laurence Lloyd Parial[1], Kathryn Lizbeth Siongco[1], Erwin William Leyva[1], Julianne Anika Lupisan[1], Daphne Santos[2], Micah Marnie Diamaoden[3], Sheila Bonito[1]

[1]College of Nursing, University of the Philippines Manila, the Philippines, [2]College of Pharmacy, University of Santo Tomas, the Philippines, [3]College of Nursing, Silliman University, the Philippines

Background and Objectives:

Staffing shortages are persistent barriers in the Philippines toward achieving universal health care. To ensure an adequate and responsive health workforce, there is a need to evaluate the Human Resources for Health (HRH) status across health facilities, particularly those in underserved communities. This study aims to determine the staffing requirements and workload pressure among facilities in the health care provider network of selected underserved communities in the Philippines.

Methods:

The study utilized the workload indicators of staffing need (WISN) methodology from the World Health Organization to determine the staffing and workload situation among three health worker cadres (physicians, nurses, and midwives). Particularly, ten health facilities were involved in the study. Data were collected through records review, focus group discussions, and key informant interviews. The WISN software was used to analyze the staffing levels and workload pressure in the selected facilities.

Results:

There were varying levels of staffing and workload pressures among the three cadres in selected health facilities, influenced by several factors. Particularly, primary facilities with additional human resources (nurses & midwives) from deployment programs indicated adequate staffing and low to normal workload pressures. However, further analysis revealed potential HRH maldistribution and reliance on the temporary nature of the staff augmentation program. Notably, referral hospitals have generally high workload pressures and staffing shortages, particularly among nurses. Contributing to these are resource limitations in primary facilities, higher demands for acute patient care, and inadequate service coordination among health units.

Conclusions:

There is a need to improve the capacities of health facilities and local government units in evidence-based HRH planning through the WISN methodology, which could improve staffing and workload distribution among health care facilities in the country. Inter-organizational collaboration should be strengthened to improve delineation of health services, rationalize HRH distribution, and streamline services across health facilities within the provider networks.

Award Candidate Poster Presentation Session

Date:	March 7 (Thursday)
Time:	09:00 – 10:30
Venue:	Award Candidate Poster Display Room, Lee Shau Kee Lecture Centre, LG/F, Centennial Campus, The University of Hong Kong
Moderator:	Professor Edmond Choi
Adjudicators:	Professor Hsiu-Ju Chang, Professor Priyoth Kittiteerasack, Professor Kelvin Wang

1	Virtual Reality-Based Relaxation Program on Mental Health and Sleep Patterns for Undergraduate Students: A Randomized Controlled Repeated-Measures Design	*Junggeun Ahn, Seoul National University, South Korea*
2	The Preferences of Virtual Natural Landscapes Among Older Adults in the Long-Term Care Facilities	*Yu-chen Chi, Taipei Medical University, Taiwan*
3	Efficacy of Mobile App-Based Dietary Interventions Among Cancer Survivors: A Systematic Review and Meta-Analysis	*Ching Wai Krista Chung, The University of Hong Kong, Hong Kong*
4	Higher Healthy Lifestyle Scores/indices were Associated with a Lower Metabolic Syndrome Risk: A Systematic Review and Meta-Analysis	*Yunyang Deng, The Hong Kong Polytechnic University, Hong Kong*
5	Impact of Antenatal Education on Postpartum Skin-to-Skin Contact	*Wan-yu Hsieh, Kaohsiuang Medical University, Taiwan*
6	Effectiveness of Telehealth Interventions on Cognitive Function in Patients with Neurological Disorders: A Systematic Review and Meta-Analysis	*Yule Hu, The Hong Kong Polytechnic University, Hong Kong*
7	Continuous Vital Signs Monitoring Using a Non-Wearable Device in Nursing Home: Approach by Nurses	*Kasumi Ikuta, Tokyo Medical and Dental University, Japan*
8	Factors Influencing Exclusive Breastfeeding Rates Until 6 Months Postpartum: The Japan Environment and Children's Study	*Hitomi Inano, University of Toyama, Japan*

9 Experience of People Living with HIV Using a Mobile App for Self-Management: One-on-One Interview
Sooyoung Kwon, Graduate School of Yonsei University, South Korea

10 Components and Dimensions of Independent Living Among Community-Dwelling Filipino Older Adults
Ritzmond Loa, University of Santo Tomas, the Philippines

11 Effectiveness of a Self-Care Promoting Program on Health-Related Outcomes Among Persons with Diabetic Retinopathy: A Randomized Controlled Trial Study
Wimol Madit, Ministry of Public Health, Thailand

12 Effectiveness of a Smartphone-Based Perioperative Care Solution for Women Undergoing Breast Cancer Surgery: Randomised Controlled Trial
Yan Pang, National University of Singapore, Singapore

13 Post-Hospital Falls in Older Patients: Investigating Associated Factors in Domain of Hospitalization and Subsequent Care
Xing Xing Qian, The University of Hong Kong, Hong Kong

14 Nursing Students' Digital Literacy on Generative AI: A Latent Profile Analysis
Jie Wu, Shanghai Jiao Tong University, China

15 Associated Factors Between Readiness and Adjustment to Nursing Home Life of Older Adults in Japan: A Cross-Sectional Study
Haruka Yoshimaru, Hiroshima University, Japan

16 Diabetes Oral Medications on TikTok: Assessment of Information Quality
Baolu Zhang, Mahidol University, Thailand

17 Intensive Care Unit-Acquired Weakness: Effects on 3-Month Mortality and Hospital Length of Stay in Critically Ill Survivors
Yayun Zheng, National Taiwan University, Taiwan

Virtual Reality-Based Relaxation Program on Mental Health and Sleep Patterns for Undergraduate Students: A Randomized Controlled Repeated-Measures Design

Junggeun Ahn[1,2], Heeseung Choi[1,3], Jiu Kim[1], Youngeun Park[1], Riah Kim[1]

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Background and Objectives:

Undergraduate students have vulnerable mental health due to problems related to academics, finances, and interpersonal relationships, and the prevalence of sleep disorders among Korean undergraduate students is higher than other countries. Virtual reality (VR) provides an immersive experience that can reduce negative emotions and induce relaxation and positive emotions. This study aimed to evaluate the effects of an immersive VR relaxation program (VRelax) that simulates a natural environment on the mental health and sleep patterns of Korean undergraduate students.

Methods:

Participants were recruited from five universities in Korea. They were randomly assigned to three groups: (1) VR relaxation program (VRelax) for intervention, (2) progressive muscle relaxation (PMR) for attention control (AC), and (3) wait-list control (WLC). VRelax and PMR were conducted six times over two weeks. Self-report surveys on depression, anxiety, perceived stress, and sleep patterns were obtained at baseline and twice after the intervention (immediately and four weeks after). Additionally, objective sleep patterns using actigraphy were assessed before and after the intervention. We used analysis of variance and generalized estimating equation model to analyze the data.

Results:

In total, 41 undergraduate students (13 in VRelax, 13 in AC, and 15 in WLC) participated in the program, and all completed the 4-week follow-up test. The VRelax group demonstrated significant improvement on perceived stress levels (p=.001) and subjective sleep patterns (p=.046); these effects were maintained for 4 weeks. However, sleep efficiency measured through actigraphy was significantly improved in the AC group compared to the other groups (p=.033).

Conclusions:

Our study suggests that an immersive VR-based relaxation program plays an important role in improving perceived stress and subjective sleep patterns. Based on this, we expect that the immersive VR relaxation programs will be actively used as a self-management intervention to improve mental health and sleep patterns among undergraduate students.

The Preferences of Virtual Natural Landscapes Among Older Adults in the Long-Term Care Facilities

Yu-chen Chi, Yeu-hui Chuang
School of Nursing, Taipei Medical University, Taiwan

Background and Objectives:

The importance of nature exposure for promoting health and well-being is well-documented, particularly for older adults. However, those residing in long-term care facilities (LTCFs) often face limited opportunities to interact with real natural environments. Virtual reality (VR) offers an innovative and effective alternative method, enabling older adults to experience the restorative effects of nature within institutional settings. Understanding the specific preferences of older adults living in LTCFs for different virtual natural landscapes is crucial. This study aimed to explore the preferences of various virtual natural landscapes among older adults living in the LTCFs.

Methods:

We conducted a cross-sectional study. Convenience and purposive sampling were applied to recruit residents aged 60 or older living in LTCFs, with exclusions for individuals with visual impairments or discomfort with VR headsets. Preferences were assessed through a questionnaire after viewing each VR video featuring natural landscapes. Data analysis included mean, standard deviation (SD), frequency, percentage, t-test, and Pearson's correlations.

Results:

Among 70 older residents, with an average age of 77.27 years (SD = 7.51), grasslands was the most favored VR natural landscape (M= 4.18, SD = 0.86) on a scale where 5 is the highest level of preference. In contrast, mountain landscapes were the least favored (M = 3.56, SD = 1.069). Furthermore, the study also found that older adults who enjoyed the outdoor activities tended to be more favorable for virtual natural landscapes, such as ocean, lakes, and rivers.

Conclusions:

The study reveals that the grasslands were one of the favored VR natural landscapes among older residents. The results can provide information for nursing staff and researchers to develop innovative therapeutic interventions, integrating nature-based virtual environments into care practices. This approach can promote a sense of connection to the natural world for the older residents in the LTCFs.

Efficacy of Mobile App-Based Dietary Interventions Among Cancer Survivors: A Systematic Review and Meta-Analysis

Ching Wai Krista Chung[1], Naomi Takemura[1], Wing Tak Wendy Lam[2], Daniel Yee Tak Fong[1]
[1]School of Nursing, The University of Hong Kong, Hong Kong, [2]School of Public Health, The University of Hong Kong, Hong Kong

Background and Objectives:

The World Health Organization recommends that cancer survivors adopt general cancer preventive behaviors, such as maintaining a healthy diet and regular physical activity. Given the increasing popularity of mobile applications (apps) and the need for comprehensive evidence on the effects of mobile apps, particularly on dietary behaviors, this review aims to evaluate the efficacy of mobile app-based dietary interventions among cancer survivors and explore the crucial app features.

Methods:

A systematic search was conducted in EMBASE, Cochrane Library, PUBMED, and Web of Science from inception to September 2023 to identify studies that utilized mobile apps with dietary interventions as a major module for cancer survivors. Two independent reviewers screened the studies, extracted data, and assessed methodological quality using Cochrane's risk of bias tools for randomized trials (RoB 2) and non-randomized studies (ROBINS-I). Meta-analysis was conducted on anthropometric changes and nutritional outcomes using random-effects models.

Results:

Twenty-two studies involving 1204 cancer survivors (mean age: 15-68 years) were included. Pooled analysis showed mobile app-based dietary interventions significantly improved energy intake compared to usual care (standardized mean difference: 1.00, 95% confidence interval: 0.96, 1.03). Quality of life (QoL), dietary patterns, and nutritional statuses were also improved in the intervention groups. Most studies reported attrition rates of less than 30%, and the overall responses regarding usability, satisfaction and quality of mobile apps were positive. No adverse events were reported. Mobile apps with features matching the stages of dietary changes demonstrated the greatest improvement in nutritional outcomes.

Conclusions:

Mobile app-based dietary interventions appear efficacious to improve QoL and nutritional outcomes for cancer survivors across different cancer types and treatment statuses. App features tailored to the stages of dietary changes is warranted to promote nutritional outcomes. Future research could provide dietary recommendations specific to cancer types in their apps.

Higher Healthy Lifestyle Scores/indices were Associated with a Lower Metabolic Syndrome Risk: A Systematic Review and Meta-Analysis

Yunyang Deng[1], Qingling Yang[1], Chun Hao[2], Harry Haoxiang Wang[2, 3], Tongyu Ma[4], Xiangyan Chen[5], Fei-wan Ngai[1], Yao Jie Xie[1]

[1]School of Nursing, The Hong Kong Polytechnic University, Hong Kong, [2]School of Public Health, Sun Yat-Sen University, China, [3]College of Medicine and Veterinary Medicine, The University of Edinburgh, the United Kingdom, [4]Department of Rehabilitation Sciences, The Hong Kong Polytechnic University, Hong Kong, [5]Department of Health Technology and Informatics, The Hong Kong Polytechnic University, Hong Kong

Background and Objectives:

Combined lifestyles were associated with metabolic syndrome (MetS) in prior investigations. However, no systematic review and meta-analysis was performed. This study aimed to summarize the associations between lifestyle scores/indices and MetS in cross-sectional and cohort studies.

Methods:

A literature search was performed in Embase and Medline (up to October 04, 2023). Multivariable-adjusted odds ratios (ORs) and 95% confidence intervals (CIs) were synthesized using random-effects models. In research where higher scores indicated better health, we used the original ORs and 95% CIs directly. In studies where higher scores denoted poorer health, we first calculated the coefficients and standard errors based on the original ORs and 95% CIs. Afterward, we reversed the coefficients' directions and recalculated new ORs and 95% CIs. Thus, the pooled estimates compared the healthiest with the least-healthy lifestyles (the highest vs. lowest scores/indices). Heterogeneity was tested using the I2 statistic and the Q test. Subgroup analyses were conducted based on study design, region, baseline time, baseline age, sex, health status, MetS diagnosis criteria, and lifestyles' number. Sensitivity analyses were performed by including only high-quality studies and employing leave-one-out analyses.

Results:

Nineteen studies from 16 publications were included. Physical activity, diet, and smoking were the top three included lifestyles. Compared to participants with the least-healthy lifestyles, those with the healthiest lifestyles had a 43% lower MetS risk (95% CI=0.41-0.73) (I2=94.7%, PQ test<0.001). In subgroup analyses, healthy lifestyle scores/indices were inversely associated with both MetS prevalence in cross-sectional studies (OR=0.62; 95% CI=0.51-0.73) and MetS incidence in cohort studies (OR=0.40; 95% CI=0.11-0.68). The inverse association was consistent in other subgroup analyses and sensitivity analyses.

Conclusions:

There was an inverse association between healthy lifestyle scores/indices and MetS. Higher healthy lifestyle scores/indices were associated with lower prevalence and incidence of MetS. Adherence to a healthy lifestyle pattern was beneficial to MetS prevention.

Impact of Antenatal Education on Postpartum Skin-to-Skin Contact

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Background and Objectives:

Skin-to-skin contact (SSC) post-birth offers myriad physiological and psychological benefits to both mother and infant. Despite its significance, gaps exist in its universal application due to cultural norms, lack of awareness, and institutional protocols. This study aims to determine the efficacy of antenatal education in promoting SSC, thereby enhancing maternal and infant outcomes.

Methods:

A quasi-experimental design was employed with expectant mothers as participants. The sample comprised 52 participants, with approximately 26 in each group, determined using an effect size (d) of 0.8, alpha level of 0.05, and power of 0.80. Stratified random sampling was used, grouping participants by age, previous childbirth experience, and educational background. The intervention group received antenatal education emphasizing SSC benefits, while the control group underwent standard antenatal care. Pre- and post-intervention assessments measured mothers' knowledge, attitude, and actual practice of SSC post-birth.

Results:

This study evaluated antenatal education's impact on postpartum SSC practices and perceptions. In the intervention group, all engaged in SSC for over 60 minutes, with 30% exceeding 90 minutes, while the control group averaged 25 minutes. This difference was statistically significant. Results reinforce that informed mothers are more likely to adopt SSC post-birth. The diverse sample showed consistent outcomes, highlighting education's broad relevance. Infants in the intervention group showed improved physiological responses, and their mothers reported enhanced bonding.

Conclusions:

Our study emphasizes antenatal education's role in enhancing post-birth skin-to-skin (SSC) practices. Informed mothers showed prolonged SSC, echoing prior research on education boosting this valuable behavior. Outcomes across varied demographics highlight antenatal education's universal importance. The intervention group reported immediate benefits, such as infants' faster temperature stabilization and less crying. Moreover, these mothers felt a stronger bond with their newborns, underscoring education's multifaceted impact.

Effectiveness of Telehealth Interventions on Cognitive Function in Patients with Neurological Disorders: A Systematic Review and Meta-Analysis

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Background and Objectives:

Telehealth seems to be an encouraging solution for the remote delivery of cognitive interventions in patients with neurological disorders. This review aims to identify the technologies used to achieve telehealth interventions on cognitive function, and analyse and report the effectiveness.

Methods:

From inception to September 2023, a systematic search was performed on eight databases. Following the PRISMA guidelines, a meta-analysis of randomized controlled trials evaluating telehealth interventions for cognitive function in patients with neurological disorders was conducted using version 4.1.3 of the R software package. The Revised Cochrane risk of bias tool for randomized trials (RoB2) tool was used for risk of bias assessment. This systematic review was registered at PROSPERO (number CRD42023474841). As this study is a systematic review, primary data and ethics assessment are not applicable to it.

Results:

A total of thirteen studies with 838 participants were included, eleven of which were eligible for the meta-analysis. Asynchronous telehealth intervention with regular supervision was the most commonly used implementation delivery. The pooled results suggested that telehealth interventions had a moderate but not statistically significant positive effect on global cognitive function (standardized mean difference (SMD)=0.59, 95% confidence interval (CI): −0.59−1.78, P=0.32), when compared with control groups. Regarding the domain-specific cognitive functions, there was no statistically significant effect on executive function (SMD=0.09, 95%CI: −0.26−0.44, P=0.62), learning and memory (SMD=0.39, 95%CI: −0.12−0.91, P=0.13), language function (SMD=0.13, 95%CI: −0.31−0.57, P=0.57), and attention (SMD=0.21, 95%CI: −0.02−0.44, P=0.08). However, subgroup analysis indicated that there was a nearly medium and significant positive effect on attention in patients with multiple sclerosis (SMD=0.45, 95%CI: 0.15−0.76, $P < 0.01$).

Conclusions:

Telehealth interventions could ensure the continuity of treatment and have the potential to improve the cognitive function of patients with neurological disorders. More related studies with adequate statistical power and rigorous designs are needed.

Continuous Vital Signs Monitoring Using a Non-Wearable Device in Nursing Home: Approach by Nurses

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Background and Objectives:

Vital signs monitoring is necessary for older adults in nursing homes. Some nursing homes use non-wearable devices to measure vital signs, without the burden of nursing home residents and their nurses. Nursing home nurses want to provide nursing care based on the vital signs; however, the consistency of vital signs measured by non-wearable devices has not been assessed. We aimed to evaluate the feasibility and consistency of continuous vital signs monitoring using a non-wearable device.

Methods:

In this study, we focused on the non-wearable device that was placed under the mattress and measured heart and respiratory rates per minute (the Safety Sheep Sensor). We evaluated the consistency of vital signs in healthy participants aged 20–60 years (study 1; N=21) and older adults who lived in nursing homes and required nursing care (study 2; N=20). The citation method for heart rate was measured by the nurse and wearable device (Silmee Bar type Lite sensor), and respiratory rate was measured by the nurse. The primary outcome was the mean difference in heart rate (< 5 beats) and respiratory rate (< 3 breaths) between non-wearable devices and citation methods.

Results:

The mean difference in heart rate was −0.32 (standard deviation [SD]; 3.12) in study 1 and 0.04 (SD; 3.98) in study 2. The mean difference in respiratory rate was −0.98 (SD; 3.01) in study 1 and −0.49 (SD; 2.40) in study 2. Additionally, no participants complained of discomfort during and after the measurement.

Conclusions:

Heart and respiratory rate measurements obtained from the non-wearable devices were within the predefined accepted discrepancies. Non-wearable devices may help nurses grasp residents' vital signs and detect changes, leading to early and appropriate intervention for older adults in nursing homes.

Factors Influencing Exclusive Breastfeeding Rates Until 6 Months Postpartum: The Japan Environment and Children's Study

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Background and Objectives:

Breastfeeding has been reported to lower a child's risk of infectious disease and allergic illness while also being beneficial to the health of the mother. Exclusive breastfeeding (EBF) for the first 6 months is recommended by the United Nations Children's Fund (UNICEF), the World Health Organization (WHO), and the American Academy of Pediatrics. This research aimed to examine the efficacy of the early initiation of breastfeeding within 1 h of birth, early skin–to–skin contact, and rooming–in for the continuation of EBF until 6 months postpartum.

Methods:

The research used data from the Japan Environment and Children's Study (JECS), a nationwide government–funded birth cohort study. A total of 80,491 mothers in Japan between January 2011 and March 2014 who succeeded or failed to EBF to 6 months were surveyed in JECS. Multiple logistic regression model was used to analyze the data.

Results:

The percentage of mothers who succeeded in EBF to 6 months is 37.4%. Adjusted odds ratios were analyzed for all 35 variables. Early initiation of breastfeeding (adjusted odds ratio [AOR]: 1.455 [1.401 – 1.512]), early skin–to–skin contact (AOR: 1.233 [1.165 – 1.304]), and rooming–in (AOR: 1.567 [1.454 – 1.690]) affected continuation of EBF. Regional social capital (AOR: 1.133 [1.061 – 1.210]) was also discovered to support the continuation of EBF. In contrast, the most influential inhibiting factors were starting childcare (AOR: 0.126 [0.113 – 0.141]), smoking during pregnancy (AOR: 0.557 [0.496 – 0.627]), and obese body type during early pregnancy (AOR: 0.667 [0.627 – 0.710]).

Conclusions:

Early postpartum mother – child care—initiation of breastfeeding within one hour of birth, early skin–to–skin contact, and rooming–in—was found to contribute greatly to the continuation of EBF till 6 months postpartum. In addition, high social capital was found to effectively promote continuation of EBF.

Experience of People Living with HIV Using a Mobile App for Self-Management: One-on-One Interview

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Background and Objectives:

Health management is critical for people living with HIV (PLWH) to prevent HIV transmission and maintain healthy conditions. A mobile app 'Excellent Self Supervised HIV Care (ESSC)' was recently developed for PLWH in Korea including features such as integrative HIV health information contents, recording daily health behaviors, and counseling channel with healthcare providers. However, a detailed information of PLWH's experience using the mobile app is insufficient. This study was conducted to qualitatively understand PLWH's experience of using 'ESSC' mobile app program and to illustrate the usefulness and weakness of the mobile app.

Methods:

Participants were recruited in semi-structured qualitative one-on-one phone interviews after completing our interventional study of app use by PLWH. Interview contents were recorded and analyzed transcripts using thematic analysis method. This study was performed after obtaining approval of the institutional review board of authors attribution.

Results:

Twenty PLWH (aged 40.6 ± 11.8 years) participated in the interviews and their average periods of HIV diagnosis were 11.5 ± 7.1 years. They used the app for 2-8weeks. Overall, six usefulness and three weakness were derived as follows: usefulness such as 'monitoring for medication adherence', 'providing integrated health care information', 'animation clip', 'trustworthy educational information for people newly diagnosed HIV infection', 'easy to access and use' and 'daily mind journaling', versus weakness in 'lack of up-to-date information', 'no operation of webpage bulletin board for communication among users', and 'complexity of mind journaling webpage'.

Conclusions:

These qualitative findings after using the 'ESSC' mobile app program summarized the evidence about feasibility and needs of more interaction in the mobile app. The upgraded version of the mobile app should be provided continuously, reflecting usefulness and weakness identified by PLWH users for improvements of the contents and functions.

Components and Dimensions of Independent Living Among Community-Dwelling Filipino Older Adults

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Background and Objectives:

As people age, older adults experience physical and cognitive decline that can significantly affect their ability to live independently. Independent living is crucial for older adults as it positively impacts their health and well-being. However, the definition and understanding of independent living may vary across age groups and cultures. Recognizing the perception of older adults is essential in developing strategies and policies to support independent living. This study explores the perceptions of independent living of community-dwelling older adults.

Methods:

This qualitative descriptive study explored the perceptions of thirty-two (32) physically healthy older adults residing in urban and rural communities in the Philippines. In-depth interviews were collected using a semi-structured interview guide. Content analysis was used to identify common themes. Trustworthiness and rigor of the qualitative process were ensured by iterative questioning, member checking, and external audits.

Results:

Five main themes emerged as dimensions of independent living: (1) ensuring physical health, (2) maintaining physical capacity, (3) maintaining social relationships with others, (4) being financially stable, and (5) being spiritually connected. Importantly, older adults viewed maintaining good health, having the ability to engage in self-care, unburdening others, gaining control, having a right to make decisions, forming meaningful connections with others, having positive relationships with others, having a source of income, and maintaining religious practices as essential components of independent living.

Conclusions:

Independent living is a multifaceted concept that considers the cultural identity, necessary resources, and overall attitude towards aging. For older adults, independent living means meeting their physical, psychosocial, financial, and spiritual needs. Hence, it is crucial to approach older adults holistically, considering various factors contributing to their overall well-being. Engaging older adults in activities that enhance their well-being and addressing the multiple factors influencing their independence can promote a fulfilling and independent life for older adults.

Effectiveness of a Self-Care Promoting Program on Health-Related Outcomes Among Persons with Diabetic Retinopathy: A Randomized Controlled Trial Study

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Background and Objectives:

Diabetic retinopathy (DR) is an eye condition that can cause vision loss and blindness in diabetes people. Promoting self-care behaviors is crucial for persons with DR to control DR severity and prevent blindness. This study investigated the effects of a self-care promoting program (SCPP) on health-related outcomes of DR persons.

Methods:

A randomized controlled trial design was used for this study. The SCPP was developed based on the Self-Care of Chronic Illness theory and the American Association of Diabetes Educators Guidelines. Ninety-eight participants were randomly assigned to the experimental and the comparison group (n = 49 per group). The experimental group received the SCPP plus usual care, while the comparison group received only usual care. Instruments for data collection included demographic data form, the self-care of diabetes index questionnaires, the self-care for diabetes eye care questionnaires, the impact of visual impairment questionnaires, and DR severity verified by the three ophthalmologists. Data analyses using descriptive statistics, chi-square, t-test, and MANOVA.

Results:

The experimental group had significantly improved engagement in self-care behaviors than the comparison group at weeks 8 and 16 ($p<.001$). When considering each domain of self-care and eye-care behaviors, findings showed that the highest score is self-care and eye-care confidence behaviors, followed by maintenance, monitoring, and management. Additionally, HbA1C and vision-related quality of life had significantly decreased and lowered than the control group at week 16 ($p<.001$ and $p<.05$). However, both groups had no significant differences in visual acuity and increased DR severity at week 16.

Conclusions:

Results suggest that it is essential for DR nurses to focus on health education in enhancing the DR persons' confidence to perform monitor, and manage self-care behaviors. These strategies can help patient awareness with early detection by regularly monitoring themselves to achieve diabetes outcomes to prevent blindness from DR.

Award Candidate Poster Presentation Session

Effectiveness of a Smartphone-Based Perioperative Care Solution for Women Undergoing Breast Cancer Surgery: Randomised Controlled Trial

Yan Pang[1], Li-xia Zhu[1], Nicole Kim Luan Lee[2], Swee Ho Lim[2], Me Me Win Htein[2], V Vien Lee[3], Ying Hong Li[2], Xiao Xin Zhao[2], Elizabeth Jia Hui Chan[4], Ruey-pyng Ng[2], Hong-gu He[1]

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Background and Objectives:

Breast cancer, a predominant malignancy among women globally, poses multifaceted challenges encompassing physical, physiological, and psychosocial dimensions during diagnosis and treatment. While face-to-face psychosocial interventions have proven beneficial, there is a scarcity of knowledge regarding the efficacy of digital solutions in providing comprehensive perioperative care for breast cancer patients. This study aimed to develop and evaluate the effectiveness of an Innovative Smartphone-based Perioperative Care Solution for Women undergoing Breast Cancer Surgery (iCareBreast). The assessment focused on self-efficacy, anxiety, depression, cancer-related fatigue, health-related quality of life, and satisfaction with perioperative care.

Methods:

A two-group randomized control trial was conducted at a tertiary hospital in Singapore, involving 124 women with breast cancer requiring surgery. Participants were randomly assigned to the intervention or control group, and outcomes were assessed using validated instruments at baseline, post-test 1 (immediately after the intervention), and post-test 2 (three months post-surgery). Intention-to-treat analysis was employed, and the general linear model was used to compare health outcome changes between groups.

Results:

Demographical and clinical data were comparable at baseline for the two groups. Contrary to expectations, the smartphone-based intervention demonstrated no significant differences in all health outcomes and satisfaction scores with perioperative care for breast cancer patients compared to the control group at both post-test assessments. The process evaluation yielded three overarching themes and eight subthemes. These themes encompassed aspects of iCareBreast that aligns with breast cancer patients need, existing limitations of iCareBreast and crafting the subsequent iteration of iCareBreast

Conclusions:

The smartphone-based intervention, while well-received by users, did not exhibit efficacy in improving self-efficacy and other health-related outcomes. Process evaluation findings highlight the significance of fostering positivity and companionship, preparing individuals for breast surgery and post-surgery care, and ensuring user-friendliness. This insight underscores the importance of refining the iCareBreast application for subsequent iterations to optimize its potential impact on the specified health outcomes.

Post-Hospital Falls in Older Patients: Investigating Associated Factors in Domain of Hospitalization and Subsequent Care

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Background and Objectives:

Post-hospital falls pose a significant healthcare burden for older adults, but the contributing factors related to hospitalization and subsequent care remain inadequately explored. This impedes the development of effective intervention strategies. Therefore, this study aimed to investigate the novel factors associated with post-hospital falls in domains of hospitalization and subsequent care.

Methods:

This territory-wide retrospective cohort study examined the electronic medical records of patients aged 65 or over and discharged from public hospitals in Hong Kong in 2007-2018. Post-discharge falls within 12 months were identified through diagnosis codes or clinical notes from inpatient admission episodes, the Accident and Emergency Department visits, and death records. Binary logistic regression was employed to investigate the factors related to hospitalization and subsequent care that were associated with post-hospital falls, controlling for factors from biological and socioeconomic domains.

Results:

Among 606,392 older patients, 28,593 (4.71%, 95% CI: 4.66%-4.77%) experienced falls within 12 months after discharge. Factors related to hospitalization and subsequent care, including discharge from non-surgical wards, length of stay over two weeks, and participation in Geriatric Day Hospital and Rehabilitation Day Program, were significantly associated with an increased risk of post-hospital falls (range of ORs: 1.07-1.52). Conversely, receiving Allied Health Service or Nurse Service was significantly correlated with a reduced risk (range of ORs: 0.60-0.71). Meanwhile, advancing age, being female, having more comorbidities, taking more Fall Risk Increasing Drugs, previous admission for falls, and living in Hong Kong Island were significantly associated with increased risk (range of ORs: 1.04-2.58).

Conclusions:

The identified novel factors in domains of hospitalization and subsequent care further complete the profile of vulnerable group for post-hospital falls. It is crucial to prioritize fall risk assessments and implement tailored preventive measures for this specific group to reduce their risk of post-discharge falls.

Acknowledgments: Provision of anonymized data by Hospital Authority Data Collaboration Laboratory

Nursing Students' Digital Literacy on Generative AI: A Latent Profile Analysis

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Background and Objectives:

With the emergence of generative AI, nursing students worldwide are actively exploring its application in curriculum learning, making digital literacy an essential skill. Enhancing digital literacy of nursing students is crucial to improving nursing practice, fostering scientific and technological innovation, and promoting high-quality nursing research. This study aims to assess the current status of nursing students' digital literacy on generative AI and establish potential categories to analyze differences in characteristics of nurse students across classes, and to propose enlightenment for nursing educators.

Methods:

In this cross-sectional study, nursing students from two medical colleges in Anhui and Shanghai were conveniently sampled between October and December 2023. Demographics, digital literacy, ethical awareness and cognitive attitudes regarding generative AI were included in the questionnaire. Potential profile analysis was employed to identify categories of digital literacy while multiple logistic regression was used to compare the characteristics of different categories.

Results:

576 nursing undergraduates and postgraduates were included for further analysis.The characteristics of digital literacy among nurse students could be divided into three potential categories: low literacy (38.9%), medium literacy (52.4%) and high literacy (8.7%). Compared with "high literacy", nursing students with poor ethical awareness were more likely to belong to "low literacy" and "medium literacy"(OR=0.011, P=0.003; OR=0.042, P<0.001); Students with lower cognitive attitude scores were also more likely to be classified into the "low literacy" and "medium literacy". (OR=0.097, P<0.001; OR=0.311, P=0.018). General knowledge of generative AI was more likely to be a predictor of "low literacy" (OR=0.198, P=0.003).

Conclusions:

The proportion of nursing students with high digital literacy is small, which suggests that nursing educators should strengthen the cultivation of digital literacy of nursing students, especially identify those with low literacy characteristics, and take targeted measures such as improving the ethical awareness and cognitive attitude towards generative AI to promote the improvement of digital literacy.

Associated Factors Between Readiness and Adjustment to Nursing Home Life of Older Adults in Japan: A Cross-Sectional Study

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Background and Objectives:

Transitioning to a nursing home (NH) is a stressful event for older adults, exacerbated by cases where residents were not informed about the transition. Such circumstances can negatively impact readiness, subsequently leading to depression post-transition among older adults. This study explores the association between adjustment to NH and readiness/quality of life (QOL) in older adults.

Methods:

We collected data on the characteristics of older adults and their readiness before transitioning, assessed through indicators such as being informed about the transition (INH), visiting NH beforehand (VNH), and preparation before the transition (PNH). QOL and adjustment were assessed using the Short Form-8 and the Nursing Home Adjustment Scale (NHAS), respectively. We classified the older adults exhibiting an NHAS score > 90 points as having high adjustment levels.

Results:

We included 120 older adults in this study (age: 81.3 ± 8.4 years, Female: 69.2%, NHAS: 88.3 ± 15.7 points). The frequency of INH, VNH, and PNH were 83%, 56%, and 69%, respectively. A total of 61 older adults (50.8%) were in the high adjustment group. No significant difference between the high and low NHAS groups was observed for age, gender, and length of stay. The presence of INH, VNH, and PNH in the high NHAS group was higher than in the low NHAS group. Regarding QOL, Mental Component Summary score (MCS) in the high NHAS group were significantly higher than those in the low NHAS group. Logistic regression analysis showed the high NHAS groups had higher VNH (OR [95% CI]: 3.11 [1.38-7.03], P=0.006) and high MCS (OR [95% CI]: 1.13 [1.05-1.21], P=0.001).

Conclusions:

NH adjustment was associated with VNH and MCS among older adults residing in NH. We should pay attention to older adults in NH who did not visit before the transition, as they experienced a decline in mental health following the transition.

Diabetes Oral Medications on TikTok: Assessment of Information Quality

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Background and Objectives:

Oral diabetes medications are important for diabetic control. Although there are many health-related videos on TikTok, it is unclear whether the information quality is satisfactory. The purpose of this study was to assess information related to the diabetes oral medications on TikTok.

Methods:

The keyword "diabetes oral medications" was used to search on the Chinese version of TikTok, and finally included 138 samples. Then, the basic information of the videos and the content of user comments was captured using Python. The sentiment category of each video was assigned based on the predominant positive, neutral, or negative attitude, as analyzed using the Weiciyun website. Two independent raters assessed the video content and the information quality using the DISCERN and PEMAT-A/V instruments.

Results:

Doctors were the main source (98.6%) of videos. Most contents of the diabetes oral medications on TikTok were related to the mechanism of action (54.3%), precautions (50.7%) and advantages (49.3%), with limited information on indications (13.8%) and contraindications (10.1%). It was found that 10.9% of the videos showed inaccurate information. The overall information quality of the videos was acceptable (3.27 ± 0.67). The videos on TikTok showed relatively high comprehensibility (75.14%) but poor actionability (59.43%). In terms of user attitude, the largest percentage of videos were positive (66.7%), followed by neutral (24.6%) and the least negative (8.7%). Multiple logistic regression revealed two factors influencing positive attitude: user comments (OR, 0.503; 95% CI, 0.269-0.965; P =0.038) and information quality of treatment choices (OR, 3.556; 95% CI, 1.339-9.443; P=0.011).

Conclusions:

Despite most videos being posted by doctors with generally acceptable information quality and positive user attitude, some content inaccuracies and poor actionability remain. Providers should focus on enhancing content actionability to aid diabetic patients in accessing accurate health information and promoting medication adherence.

Intensive Care Unit-Acquired Weakness: Effects on 3-Month Mortality and Hospital Length of Stay in Critically Ill Survivors

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Background and Objectives:

More than half of patients experience ICU-acquired weakness (ICUAW). This study aims to investigate the incidence of ICUAW and its effects on 3-month mortality and hospital length of stay (LOS).

Methods:

This is a single-center prospective cohort study using data from a Functional Improvement for ICU Survivors project. Consecutive patients (aged ⩾20 years) admitted to six medical ICUs of a university-affiliated tertiary hospital were recruited. Participants who survived and discharged from the ICUs were assessed for weakness using the Medical Research Council (MRC) scale for Muscle Strength at 6 parallel muscle groups (summed MRC score range from 0 to 60) within 48 hours of ICU discharge. An MRC score of less than 48 points was indicated as developing ICUAW. These survivors were evaluated again for 3-month mortality and hospital LOS after their ICU discharge.

Results:

With a total of 248 survivors, participants had a mean (SD) age of 65.7 years, 55.2% were ⩾ 65 years old, and 41.5% receiving mechanical ventilation with an average 7.4 day of ventilation duration. Upon ICU discharge, weakness was present in 55 of the participants (22%). After adjusting for participants' age, whether endotracheal intubation was inserted, and the Sequential Organ Failure Assessment score at ICU admission, participants who developed weakness during their ICU stays had a 2.86 higher risk of death in three months (adjusted hazard ratio=2.86; 95% Confidence Intervals [CI]=1.51 to 5.42). Also, incident ICUAW was associated with longer hospital stays (adjusted beta=19.88; 95% CI=10.54 to 29.21).

Conclusions:

Weakness in critical illness is associated with a higher risk of 3-month mortality and prolonged hospital LOS following ICU discharge. Further research is required to investigate adequate prevention or intervention to mitigate the development of weakness among these survivors.

Oral Presentation Session 1: Nursing Education

Date:	6 March 2024 (Wednesday)
Time:	13:00 – 14:30
Venue:	Oral Presentation Room B, Lee Shau Kee Lecture Centre, LG/F, Centennial Campus, The University of Hong Kong
Moderator:	Professor Mandy Ho

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Yanjie Wang
School of Nursing, Liaoning University of Traditional Chinese Medicine, China

96 **Information-Seeking in Proactive Behavior of Newly Graduated Nurses in Japanese Hospitals**
Misuzu Gregg[1], Toyomi Wakisaka[2], Chifuyu Hayashi[3]
[1]Department of Nursing, Meio University Graduate School of Nursing, Japan, [2]Department of Nursing, Konan Women's University, Japan, [3]Department of Nursing, Kobe City College of Nursing, Japan

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Liping Ren[1, 2], Linlin Jia[3], Sukhee Ahn[2]
[1]School of Nursing, Weifang Medical University, China, [2]School of Nursing, Chungnam National University, South Korea, [3]School of Nursing, Jining Medical University, China

151 **The Non-Cognitive Skills Scale for Nursing Students: Development and Psychometric Properties Testing**
Han Shi Jocelyn Chew[1], Wei How Darryl Ang[1], Khairul Dzakirin Bin Rusli[1], Sok Ying Liaw[1], Neo Kim Emily Ang[1], Ying Lau[2]
[1]Alice Center for Nursing Studies, National University of Singapore, Singapore, [2]The Nethersole School of Nursing, The Chinese University of Hong Kong, Hong Kong

214 **The Impact of Using an Academic Electronic Medical Record Program on First-Year Nursing Students'Confidence: A Cohort Study**
Danielle Noble[1], Lyndall Mollart[1], Pauletta Irwin[2], Jennifer Mallyon[3], Adrian Mereles[4]
[1]School of Nursing and Midwifery, University of Newcastle, Australia,[2]School of Nursing, Paramedicine and Healthcare Sciences, Charles Sturt University, Australia,[3]Central Coast Local Health District, Gosford Hospital, Australia, [4]Teaching and Learning, University of Newcastle, Australia

419 **First Year Nursing Students' Confidence and Skills in Using an Academic Electronic Medical Record App: A Quasi-Experimental Study**
Lyndall Mollart[1], Danielle Noble[1], Adrian Mereles[2], Jennifer Mallyon[3], Pauletta Irwin[4]
[1]School of Nursing and Midwifery, University of Newcastle, Australia, [2]Learning Design and Teaching Innovation Department, University of Newcastle, Australia, [3]Nursing Department, Central Coast Local Health District, Australia, [4]School of Nursing, Paramedicine and Health Sciences, Charles Sturt University, Australia

425 **Stress and Relationship with Satisfaction in Clinical Practice at the Hospital of Nursing Students**
Thanh Tri Truong, Vy Van Thao Ngan Nguyen
Faculty of Nursing and Medical Technology, University of Medicine and Pharmacy of Ho Chi Minh City, Vietnam

687 **Street Youths in the Capital Thailand: A Tailored Model and Digital-Friendly Platform for Violence Prevention**
Naruemon Auemaneekul, Chutiwat Suwatthipong, Vasin Pipattanachat, Suphattra Seesaet, Mayurachat Tangramae
Department of Public Health Nursing, Faculty of Public Health, Mahidol University, Thailand

Oral Presentation Session 2: Health Care Systems and Policy

Date:	6 March 2024 (Wednesday)
Time:	13:00 – 14:30
Venue:	Oral Presentation Room C, Lee Shau Kee Lecture Centre, LG/F, Centennial Campus, The University of Hong Kong
Moderator:	Dr. Quanlei Li

23	**Building Family Resilience: Qualitative Perspectives from A Multisite Experimental Study in ICU** Brigitte Cypress School of Nursing, Rutgers University, the United States
57	**Concept Analysis of Kinesiophobia in Patients with Heart Disease** Yu Tian[1], Lei Liu[1], Yi Kang Xu[2], Bo Li[3], Jia Yu Wang[1] [1]School of Nursing, Liaoning University of Traditional Chinese Medicine, China, [2]Department of Cardiology, The Second Affiliated Hospital of Shenyang Medical College, China, [3]Department of Nursing, Dalian Friendship Hospital, China
747	**Facing Uncertainty Together: Perspectives of Hong Kong's Frontline Caregivers** Ka Huen Yip[1], Yuk Chiu Yip[2], Wai King Tsui[1] [1]School of Health Sciences, Saint Francis University, Hong Kong, [2]LiPACE, Hong Kong Metropolitan University, Hong Kong
1082	**Evaluation of Clinical Supervision Implementation for Mental Health Nurses in Victoria, Australia.** Hosu Ryu[1], Bridget Hamilton[1], Niels Buus[2], Lucio Naccarella[3], Marie Gerdtz[1] [1]Department of Nursing, University of Melbourne, Australia, [2]Department of Public Health, Aarhus University, Denmark, [3]Melbourne School of Population and Global Health, University of Melbourne, Australia
1160	**Transition Patterns of Symptom Clusters and Quality of Life in Patients with Lung Cancer Surgery** Yesol Kim[1], Mona Choi[2] [1]College of Nursing and Brain Korea 21 FOUR Project, Yonsei University, South Korea, 2College of Nursing and Mo-Im Kim Nursing Research Institute, Yonsei University, South Korea
1171	**Application of the Consolidated Framework for Implementation Research to Facilitate and Implement Enhanced Recovery After Surgery in Clinical Setting** Liujiao Cao, Ka Li West China School of Nursing/West China Hospital, Sichuan University, China
1434	**Oncology Case Managers Promote Smart Medical-Patient Shared Decision-Making to Improve Patients'Cognitive Impact on Self-Care - Taiwan as an Example** Xiao-lian Zhuo[1, 2], Chia-herng Yue[1] [1]Tungs' Taichung MetroHarbor Hospital, Breast Medical Center, Taiwan, [2]National Yang Ming Chiao Tung University, Taiwan

Oral Presentation Session 3: Nursing Education

Date:	6 March 2024 (Wednesday)
Time:	15:00 – 16:30
Venue:	Oral Presentation Room B, Lee Shau Kee Lecture Centre, LG/F, Centennial Campus, The University of Hong Kong
Moderator:	Professor Benjamin Ho

487 **The Effect of an Online Learning on Nurse Practitioners' Competency in Occupational Health Services for Agricultural Workers Exposed to Pesticides**
Napamon Pumsopa[1], Ann Jirapongsuwan[1], Surintorn Kalampakorn[1], Sukhontha Siri[2]
[1]Department of Public Health Nursing, Faculty of Public Health, Mahidol University, Thailand, [2]Department of Epidemiology, Faculty of Public Health, Mahidol University, Thailand

534 **The Development of Critical Thinking and Its Influencing Factors in the Medical Education: A Study Based on Grounded Theory and DEMATEL**
Yan Wu[1], Wenbo He[2], Kunjie Wang[3]
[1]College of Marxism, Sichuan University, China, [2]Medical Device Regulatory Research and Evaluation Center, West China Hospital, Sichuan University, China, [3]Department of Postgraduate Student, West China School of Medicine, Sichuan University, China

591 **An Appreciative Inquiry (AI) Study: Exploring Students' Clinical Placements in Private Hospital Maternity Settings**
Lyndall Mollart, Karen Mclaughlin, Jessica Wood, Allison Cummins
School of Nursing and Midwifery, University of Newcastle, Australia

649 **Exploring the Relationship Between Moral Distress and Compassion Fatigue Among Nursing Students in Hong Kong: A Cross-Sectional Study**
Winnie Lai Sheung Cheng
School of Health Sciences, Saint Francis University, Hong Kong

854 **Nurses' Perceptions of Employability in Inter-Organizational Transfers: A Cross-Sectional Study of Its Association with Career Self-Reliance and Personal Characteristics**
Tamaki Isobe[1], Ryohei Kida[1], Yukie Takemura[2]
[1]Department of Nursing Administration, Division of Health Sciences and Nursing, Graduate School of Medicine, The University of Tokyo, Japan, [2]Nursing Department, The University of Tokyo Hospital, Japan

934 **Nursing Students' Conceptions of the LGBTQ+ Community in Japan: Contents Analysis**
Hiroki Hirai[1], Akiko Kondo[1], Janelle Moross[2]
[1]Graduate School of Health Care Sciences, Tokyo Medical and Dental University, Japan, [2]Institute of Global Affairs, Tokyo Medical and Dental University, Japan

1442 **Efficacy of an Empathy-Competent Course Embedded in Smoking Cessation Training for Master of Nursing Students: A Randomized Controlled Trial**
Guowen Zhang, Derek Yee Tak Cheung, Veronica Suk Fun Lam, Kevin Tzu Tsun Luk, Kelvin Man Pin Wang, Maggie Mee Kie Chan, Sophia Siu Chee Chan
School of Nursing, The University of Hong Kong, Hong Kong

1456 **Addressing Theory-Practice Gap Through Doctoral Research: Perspectives and Insights from Supervisors of Clinical Nurses Undertaking Doctoral Studies**
Jed Montayre
School of Nursing, The Hong Kong Polytechnic University, Hong Kong, Centre of Evidence-Based Practice for Healthcare Policy, The Hong Kong Polytechnic University, Hong Kong

1488 **"Knowing Persons as Caring": A Process of Nursing Founded on the Theory of Technological Competency as Caring in Nursing**
Rozzano Locsin
Christine E. Lynn College of Nursing, Florida Atlantic University, the United States

Oral Presentation Session 4: Information and Communication Technology

Date:	6 March 2024 (Wednesday)
Time:	15:00 – 16:30
Venue:	Oral Presentation Room C, Lee Shau Kee Lecture Centre, LG/F, Centennial Campus, The University of Hong Kong
Moderator:	Dr. Kevin Luk

100 **Predicting Cognitive Impairment Following Stroke: An Application of Web-Based Artificial Intelligence**
Faizul Hasan[1], Hsiao-yean Chiu[2], Muhammad Solihuddin Muhtar[3]
[1]Faculty of Nursing, Chulalongkorn University, Thailand, [2]School of Nursing, Taipei Medical University, Taiwan, [3]Graduate Institute of Data Science, Taipei Medical University, Taiwan

226 **Effectiveness of Wearable Devices to Enhance Physical Activity in Hemodialysis Patients: A Systematic Review**
Lian-shin Shiu[1, 2]
[1]International Priority Care Center, Taiwan Adventist Hospital, Taiwan, [2]College of Nursing, National Yang Ming Chiao Tung University, Taiwan

330 **Effects of Tiktok Videos on Pharmaceutical Drug Knowledge and Health Practices of Third-Year Non-Health Sciences Students in a University in Quezon City**
Charissa Calacday, Patricia Angela Gamad, Jareth Josh Dela Cruz, Jaedeieanne Estepa, Julene Fetalino, Maxine Gabriele Flores,Reesezia Formaran, Huenich Angel Goforth
College of Nursing, Trinity University of Asia, the Philippines

414 **Effects of Technology-Based Cognitive and Exercise Interventions on Cognitive Function in Persons with Mild Cognitive Impairment: A Systematic Review, Network Meta-Analysis, and Meta Regression**
Yifan Ye, Lifeng Zhang
School of Nursing, Sun Yat-Sen University, China

488 **Development of a Tailored STOP STROKE Application: Qualitative and Scoping Review Based**
Romthanika Faimuenwai, Naruemon Auemaneekul, Panan Pichayapinyo, Sunee Lakampan
Department of Public Health Nursing, Faculty of Public Health, Mahidol University, Thailand

1120 **Evaluating the Validity of the Nursing Statements Based on the International Classification of Nursing Practice (ICNP) Using Large Language Models**

Hyewon Park[1, 2], Sunghoon Kang[3], Jinsol Kim1, Jeongha Kim[1, 4], Jinsun Jung1, Hyeoneui Kim[1, 5]
[1]College of Nursing, Seoul National University, South Korea, [2]Department of Nursing, Samsung Medical Center, South Korea, [3]Department of Science Studies, Seoul National University, South Korea, [4]Department of Nursing, Asan Medical Center, South Korea, 5The Research Institute of Nursing Science, Seoul National University, South Korea

1146 **Development of the 2D Short Animations for Literacy Against Chronic Diseases in Adults with Diabetes and/or Hypertension**

Panan Pichayapinyo[1], Malinee Sompopcharoen[2], Weena Thiangtham[1], Jutatip Sillabutra[3], Phenchan Meekaew[1], Armote Somboonkaew[4]
[1]Department of Public Health Nursing, Mahidol University, Thailand, [2]Department of Health Education and Behavioral Sciences, Mahidol University, Thailand, [3]Department of Biostatistics, Mahidol University, Thailand, [4]National Electronics and Computer Technology Center, Thailand

Oral Presentation Session 5: Maternal and Child Health

Date:	7 March 2024 (Thursday)
Time:	09:00 – 10:30
Venue:	Oral Presentation Room A, Lee Shau Kee Lecture Centre, LG/F, Centennial Campus, The University of Hong Kong
Moderator:	Professor Kris Lok

80 **Early Detection of Biopsychosocial Risk Factors Among Taiwanese Women with a Family History of Breast Cancer Using Gail Model**

Sabiah Khairi[1], Nur Aini[1, 2], Lalu Muhammad Harmain Siswanto[3], Min-huey Chung[1, 4]
[1]College of Nursing, Taipei Medical University, Taiwan, [2]Department of Nursing, Faculty of Health Sciences, University of Muhammadiyah Malang, Indonesia, [3]Health Training Centre, Mataram Health Training Centre, Indonesian Ministry of Health, Indonesia, [4]Department of Nursing, Shuang Ho Hospital, Taipei Medical University, Taiwan

134 **Maternal Voice and Lullaby Interventions for Pain Reduction During Heel Lance in Premature Infants**

Hsiang-yin Lin[1], Chi-wen Chen[2]
[1]Department of Nursing, Changhua Christian Children's Hospital, Taiwan, [2]College of Nursing, National Yang Ming Chiao Tung University, Taiwan

375 **Assessing and Differentiating Subtypes of Emergence Delirium in Children of Cornell Assessment of Pediatric Delirium Tool**

Yichen Chen[1], Man-ling Wang[2], Hsiao-yean Chiu[1]
[1]School of Nursing, Taipei Medical University, Taiwan, [2]Anesthesiology, National Taiwan University and Hospital, Taiwan

492 **Comparing Parenting Stress Among Child-Rearing Families Based on Child Characteristics: A Longitudinal Study**

Midori Asano[1], Ayako Furuzawa[2], Yukimi Ohashi[2], Tomo Nonoyama[1], Tomoko Oomura[3]
[1]Integrated Health Sciences, Nagoya University Graduate School of Medicine, Japan, [2]Faculty of Nursing, Nihon Fukushi University, Japan, [3]Colledge of Life and Health Sciences, Chubu University, Japan

541 **Associations of Nighttime Light Exposure During Pregnancy with Maternal and Neonatal Gut Microbiota: A Cohort Study**

Ni Wu[1], Yu Sun[1], Tianlai Qiu[1], Jun Liu[1], Yanan Cao[1], Tianzi Zang[1], Xiaoxiao Fan[1], Jinbing Bai[2], Jing Huang[3], Yanqun Liu[1]
[1]School of Nursing, Wuhan University, China, [2]Nell Hodgson Woodruff School of Nursing, Emory University, the United States, [3]School of Public Health, Peking University, China

604 **Factors Influencing Health-Related Quality of Life in Children with Spina Bifida**

Hooyun Lee[1], Hyeseon Yun[1], Seung Hyeon Yang[1], Eun Kyoung Choi[2]
[1]College of Nursing and Brain Korea 21 FOUR Project, Yonsei University, South Korea, [2]College of Nursing and Mo-Im Kim Nursing Research Institute, Yonsei University, South Korea

850 **Experiences and Feelings of Parental Burnout Among Parents of Children with Autism: A Descriptive Phenomenological Study**

Jiayi Chen[1], Quanzhi Zhang[1], Chaoyue Wang[1], Jinxia Yin1, Zhichun Xu[2], Yisi Jin[2], Lingdan Meng[3]
[1]School of Nursing, Harbin Medical University, China, [2]Child Rehabilitation Unit, The Fifth Hospital of Harbin Medical University, China, 3Psychiatry and Psychology, The Third Hospital of Daqing, China

1455 **Help-Seeking Behaviors of Women with Urinary Incontinence: A Qualitative Meta-Synthesis**

Ho Ying-jung[1], Liao Yuan-mei[2]
[1]School of Nursing, University of Kang Ning, Taiwan, [2]School of Nursing, National Yang Ming Chiao Tung University, Taiwan

Oral Presentation Session 6: Gerontology and Long-Term Care

Date:	7 March 2024 (Thursday)
Time:	09:00 – 10:30
Venue:	Oral Presentation Room B, Lee Shau Kee Lecture Centre, LG/F, Centennial Campus, The University of Hong Kong
Moderator:	Professor Celine Chui

66 **Translation and Validation of Chinese Mandarin (Taiwan) EORTC QLQ-SWB32: Assessing Spiritual Well-Being in Middle-Aged and Older Adults with Chronic Illness**
Feng Yun Wang[1], Shuh Jen Sheu[2]
[1]Department of Nursing, College of Nursing, National Yang Ming Chiao Tung University, Taiwan, [a]Institute of Community Health Care, College of Nursing, National Yang Ming Chiao Tung University, Taiwan

79 **Meta-Analysis of the Sleep-Related Breathing Disorders Prevalence Among Different Subtypes of Dementia**
Nur Aini[1, 2], Kuei-ru Chou[1, 3]
[1]Department of Nursing, Changhua Christian Children's Hospital, Taiwan, [2]College of Nursing, National Yang Ming Chiao Tung University, Taiwan

114 **A Cross-Sectional Survey of Dementia Literacy and Attitudes Towards Dementia Among Indonesian Older Adults**
Widiyaningsih, Huei-ling Chiu
School of Gerontology and Long-Term Care, Taipei Medical University, Taiwan

278 **A Dynamic Online Nomogram for Predicting the Heterogeneity Trajectories of Frailty Among Elderly Gastric Cancer Survivors**
Yinning Guo[1], Xueyi Miao[1], Lingyu Ding[2], Yinyi Xu[1, 3], Kang Zhao[1], Hanfei Zhu[1], Li Chen[2], Yimeng Chen[1], Shuqin Zhu[1], Qin Xu[1]
[1]School of Nursing, Nanjing Medical University, China, [2]Department of Gastrointestinal Surgery, The First Affiliated Hospital of Nanjing Medical University, China, [3]Faculty of Health, Queensland University of Technology, Australia

405 **Promoting Mealtime Independence and Mealtime Experience for Individuals with Dementia Residing in Nursing Homes: Study Protocol**
Zhoumei Claire Yan, Peta Drury, Ibrahim Alananzeh, Victoria Traynor
School of Nursing, University of Wollongong, Australia

693 **Association of Salt Intake with Hypertension Among Community-Dwelling Older People Classified by Physical Frailty and Antihypertensive Medication – The SONIC Study**
Hiroko Yoshida[1], Mai Kabayama[1], Michiko Kido[1], Kayo Godai[1], Yuya Akagi[1], Hiroshi Akasaka[2], Kazunori Ikebe[3], Yukie Masu[4], Yasuyuki Gondo[5], Tatsuro Ishizaki[4], Kouichi Yamamoto[2], Kei Kamide[1]
[1]Department of Health Sciences, Osaka University Graduate School of Medicine, Japan, [2]Department of Geriatric and General Medicine, Osaka University Graduate School of Medicine, Japan, [3]Department of Prosthodontics, Gerodontology and Oral Rehabilitation, Osaka University Graduate School of Dentistry, Japan, [4]Department of Gerontology, Tokyo Metropolitan Institute of Gerontology, Japan, [5]Department of Clinical Thanatology and Geriatric Behavioral Science, Osaka University Graduate School of Human Sciences, Japan

Oral Presentation Session 7: Health Promotion and Disease Prevention

Date:	7 March 2024 (Thursday)
Time:	09:00 – 10:30
Venue:	Oral Presentation Room C, Lee Shau Kee Lecture Centre, LG/F, Centennial Campus, The University of Hong Kong
Moderator:	Professor Derek Cheung

404 **Neighborhood Disadvantage and Depressive Symptoms Among Patients with Cardiac Disease**
Jia-rong Wu, Chin-yen Lin, Debra Moser
College of Nursing, University of Kentucky, the United States

655 **The Effectiveness of Community-Based Smoking Cessation Intervention Before and During the COVID-19 Pandemic: A Systematic Review and Meta-Analysis**
Rattagan Yanaso[1, 2], Surintorn Kalampakorn[2], Piyanee Klainin-yobas[3]
[1]Department of Disease Prevention and Control, 4th Region, Ministry of Public Health, Thailand, [2]Department of Nursing, Faculty of Public Health, Mahidol University, Thailand, [3]Alice Lee Centre for Nursing Studies, Yong Loo Lin School Singapore of Medicine National University of Singapore, Singapore

808 **Postvention for Psychiatric Nurses: A National Cross-Sectional Survey of Nursing Directors in Japan**
Chie Tanimoto[1], Kenji Funayama[1], Shingo Ohe[2], Chiaki Kawanishi[3]
[1]School of Nursing, Niigata College of Nursing, Japan, [2]School of Nursing, Ishikawa Prefectural Nursing University, Japan, [3]Department of Neuropsychiatry, Sapporo Medical University Graduate School of Medicine, Japan

1308 **Migraine Prevalence and Clinical Features in Hong Kong Chinese Women: Findings from the MECH-HK Study**
Qingling Yang, Yao Jie Xie
School of Nursing, Faculty of Health and Social Sciences, The Hong Kong Polytechnic University, Hong Kong

1420 **Incidence and Risk Factors for Recurrent Primary Spontaneous Pneumothorax After Video-Assisted Thoracoscopic Surgery: A Systematic Review and Meta-Analysis**
Shi He[1], Ningbin Huang[1], Jingjuan Huang[2]
[1]School of Nursing, Guangzhou Medical University, China, [2]Operating Room, The First Affiliated Hospital of Guangzhou Medical University, China

1446 **Experiences and Perceptions of Sandwich Generation Caregivers Within an Asian Context: A Qualitative Systematic Review**
Lynette Wai Ling Lee, Shefaly Shorey
Alice Lee Centre for Nursing Studies, National University of Singapore, Singapore

1471 **Nonrestorative Sleep and Its Associated Factors in Chinese Adolescents: A Cross-Sectional Study**
Sha Li[1], Yanzhe Wang[1], Zheng Lin[1], Daniel Yee Tak Fong[2]
[1]School of Nursing, Nanjing Medical University, China, [2]School of Nursing, The University of Hong Kong, Hong Kong

Oral Presentation Session 8: Gerontology and Long-Term Care

Date:	7 March 2024 (Thursday)
Time:	13:30 - 15:00
Venue:	Oral Presentation Room A, Lee Shau Kee Lecture Centre, LG/F, Centennial Campus, The University of Hong Kong
Moderator:	Professor Polly Li

843 **How Does Social Support Enhance Physical and Mental Quality of Life in Frail Older Adults? Mediating Role of Activity Participation**
Yuelin Li, Rhayun Song, Lkhagvajav Gansukh, Doan Thi Thu Thao, Xianqi Gao
College of Nursing, Chungnam National University, South Korea

863 **The Relationship Between Serum NT-proBNP Levels and Frailty in Community-Dwelling Older People: A Cross-Sectional Study**
Saya Terada[1], Kayo Godai[1], Mai Kabayama[1], Yuya Akagi[1], Hiroshi Akasaka[2], Koichi Yamamoto[2], Yasuyuki Gondo[3], Yasumichi Arai[4], Tatsuro Ishizaki[5], Kei Kamide[1]
[1]Department of Health Sciences, Osaka University Graduate School of Medicine, Japan, [2]Department of Geriatric and General Medicine, Osaka University Graduate School of Medicine, Japan, [3]Department of Clinical Thanatology and Geriatric Behavioral Sciences, Osaka University Graduate School of Human Sciences, Japan, [4]Center for Supercentenarian Medical Research, Keio University School of Medicine, Japan, [5]Research Team for Human Care, Tokyo Metropolitan Institute of Gerontology, Japan

931 **Mindfulness-Based Physical Exercise (MBPE) Program for Community-Dwelling Older People with Sarcopenia: A Parallel, Two-Armed Pilot Randomized Controlled Trial**
Meng-li Li, Patrick Kor
School of Nursing, The Hong Kong Polytechnic University, Hong Kong

937 **Validation of the Chinese Version of the Adjustment Ability Scale in Cancer Patients**
Yi Chen Lee[1, 2], Chia-ling Li[2]
[1]School of Nursing, National Yang Ming Chiao Tung University School, Taiwan, [2]School of Nursing, Chang Gung University of Science and Technology, Taiwan

978 **Predictive Relationship Between Activities of Daily Living Disability and Handgrip Strength in Older Adults Residing in Nursing Homes in Korea**
Eunmi Oh[1], Daum Chung[1], Seolhwa Moon[2], Jeongeun Yang[3], Rina Choi[1], Gwi-ryung Son Hong[1]
[1]College of Nursing, Hanyang University, South Korea, [2]Department of Nursing, Hoseo University, South Korea, [3]Department of Nursing, Jesus University, South Korea

1194 **A Network Analysis Model in Disabled Elderly Individuals Based on Self-Reported Psychological and Mental Health Symptoms**
Mo Yi, Zhiwen Wang
School of Nursing, Peking University, China

1333 **Evaluating an Intergenerational-Based Intervention for Preventing Non-Communicable Diseases in Older Adults in Hong Kong: A Pretest-Posttest Design**
Wenshu Li[1], Sophia Siu Chee Chan[2], Kelvin Man Ping Wang[1], Tsz Yin Wong[2]
[1]School of Nursing, The University of Hong Kong, Hong Kong, [2]LKS Faculty of Medicine, The University of Hong Kong, Hong Kong

Oral Presentation Session 9: Community and Public Health

Date:	7 March 2024 (Thursday)
Time:	13:30 – 15:00
Venue:	Oral Presentation Room B, Lee Shau Kee Lecture Centre, LG/F, Centennial Campus, The University of Hong Kong
Moderator:	Professor Yi Nam Suen

22 **Implementation Strategies to Promote Linkage to Care for Key Populations After HIV Self-Testing: A Scoping Review**
Panpan Ma[1], Rina Shoki[2], Xinyi Su[3], Erika Ota[2]
[1]School of Nursing, International University of Health and Welfare, Japan, [2]School of Nursing, St. Luke's International University, Japan, [3]School of Nursing, Central South University, China

82 **A Meta-Analysis of the Prevalence of Low Resilience Among the General Population and Health Professionals During the COVID- 19 Pandemic**
Fitria Endah Janitra[1, 2], Kuei-ru Chou[1]
[1]School of Nursing, Taipei Medical University, Taiwan, [2]Faculty of Nursing, Universitas Islam Sultan Agung, Indonesia

197 **Exploring the Multifaceted Relationships Between Gender, Traumatic Experiences, Future Expectations, and Risk to Substance Abuse in College Students**
Fen-he Lin[1], Jung-chen Chang[1, 2]
[1]School of Nursing, National Taiwan University, Taiwan, [2]School of Nursing, National Taiwan University Hospital, Taiwan

451 **Effects of the Reduce Sedentary Time (ReSeT) Program on Sedentary Behaviors Among Office Workers**
Wanwilai Outtarawichian[1], Surintorn Kalampakorn[1], Plernpit Boonyamalik[1], Yot Teerawattananon[2]
[1]Department of Public Health Nursing, Faculty of Public Health, Mahidol University, Thailand, [2]Health Intervention and Technology Assessment Program, Ministry of Public Health, Thailand

495 **The Effect of a Fitness Mobile Application on the Physical Activity of Office Workers in Taguig City**
Ma. Casey Gillianne Tampinco Reyes, Keith John Ramos, Christine Realubit, Krizza Marie Rebortura, Sheena Gail Reyes, Jennex Salazar, Catherine Eve B. Yngente
St. Luke's College of Nursing, Trinity University of Asia, the Philippines

1243 **Network Analysis of Cervical Cancer and HPV Vaccine Awareness Among Female College Students**
Yasuhiko Ebina[1], Eri Kano[2], Hinako Inazawa[3]
[1]Faculty of Health Sciences, Hokkaido University, Japan, [2]Department of Health Sciences, School of Medicine, Hokkaido University, Japan, [3]Graduate School of Health Sciences, Hokkaido University, Japan

1339 **Impact of Perceived Social Stress on Insulin Concentration Among Men Living with HIV: A Study in Northern Taiwan**
Jia-jing Wu[1], Shu-he Huang[2]
[1]School of Nursing, College of Medicine, National Taiwan University, Taiwan, [2]Department of Nursing, College of Nursing, National Yang Ming Chiao Tung University, Taiwan

1484 **Sociodemographic and Health Risk Predictors of Quality of Life Between Cisgender and Transgender University Students in Thailand**
Priyoth Kittiteerasack[1], Anek Pootong[2], Parichart Pattarapanitchai[3], Sirinart Choomean[2]
[1]Faculty of Nursing, Thammasat University, Thailand, [2]Faculty of Allied Health Sciences, Thammasat University, Thailand, [3]Faculty of Sciences, Chiang Mai University, Thailand

Oral Presentation Session 10: Health Promotion and Disease Prevention

Date:	7 March 2024 (Thursday)
Time:	13:30 – 15:00
Venue:	Oral Presentation Room C, Lee Shau Kee Lecture Centre, LG/F, Centennial Campus, The University of Hong Kong
Moderator:	Professor Denise Cheung

24 **Efficacy of a Self-Management Program in Patients with Chronic Viral Hepatitis in China**
Ying'ai Cui[1], Michiko Moriyama[2], Md Moshiur Rahman[2]
[1]School of Nursing, Guangdong Medical University, China, [2]Chronic Care and Family Nursing, Graduate School of Biomedical & Health Sciences, Hiroshima University, Japan

120 **Dyadic Effects of Resilience on Dyadic Coping and Post-Traumatic Growth in Young and Middle-Aged Coronary Heart Disease Patients and Spousal Caregivers**
Liping Ren[1, 2], Zhonghong Wang[1], Sukhee Ahn[2]
[1]School of Nursing, Weifang Medical University, China, [2]School of Nursing, Chungnam National University, South Korea

206 **The Effectiveness of Preoperative Education Interventions on Improving Perioperative Outcomes of Adults Undergoing Cardiac Surgery: A Systematic Review and Meta-Analysis**
Si Xian Ng[1], Wenru Wang[1], Qu Shen[2], Zheng An Toh[1], Hong-gu He[1]
[1]School of Nursing, National University of Singapore, Singapore, [2]School of Nursing, Xiamen University, China

268 **Exploring the Related Factors of Falls Risk Among Patients with Hemodialysis**
Yueh-heng Chiang[1, 2], Yu-chi Chen[3]
[1]Department of Nursing, Ditmanson Medical Foundation Chia-Yi Christian Hospital, Taiwan, [2]Department of Nursing, National Yang Ming Chiao Tung University, Taiwan, [3]Institute of Clinical Nursing, National Yang Ming Chiao Tung University, Taiwan

1219 **Effectiveness of a Community-Based Lifestyle Program on Physical Activity in Overweight Chinese Adults with Prediabetes: A Randomized Controlled Trial**
Jundi Yang, Mandy Ho, Grace Chung, Patsy Chau, Daniel Fong
School of Nursing, The University of Hong Kong, Hong Kong

1279 **Predictive Factors for Estimated Glomerular Filtration Rate (EGFR) in Stage 3 Kidney Disease Patients with Multimorbidity: A Thai Study**
Phenchan Meekaew, Panan Pichayapinyo
Department of Public Health Nursing, Faculty of Public Health, Mahidol University, Thailand

1286 **Comprehensive Economic Evaluation of Enhanced Recovery After Surgery in Pancreatic Surgery**
Liujiao Cao
West China School of Nursing/West China Hospital, Sichuan University, China

Oral Presentation Session 11: Patient-centred Care

Date:	7 March 2024 (Thursday)
Time:	15:30 – 16:40
Venue:	Oral Presentation Room A, Lee Shau Kee Lecture Centre, LG/F, Centennial Campus, The University of Hong Kong
Moderator:	Dr. Naomi Takemura

121 **Psychometric Properties of Traditional Chinese Version of Richards–Campbell Sleep Questionnaire and Unmet Needs in Intensive Care Units**
Hsiao-yean Chiu[1, 2], Pin-yuan Chen[3]
[1]Department of Nursing, Taipei Medical University, Taiwan, [2]Department of Nursing, Taipei Medical University Hospital, Taiwan, [3]Division of Neurosurgery, Chang Gung Memorial Hospital, Taiwan

126 **A Prospective Quantitative Observational Study of Existing Emergency Obstetric Triage Practices at a Tertiary Referral National Hospital in Tanzania**
Mugara Joseph Mahungururo[1, 2], Shigeko Horiuchi[1], Eri Shishido[1]
[1]Women's Health and Midwifery, St Luke's International University, Japan, [2]Midwifery and Reproductive Health, Muhimbili National Hospital, Tanzania

295 **The Impact of Safewards on Restrictive Interventions for Vulnerable People Arriving to the Emergency Department with the Police for Mental Health Assessment**
Catherine Daniel[1], Celene Yap[1], Jonathan Knott[2], Ashleigh Ryan[3], Rebecca Brittliff[3], Marie Gerdtz[1]
[1]Department of Nursing, The University of Melbourne, Australia, [2]Departments of Critical Care and Medical Education, The University of Melbourne, Australia, [3]Peninsula Health, Frankston Emergency Department, Australia

374 **Fatigue Characteristics and Quality Subtypes in Adults with Type 2 Diabetes Mellitus**
Hsuan-ju Kuo
School of Nursing, National Taiwan University, Taiwan

545 **Navigating Tensions When Life-Sustaining Treatment Is Withdrawn: A Thematic Synthesis of Nurses' and Physicians' Experiences**
Hye Ri Choi, Mu-Hsing Ho, Chia-Chin Lin
School of Nursing, The University of Hong Kong, Hong Kong

Oral Presentation Session 12: Advanced Nursing Practice

Date:	7 March 2024 (Thursday)
Time:	15:30 – 16:40
Venue:	Oral Presentation Room B, Lee Shau Kee Lecture Centre, LG/F, Centennial Campus, The University of Hong Kong
Moderator:	Dr. Lubecca Zhao

156 **The Relationship Between Frailty Status, Family Functioning, and Quality of Life in Adolescents with Congenital Heart Disease**

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[1]College of Nursing, National Yang Ming Chiao Tung University, Taiwan, [2]Department of Nursing, National Taiwan University Hospital, Taiwan

316 **Preferred Leadership Style, Quality of Work Life and Job Performance of Utilization Management Nurses in Business Process Outsourcing Companies in Metro Manila**

Aidalyn Dela Cruz
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Renny Wulan Apriliyasari[1, 2], Chia-wen Chou[1], Pei-shan Tsai[1, 3]
[1]School of Nursing, Taipei Medical University, Taiwan, [2]Department of Nursing, Institut Teknologi Kesehatan Cendekia Utama Kudus, Indonesia, [3]Department of Nursing and Center for Nursing and Healthcare Research in Clinical Practice Application, Wanfang Hospital, Taipei Medical University, Taiwan

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Ryotaro Totsuka[1], Michiyo Oka[2], Satsuki Takahashi[2], Mitsuhiro Matsumoto[2]
[1]Nursing Department, Keisenkai Seseragi Hospital, Japan, [2]Graduate School of Health Sciences, Gunma University, Japan

1237 **Effectiveness of Phototherapy for Pressure Injury Patients: A Systematic Review and Meta-Analysis of Randomized Control Trials**

Habibah Muchtar[1, 2], Fauzi Ashra[3], Kee-hsin Chen[1]
[1]College of Nursing, Taipei Medical University, Taiwan, [2]Nursing Committee, Padang Panjang General Hospital, Indonesia, [3]Faculty of Nursing, Prima Nusantara University, Indonesia

Oral Presentation Session 13: Oncology, Palliative and Psychological Care

Date:	7 March 2024 (Thursday)
Time:	15:30 – 16:40
Venue:	Oral Presentation Room C, Lee Shau Kee Lecture Centre, LG/F, Centennial Campus, The University of Hong Kong
Moderator:	Dr. Tongyao Wang

370 **Impact of Relocation Pattern on the Psychological Distress of Disaster Victims in Taiwan**
Lu-yen Chen[1], Chuan-zhong Deng[2], Hsiang-chieh Lee[2], Sue-huei Chen[3]
[1]Institute of Clinical Nursing, National Yang Ming Chiao Tung University, Taiwan, [2]National Science and Technology Center for Disaster Reduction, National Science and Technology Council, Taiwan, [3]Department of Psychology, National Taiwan University, Taiwan

509 **Understanding Nursing Aesthetics in Peaceful End-of-Life Care Through the Lived Experiences of Patients with Advanced-Stage Cancer in China**
Xia Li, Waraporn Kongsuwan
Nursing Faculty, Prince of Songkla University, Thailand

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1343 **Effectiveness of Communication Skill Training on Cancer Patient Outcomes**
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School of Nursing, Chang Gung University, Taiwan

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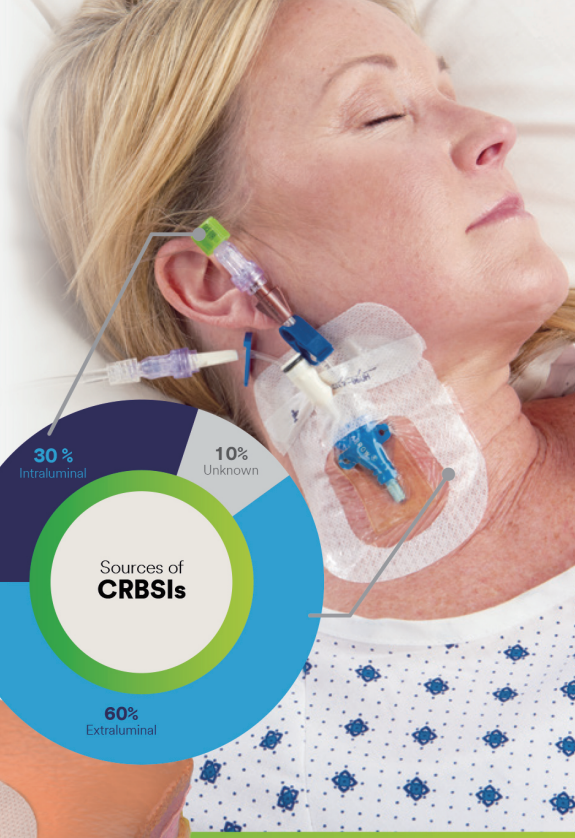

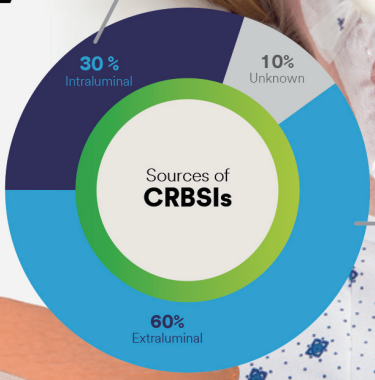

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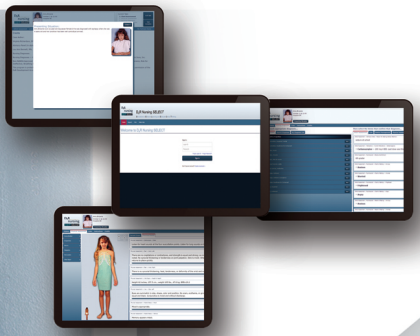

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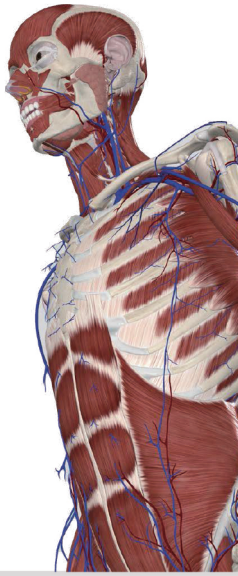

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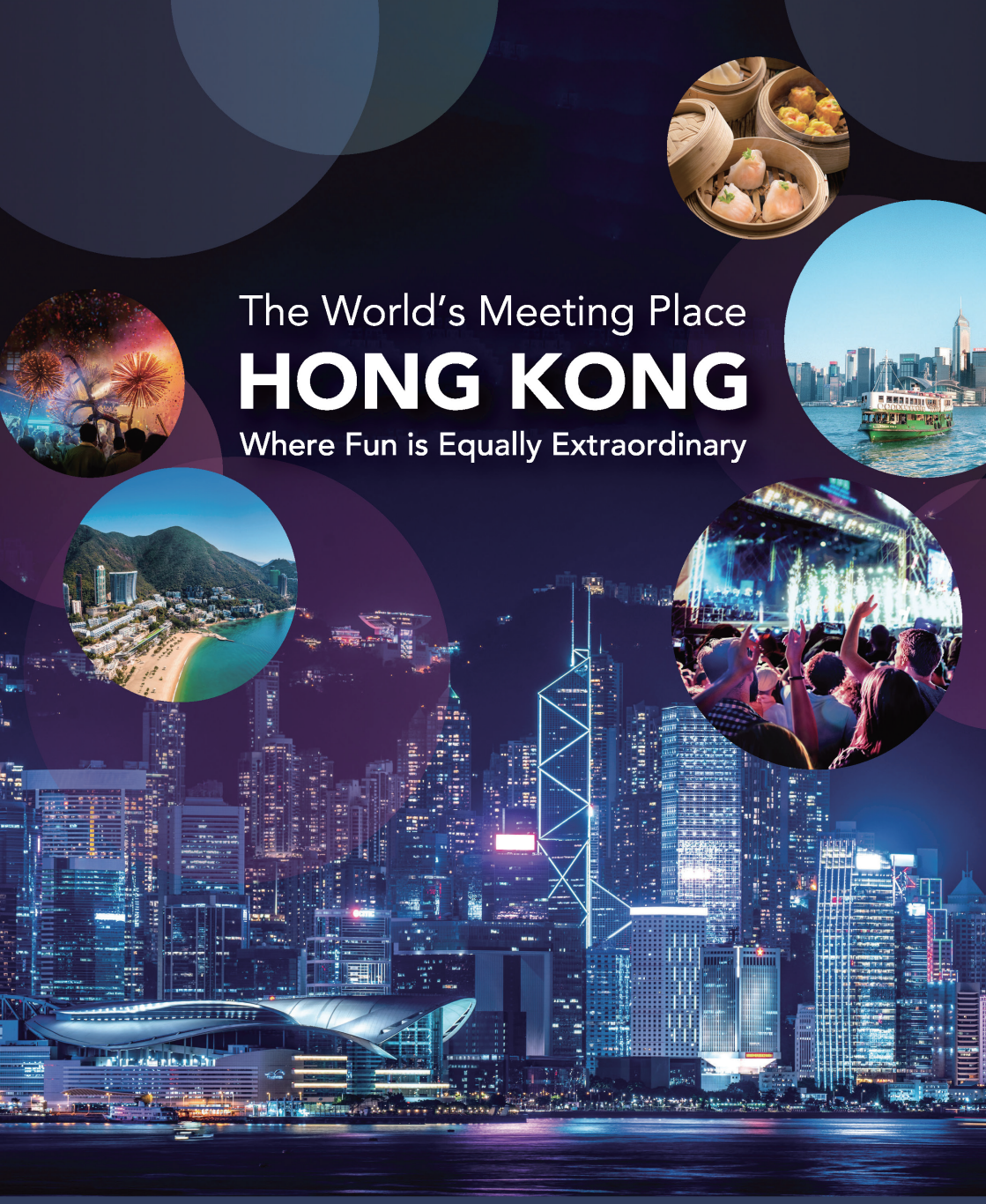

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825	**Continuous Baby Massage Enhances Mother-Infant Attachment - Results of Salivary Oxytocin and Cortisol and Psychological Questionnaire** Aoi Sakurai[1], Yoshiyuki Kasahara[2], Kunihiro Koide[2], Yasuka Nakamura[3], Toyoko Yoshizawa[4] *[1]Graduate School of Medicine Department of Child Health Nursing , Tohoku University, Japan, [2]Graduate School of Medicine Department of Maternal and Fetal Therapeutics, Tohoku University, Japan, [3]Graduate School of Medicine Department of Women's Health & Midwifery, Tohoku University, Japan, [4]School of Health Science Department of Nursing, Kansai University of International Studies, Japan*
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959	**Central Nervous System Hemangioblastoma in Von Hippel–Lindau Disease: a Qualitative Study Spanning Three Generations** Mei Fang Chuang[1, 2], Jing Shan Huang[3], Chii Jeng [1] *[1]School of Nursing, College of Nursing, Taipei Medical University, Taiwan, [2]Department of Nursing, Cathay General Hospital, Taiwan, [3]Division of Neurosurgery, Department of Surgery, Cathay General Hospital, Taiwan*
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998	**Risk Factors of Aspiration and Choking in Patients with Mental Disorders: A Literature Review** Mayuka Fuchita[1], Hitomi Maeda[2], Chiharu Matsumoto[2] *[1] Graduate School of Health Science, Kumamoto University, Japan, [2]2) Department of Nursing, Faculty of Life Sciences, Kumamoto University, Japan*
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1092	**Symptom Experienced by Patients After CPR: A Scoping Review** Hyeonji Kang[1], Jiyoung Choi[2], Jiyeon Lee[2, 3], Jooyeon Seong[1], Zainab Ibrahim[1, 4] *[1]Department of Nursing, Graduate School, Yonsei University, South Korea, [2]College of Nursing, Yonsei University, South Korea, [3]Mo-Im Kim Nursing Research Institute College of Nursing, Yonsei University, South Korea, [4]College of Nursing and Brain Korea 21 FOUR Project, Yonsei University, South Korea*
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