



臺北醫學大學
TAIPEI MEDICAL UNIVERSITY



College of Nursing

2018-2019 Biennial Research Report

2018-2019

Biennial Research Report



College of Nursing

Taipei Medical University

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Message from the Dean



I am excited to present the seventh biennial research report of the College of Nursing (CON), at Taipei Medical University. As Dean of the CON, I am honored and humbled to lead such an accomplished group who are at the forefront of addressing the challenges of 21st century health care. In fact, the World Health Organization (WHO) has declared 2020 to be the International Year of the Nurse and the Midwife. This is significant as it is the first time that WHO has declared a year to highlight a profession. Whether it is the world's newest pandemic or an age-old health problem, nurses will stand ready at the frontline to meet the challenge. Many of our exceptional nursing graduates from the CON have made an impact in their community and health care institutions. This is in part due to our dedicated CON faculty members, who modeled for our students the way to achieve excellence in all areas of nursing service, scholarship and leadership. We are proud of their successes and enthusiastic about the potential for future high-impact research achievements. For the past two years, everyone has continued the high productivity trend and this biennial research report provides a look into the various areas of accomplishments by the CON and our faculty members.

The CON presents the biennial research report to our colleagues, supporters, and collaborators. This seventh biennial research report shows our scholarly contributions accumulated from 2018 to 2019. In its first part, the report expands on the general progress in research and academic representations. The second part presents the research performance of our faculty members and is further divided into research focus, major achievements, publications, and grants sections.

For our friends and supporters, we are continuously improving and bringing innovations to our local and global community. We are still expanding the frontiers of research in our laboratory facilities which include the Biobehavioral Laboratory, the Cognitive Behavior and Health Promotion Laboratory, the Exercise Science in Elderly and Chronic Disease Science Laboratory in the CON. We hosted a series of conferences, lectures, and workshops that provided opportunities for participants to learn new skills and connect with each other in 2018-2019. Our faculty members have been actively engaged in research, and their hard work has led to publications in some of the world's most prestigious journals and publishing houses. The number and size of research grants awarded annually to our innovative CON faculty are still increasing. Studies from our research teams of evidence-based translational research, exercise science and elderly, chronic disease research, and mind-body research have added to the collective scientific knowledge base in these areas. The CON has now expanded its vision globally and we are committed to sharing our research expertise nationally as well as internationally.

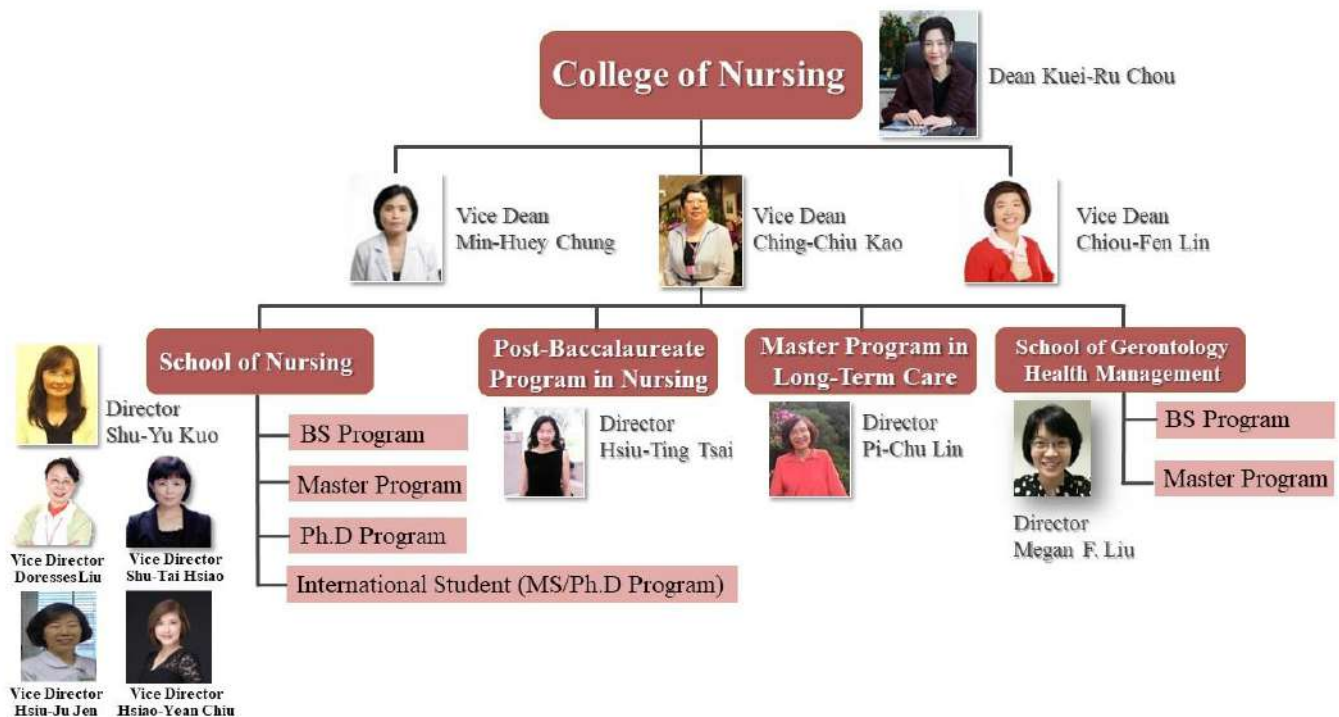
As Taipei Medical University celebrates the 60th year anniversary of its establishment, we are reminded to be grateful for all the abundant clinical resources from TMU's five affiliated hospitals that provides an exceptional research environment for its faculty and students to demonstrate and focus on collaboration for greater research achievements. With all of our impressive accomplishments, it is no surprise that when Shanghai Jiao Tong University recently announced the 2018 Academic Ranking of World Universities (ARWU), our College of Nursing at Taipei Medical University, ranked No. 39 globally in the field of Nursing. According to the 2019 QS World University Rankings, Nursing subject ranking, Taipei Medical University's CON ranked No. 73 in the world. This honor belongs to the entire faculty and students of the College of Nursing and the Nursing Department staff at our affiliated hospitals. The unity and synergy of the group allow teaching innovation, practice advancement, research quantity and quality of CON at TMU to increase continuously. However, challenges remain with the growth and improvement of our profession and excellence in health care. Our passionate faculty and brilliant students of the Taipei Medical University College of Nursing will continuously strive to become the best in the nation, to lead Asia, and in the world.

Yours truly,

A handwritten signature in black ink, reading "Kuei-Ru Chou". The signature is written in a cursive, flowing style.

Kuei-Ru Chou, RN, PhD, Professor
Dean of College of Nursing, Taipei Medical University
TEL: 886-2-27361661 ext. 6300.6324
No.250, Wu-Hsing Street, Taipei 110, Taiwan, R.O.C
E-mail: kueiru@tmu.edu.tw

Organizational Chart



**ACADEMIC RANKING OF
WORD UNIVERSITY 2018**

**College of Nursing Ranked
No. 39 Globally**

Research Achievements

Our college is a family of clinicians, scholars, and researchers. Our faculty has a perspective view of health care, conducting studies in various areas to advance our understanding of nursing care and patient outcomes, to facilitate interdisciplinary collaboration, and to nourish our future nurses. With the opportunities and challenges nursing profession faces, our greatest responsibility is to contribute and develop the current knowledge base.

This seventh biennial research report for the College of Nursing (CON) demonstrates the quality and reputation of our faculty which has strengthened one of the CON's core missions: advancing health-related research. The CON has experienced exciting and productive biennial years. Our faculty has continuously worked in many established areas, while engaging in new areas as well.

A number of articles were published in the journals of Science Citation Index (SCI) and Social Science Citation Index (SSCI) from 2015 to 2019 (Figure 1).

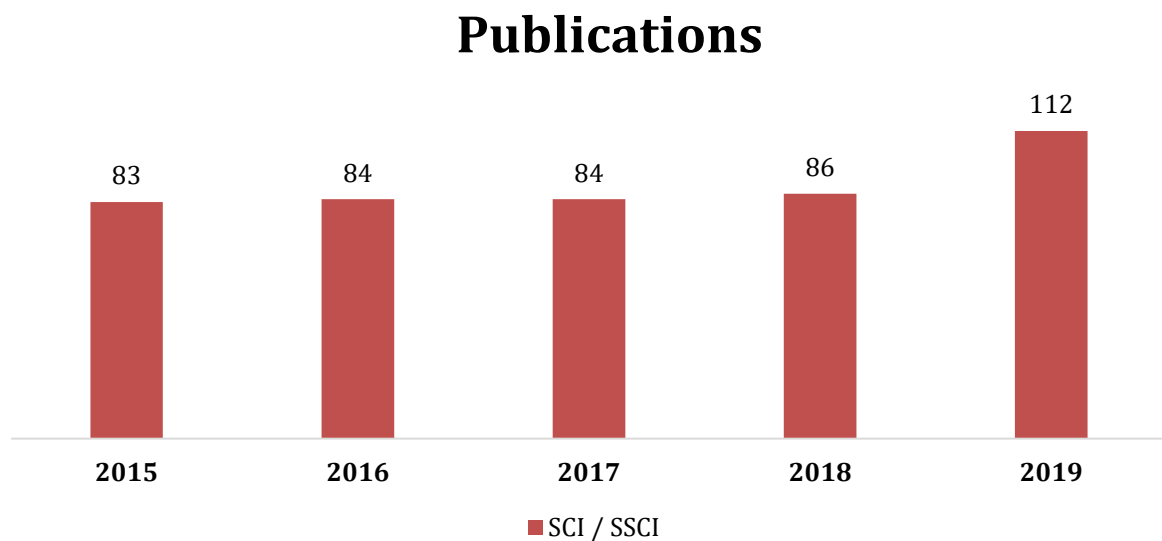


Figure 1: The number of articles published from 2015 to 2019.

The topics of these research projects bring together cross-disciplinary expertise from health-related professionals. The presentations of the content in this biennial research report show diverse research topics and the growing performance of research conducted by the faculty members of the CON. It is our pleasure to report the accomplishments of our faculty in advancing our knowledge and improving our practice and patient care outcomes in the past few years.

Additionally, our faculty members have received grants from the Ministry of Science and Technology (MOST), Ministry of Health and Welfare, National Health Research Institutes, Hospital Association, and others. The numbers of grants received from the MOST and other institutions are shown in Figure 2.

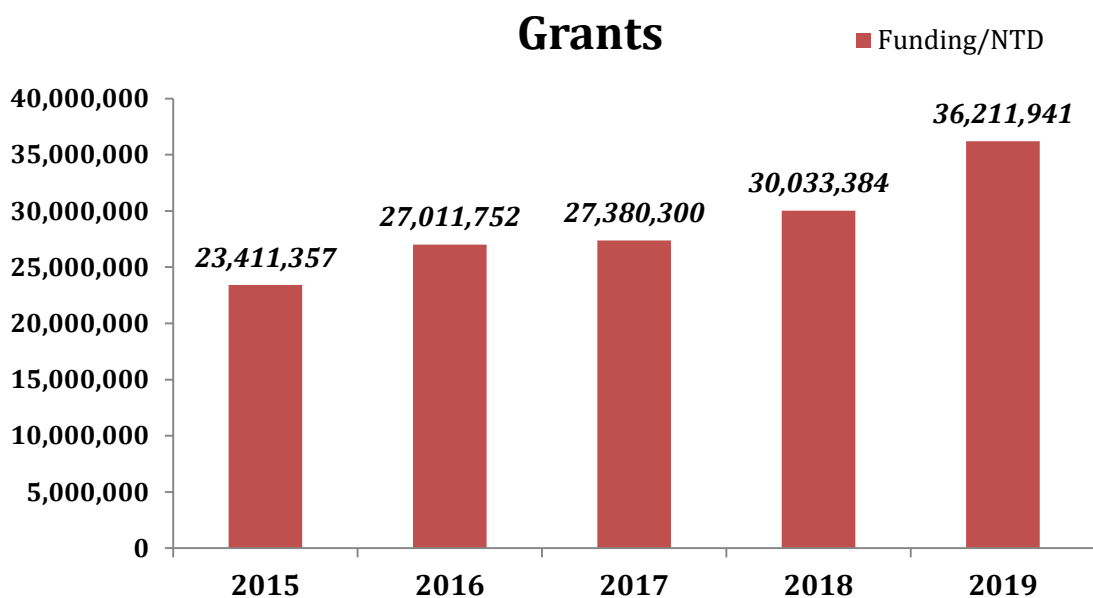


Figure 2: The funding of Grants received from the Ministry of Science and Technology (MOST) and other institutions in recent years.





**WORLD UNIVERSITY
RANKINGS 2019**

**Ranked No.73 Globally
in Nursing Subject**

Academic Activities

- *Annual International Conference p6*
- *Research Support Activity p7-18*

Annual International Conference

As a big family at CON, we support our faculty's professional and academic growth. Each year, we invite internationally renowned scholars and experts to be keynote speakers at our annual international conference. This provides an opportunity for our nursing faculty, students, nurses and clinicians to learn from the experiences of outstanding scholars, provides a chance to exchange ideas.

Preparing and hosting an international conference is a complicated process, but CON takes the responsibility to lead nursing development in Taiwan, share our research findings, and facilitate our collaboration with international colleagues. From 2018 to 2019, we have had four international conferences which are listed below.

<i>Date</i>	<i>Conference Topics</i>
2018/04/26 2018/04/27	International Conference: Problem-Oriented Evidence Care and Research Forum on Patients with Dementia
2018/12/21	Global Forum: Health Policy and Social Media Engagement
2019/05/01	Psychiatric Nursing International Conference: Disaster and Crisis Management
2019/09/17	2019 Asia-Pacific Association for Medical Informatics and Taipei Medical University College of Nursing Joint International Conference: Application of Big Data and Artificial Intelligence in Nursing and Health Care



[An International Conference in 2019](#)

Research Support Activity

At CON, we encourage our faculty to share their study findings. We have a research support group which is led by our Associate Dean, Dr. Min-Huey Chung. The main purpose of the research support group is to facilitate our colleagues' scientific writing skills. Members of the faculty and our graduate students are welcome to participate discussion and share their ideas and manuscripts. The participants meet regularly to brainstorm ideas and learn together.

<i>Date</i>	<i>Research Topics</i>
2018/10/18	MOST Add-On Grant for International Cooperation: Guidelines for Applying for MAGIC Grant
2018/10/26	The Workshop on Database Management of Taiwan Longitudinal Study on Aging
2018/12/06	MOST Proposal Share
2019/04/11	MOST and Integrated Proposal Writing Skills



The Workshop on Database Management System of Taiwan Longitudinal Study on Aging

<i>Date</i>	<i>Research Topics</i>	<i>Speaker</i>
2018/01/12	Innovation Development and Patent Application	Associate professor, Tsai-Wei Huang, School of Nursing, Taipei Medical University
2018/03/22	Scientific Injury in Nursing Research	Professor, Pei-Shan Tsai, School of Nursing, Taipei Medical University
2018/04/12	Writing Skills in Project Proposal for International Research Cooperation	Assistant professor, Syed Abdul Shabbir, Graduate Institute of Biomedical Informatics, Taipei Medical University
2018/05/10	NHRI Proposal Writing Skills	Professor, Siew-Tzuh Tang, School of Nursing, Chang Gung University
2018/06/07	MOST Proposal Writing Skills	Assistant professor, Nae-Fang Miao, Post-Baccalaureate Program in Nursing, Taipei Medical University
2018/09/27	The Taiwan Longitudinal Study on Aging	Associate professor, Mei-Ju Chi, School of Gerontology Health Management, Taipei Medical University
2018/10/11	National Policy for NCDs Prevention of Taiwan	Vice Director, Jun-Chiu Chen, Health Promotion Administration, Ministry of Health and Welfare
2018/10/18	MOST Add-On Grant for International Cooperation: Guidelines for Applying for MAGIC Grant	Research fellow, Hui-Ying Li, Department of International Cooperation and Science Education, Ministry of Science and Technology
2018/10/26	The Workshop on Database Management of Taiwan Longitudinal Study on Aging (I)	Associate professor, Mei-Ju Chi, School of Gerontology Health Management, Taipei Medical University
2018/11/09	Industry-Academia Cooperation Share (I)	Senior Research Engineer, Chung-Fu Yen, New Energy Center, National Taiwan University
2018/12/06	MOST Proposal Share (I)	Associate professor, Su-Ru Chen, Post-Baccalaureate Program in Nursing, Taipei Medical University

2019/01/10	The Workshop on Database Management of Taiwan Longitudinal Study on Aging (II)	Associate professor, Mei-Ju Chi, School of Gerontology Health Management, Taipei Medical University
2019/03/08	The Workshop on Database Management of Taiwan Longitudinal Study on Aging (III)	Associate professor, Mei-Ju Chi, School of Gerontology Health Management, Taipei Medical University
2019/04/11	MOST and Integrated Proposal Writing Skills	Professor, Yuan-Soon Ho, School of Medical Laboratory Science and Biotechnology, Taipei Medical University
2019/04/25	The Workshop on Database Management of Taiwan Longitudinal Study on Aging (IV)	Associate professor, Mei-Ju Chi, School of Gerontology Health Management, Taipei Medical University
2019/07/19	The Workshop on Database Management of Taiwan Longitudinal Study on Aging (V)	Associate professor, Mei-Ju Chi, School of Gerontology Health Management, Taipei Medical University
2019/09/05	Introduction and Application of Academic Hub and Pure Experts Network	Librarian, Yu-Ying Lee, Division of Knowledge Services, Taipei Medical University
2019/09/06	MOST Proposal Share (II)	Assistant professor, Li-Chung Pien, Post-Baccalaureate Program in Nursing, Taipei Medical University
2019/09/12	The Era of Artificial Intelligence: The Role of Clinical Staff	Associate professor, Jiunn-Horng Kang, TMU Research Center of Artificial Intelligence in Medicine and Health(TAIMH), Taipei Medical University
2019/10/03	The Workshop on Database Management of Taiwan Longitudinal Study on Aging (VI)	Associate professor, Mei-Ju Chi, School of Gerontology Health Management, Taipei Medical University
2019/10/18	The Future Trends and Application of Meta-analysis in Nursing Research	Associate professor, Hsiao-Yean Chiu, School of Nursing, Taipei Medical University

2019/10/25	MOST Proposal Share (III)	Assistant professor, Chia-Hui Wang, School of Nursing, Taipei Medical University
2019/10/31	The Workshop on Database Management of Taiwan Longitudinal Study on Aging (VII)	Associate professor, Mei-Ju Chi, School of Gerontology Health Management, Taipei Medical University
2019/11/07	Industry-Academia Cooperation Share (II)	Professor, Min-Huey Chung, School of Nursing, Taipei Medical University
2019/11/12	Health Care and SDGs	Professor, Harry Minas, Head, Global and Cultural Mental Health Unit, Centre for Mental Health, The University of Melbourne
2019/11/22	RoB 2.0: A Revised Tool to Assess Risk of Bias in Randomized Trials	Professor, Edwin Chan Shih Yen, Duke-NUS Medical School Singapore
2019/11/28	The Role of the Nurse Educator in Acute Care Hospitals	MSN, RN, Holly Shui, Houston Methodist Hospital
2019/11/29	The Workshop on Database Management of Taiwan Longitudinal Study on Aging (VIII)	Associate professor, Mei-Ju Chi, School of Gerontology Health Management, Taipei Medical University
2019/12/19	Internet of Medical Wearable Things: Unmet Needs, Challenges, and Impacts	Assistant professor, Ming-Chun Huang, Electrical Engineering and Computer Science, Case Western Reserve University
2019/12/20	MOST Proposal Share (IV)	Assistant professor, Li-Fong Lin, School of Gerontology Health Management, Taipei Medical University



2018.01.12

Taipei Medical University

Innovation Development and Patent Application

2018.03.22

Taipei Medical University

Scientific Injury in Nursing Research



2018.04.12

Taipei Medical University

Writing Skills in Project Proposal for
International Research Cooperation

2018.05.10

Taipei Medical University

NHRI Proposal Writing Skill





2018.06.07
Taipei Medical University
 MOST Proposal Writing Skills



2018.09.27
Taipei Medical University
 The Taiwan Longitudinal Study on Aging



2018.10.11
Taipei Medical University
 National Policy for NCDs Prevention
 of Taiwan

2018.10.18
Taipei Medical University
 MOST Add-On Grant for International
 Cooperation: Guidelines for Applying
 for MAGIC Grant





2018.10.26

Taipei Medical University

The Workshop on Database Management of
Taiwan Longitudinal Study on Aging (I)

2018.11.09

Taipei Medical University

Industry-Academia Cooperation Share (I)



2018.12.06

Taipei Medical University

MOST Proposal Share (I)

2019.01.10

Taipei Medical University

The Workshop on Database Management of
Taiwan Longitudinal Study on Aging (II)





2019.03.08

Taipei Medical University

The Workshop on Database Management of
Taiwan Longitudinal Study on Aging (III)

2019.04.11

Taipei Medical University

MOST and Integrated Proposal Writing Skills



2019.04.25

Taipei Medical University

The Workshop on Database Management of
Taiwan Longitudinal Study on Aging (IV)



2019.07.19

Taipei Medical University

The Workshop on Database Management of
Taiwan Longitudinal Study on Aging (V)





2019.09.05

Taipei Medical University

Introduction and Application of Academic Hub
and Pure Experts Network

2019.09.06

Taipei Medical University

MOST Proposal Share (II)



2019.09.12

Taipei Medical University

The Era of Artificial Intelligence: The Role of
Clinical Staff

2019.10.03

Taipei Medical University

The Workshop on Database Management
of Taiwan Longitudinal Study on Aging(VI)





2019.10.18

Taipei Medical University

The Future Trends and Application of Meta-analysis in Nursing Research

2019.10.25

Taipei Medical University

MOST Proposal Share (III)



2019.10.31

Taipei Medical University

The Workshop on Database Management of Taiwan Longitudinal Study on Aging (VII)



2019.11.07

Taipei Medical University

Industry-Academia Cooperation Share (II)





2019.11.12
Taipei Medical University
 Health Care and SDGs

2019.11.22
Taipei Medical University
 RoB 2.0: A Revised Tool to Assess Risk of Bias
 in Randomized Trials



2019.11.28
Taipei Medical University
 The Role of the Nurse Educator in
 Acute Care Hospitals

2019.11.29
Taipei Medical University
 The Workshop on Database Management
 of Taiwan Longitudinal Study on Aging (VIII)



2019.12.19

Taipei Medical University

**Internet of Medical Wearable Things:
Unmet Needs, Challenges, and Impacts**



2019.12.20

Taipei Medical University

MOST Proposal Share (IV)



Laboratories and Research Teams

- *Mind-Body Research Team p20-22*
- *Evidence-based Translational Research Team p23-26*
- *Evidence in Elderly and Chronic Disease Research Team p27-29*

Mind-Body Research Team

The Mind-Body Research Team focuses on the connection between thoughts, behaviors, emotions, environmental influences and biology. We seek to address the questions that are centered on the connection between mind and body.

These include:

- 1) The influence of psychological stress on physical and mental health.**
- 2) The risk or protective factors for stress-related illnesses.**
- 3) The beneficial effects of mind-body interventions on health outcomes and quality of life.**
- 4) The potential mechanisms and pathways underlying the efficacy of mind-body interventions.**

Neurobiology and the immune system as key pathways linking mind and body are of potential interests. Team members included Pei-Shan Tsai, Chia-Chi Chang, Hsiu-Ju Chang, Hsiao-Yean Chiu, Kee-Hsin Chen, Shu-Yu Kuo, Hui-Chuan Huang, Chueh-Ho Lin, and Fang Liu.

Dr. Pei-Shan Tsai, the head of the laboratory, focuses her research on the link between stress-response systems and chronic illnesses and outcomes of nursing care of patients with stress-related illnesses. Dr. Chia-Chi Chang has special expertise in dementia care, especially problems of feeding and nutrition. Dr. Hsiu-Ju Chang has specialized in research on determining the psychopathological predictors and the effectiveness of body-mind-spirit viewpoints on improving well-being among patients with psychiatric disorders. Dr. Hsiao-Yean Chiu's research activities currently focus on the management of sleep disturbances and cognitive impairments in a variety of clinical and community settings. Dr. Kee-Hsin Chen focuses on knowledge translational research for promoting the multidisciplinary evidence-based practice, particularly women health. Dr. Hui-Chuan Huang's interests are in mental health and health promotion in patients with chronic diseases. Dr. Chueh-Ho Lin focuses his research on brain-behavior relationships during a specific task. Dr. Fang Liu's research activities focus on the effectiveness of case management on chronic illness, cancer, and dementia.



Biobehavioral Laboratory

The primary theme of the biobehavioral laboratory is using biobehavioral methods to improve health outcomes, in areas such as health promotion, disease assessment and prevention, management of critical and chronic illness, and quality of life. We conduct randomized controlled trials which incorporate biobehavioral measures to the impact of biologic and behavioral factors on health outcomes and the efficacy of integrated biobehavioral interventions and to unveil the biological bases and predictors of responses to behavioral interventions. Systematic reviews and meta-analyses are conducted to evaluate the effects of nonpharmacological interventions on health outcomes. Research thus far has mainly focused on patient populations who suffer from chronic medical conditions and frequently develop comorbid depression and sleep disturbances. Analysis of data from national surveys is done to determine the role of health behaviors on health outcomes. In addition, the team also analyzes data from the National Health Insurance Research Database to determine the impact of healthcare practices and interventions on long-term health outcomes. The team welcomes multidisciplinary approaches to study the connection between mind and body.

Team Members

<i>Name</i>	<i>Position</i>	<i>Research Specialty</i>
<i>Tsai, Pei-Shan</i>	Professor & Leader	Stress-Response Systems, Chronic Illnesses, Physiological and Behavioral Measures
<i>Chang, Chia-Chi</i>	Professor	Gerontology, Dementia Care, Nutrition, Long Term Care
<i>Chang, Hsiu-Ju</i>	Professor	Psychiatric Mental Health, Depression and Suicide, Cognitive Behavior Therapy, Research Instrument Development
<i>Chiu, Hsiao-Yean</i>	Associate Professor	Neurofeedback Therapy, Sleep Disturbances, Cognitive Impairments, and Meta-Analysis
<i>Huang, Hui-Chuan</i>	Associate Professor	Health Promotion, Mental Health, and Self-Management
<i>Kuo, Shu-Yu</i>	Associate Professor	Obstetric Nursing, Epidemiology, Women's Health, Mental Health, Simulation Education
<i>Liu, Fang</i>	Associate Professor	Case Management, Dementia, End-Of-Life and Long-Term Care
<i>Chen, Kee-Hsin</i>	Assistant Professor	Evidence-Based Healthcare, Clinical Practice Guideline, Systematic Review/ Meta-Analysis, Postpartum Depression, High Risk Infant Nursing
<i>Lin, Chueh-Ho</i>	Assistant Professor	Clinical Evaluation and Design of Assistive Technology, Rehabilitation Medicine, Analysis in Motor Control, Geriatric Medicine, Assessment and Promotion of Senior Physical Fitness, Sports Medicine, Physiological Signal Acquisition and Analysis

Evidence-based Translational Research Team

In the years 2018-2019, the Evidence-based Translational Research Team (EBTRT) explored the following issues:

- 1) Evidence-based Nursing;**
- 2) Systematic reviews and meta-analyses;**
- 3) Health insurance data and secondary data analysis.**

The team proposes research questions from the clinical data and search for empirical key findings and its implications for clinical practice. After reviewing the evidence, these results are integrated and applied to practical treatment decisions in clinical trials to determine the effect of interventions. The team also conduct research based on National Health Insurance Research Database or other secondary data to evaluate the long-term outcome of health service.



Cognitive Behavior and Health Promotion Laboratory

Team members included Kuei-Ru Chou, Min-Huey Chung, Pi-Hsia Lee, Chiou-Fen Lin, Hsiu-Ting Tsai, Wen-Hsuan Hou, Pi-Chen Chang, Su-Ru Chen, Mei-Ju Chi, Tsai-Wei Huang, Shu-Yu Kuo, I-Hui Chen, Shu-Fen Kuo, Chueh-Ho Lin, Ing-Jy Tseng, Huei-Ling Chiu, Chia-Hui Wang and Li-Chung Pien. Research grants in the EBTRT were supported by the National Science Council, Department of Health, Taiwan Nurses Association, Taipei Medical University Hospital, Wan-Fang Hospital, and Public Health Bureau, Taipei County. The publications list shows the output of the EBTRT from 2018-2019. Each team member is specialized in different field of medical research.

The head of the laboratory, Professor Kuei-Ru Chou, has rich experience in research on mental health and counseling, especially on gerontological nursing. Professor Chiou-Fen Lin has specialized in nursing administration and gerontological nursing. Professor Min-Huey Chung has specialized in research on psychiatry mental health, especially on sleep disorders. Professor Hsiu-Ting Tsai has specialized in research on prevention and nursing care of cancer disorder and nursing molecular epidemiology. Professor Pi-Hsia Lee has specialized in research on health behaviors and community of health nursing. Associate professor Shu-Yu Kuo and Assistant professor Associate professor I-Hui Chen has specialized in community health care and long-term care. Associate professor Mei-Ju Chi has specialized in health policy and research on the medical use, especially the elderly. Associate professor Su-Ru Chen, Associate professor Pi-Chen Chang, and Assistant professor Shu-Fen Kuo specialize in pediatric nursing. Professor Wen-Hsuan Hou has specialized in research on stroke rehabilitation and disability assessment, especially for older people. Assistant professor Ing-Jy Tseng has specialized in neurology nursing and geriatric nursing. Assistant professor Chueh-Ho Lin has specialized in rehabilitation medicine and assistive technology design, especially on geriatrics and gerontology. Associate professor Tsai-Wei Huang has specialized in research in oncology nursing, hospice care, and evidence-based health care. More details of their related publications and grants are listed below.



Instruments in Cognitive Behavior and Health Promotion Laboratory

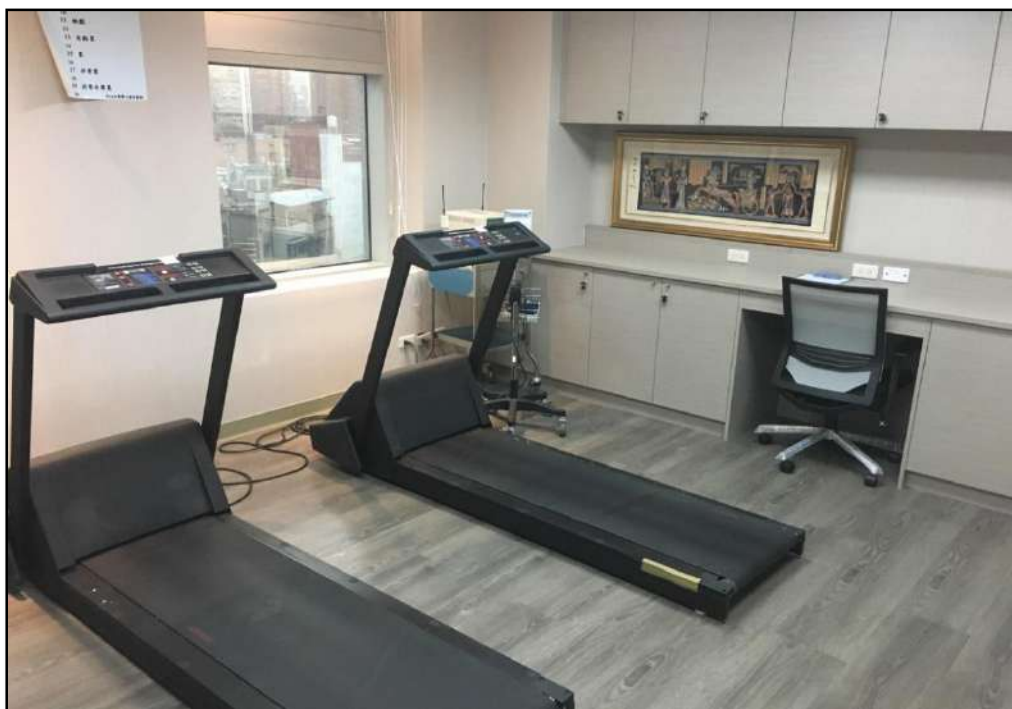
<i>Team Members</i>		
<i>Name</i>	<i>Position</i>	<i>Research Specialty</i>
<i>Chou, Kuei-Ru</i>	Professor & Leader	Cognitive Training, Cognitive Therapy, Meta-Analysis
<i>Chung, Min-Huey</i>	Professor	Psychiatry Mental Health, Sleep
<i>Hou, Wen-Hsuan</i>	Professor	Disability Assessment, Evidence-Based Healthcare & Shared Decision-Making, Gerontological Care, Stroke and Cancer Rehabilitation
<i>Lee, Pi-Hsia</i>	Professor	School Health Nursing, Community of Health Nursing, Health Behaviors
<i>Lin, Chiou-Fen</i>	Professor	Nursing Administration, Human Resources, Management, Nursing Ethics
<i>Tsai, Hsiu-Ting</i>	Professor	Prevention and Nursing Care of Cancer, Disorder, Nursing Molecular Epidemiology, Physiology
<i>Chang, Pi-Chen</i>	Associate Professor	Pediatric Nursing, Health Promotion for Adolescent
<i>Chen, Su-Ru</i>	Associate Professor	Pediatric Nursing, Exercise Training in Obese Children, Heart Rate Variability Analysis, Internet Addiction Research, Type 1 Diabetes Care Research
<i>Chen, I-Hui</i>	Associate Professor	Long-term care, Community Health Nursing, Gerontology and Geriatrics, Quantitative Research
<i>Chi, Mei-Ju</i>	Associate Professor	Health Policy, Medical Utilization among Elderly, Long-Term Care, Survey Research, Quantitative Research, Need Assessment of Elderly Health

Team Members

<i>Name</i>	<i>Position</i>	<i>Research Specialty</i>
<i>Huang, Tsai-Wei</i>	Associate Professor	Hospice Care, Oncology Nursing, Evidence Based Health Care, Innovative Invention
<i>Kuo, Shu-Yu</i>	Associate Professor	Obstetric Nursing, Epidemiology, Women's Health, Mental Health, Simulation Education
<i>Chiu, Huei-Ling</i>	Assistant Professor	Dementia, Long-term Care, Geriatric Nursing
<i>Kuo, Shu-Fen</i>	Assistant Professor	Immigrant Women, Maternal and Children Preventive Care, Human Development, Pediatric Nursing
<i>Lin, Chueh-Ho</i>	Assistant Professor	Clinical Evaluation and Design of Assistive Technology, Rehabilitation Medicine, Analysis in Motor Control, Geriatric Medicine, Assessment and Promotion of Senior Physical Fitness, Sports Medicine, Physiological Signal Acquisition and Analysis
<i>Tseng, Ing-jy</i>	Assistant Professor	Cognition and Gait, Comprehensive Geriatric Assessment Care, Care for The Elderly People with Chronic Disease, Neurology Nursing, Geriatric Nursing
<i>Pien, Li-Chung</i>	Assistant Professor	Mental Health Care, Mental Health, Psychosocial Factors and Health at Workplace
<i>Wang, Chia-Hui</i>	Assistant Professor	Medical Surgical Nursing, Critical Care of Burn Patients, Meta-Analysis

Exercise in Elderly and Chronic Disease Research Team

With the increase of elderly population in Taiwan, healthy aging and active aging have become an important issue in recent years. Studies indicate that regular exercise can improve the quality of life and alleviate health problems and disability caused by aging. In addition, an increasing number of prospective epidemiological studies support the notion that both a physically active lifestyle and moderate to high levels of cardiorespiratory fitness independently lower the risk for various chronic diseases. Numerous studies have quantified many health and fitness benefits associated with exercise.



[Exercise Science in Elderly and Chronic Disease Science Laboratory](#)

The major focus of our studies is on the health and fitness benefits of regular physical activity and exercise. The intent of our research team is:

- 1) To increase both professional and public awareness of the health benefits associated with daily physical activity**
- 2) To draw attention to the amounts and intensities of physical activity or exercise necessary to achieve the training effect among the different population, particularly with various chronic diseases and elderly populations**
- 3) Developing novel assistive devices with multiple sensors to investigate age-related changes and intervention effects on muscle strength, coordination, motor control and gait performances for elderly adults with or without diseases.**

Results of our studies may help health providers recommend appropriate exercise programs for patients with specific chronic diseases and seniors.

<i>Team Members</i>		
<i>Name</i>	<i>Position</i>	<i>Research Specialty</i>
<i>Lin, Chueh-Ho</i>	Assistant Professor & Leader	Rehabilitation Medicine, Geriatric Medicine, Sports Medicine, Barrier Free Environment Design, Geriatric Health Promotion, Distance Rehabilitation Device Design, Clinical Research, Biomedical Engineering, Signal Acquisition and Analysis
<i>Jeng, Chii</i>	Professor	Chronic Disease & Exercise, Nursing Diagnosis, Cardiovascular Nursing, Cardiac Rehabilitation
<i>Lin, Chiou-Fen</i>	Professor	Nursing Administration, Human Resources, Management, Nursing Ethics
<i>Lin, Pi-Chu</i>	Professor	Orthopedic Nursing, Pain Management, Geriatric Care, Long-term Care
<i>Chuang, Yeu-Hui</i>	Associate Professor	Aged Care, Nursing Education, Qualitative or Quantitative Research
<i>Huang, Tsai-Wei</i>	Associate Professor	Palliative Care, Oncology Nursing, Evidence-Based Healthcare, Innovation
<i>Miao, Nae-Fang</i>	Associate Professor	Health Education, Health Promotion, Community Health Nursing, Substance Abuse in Adolescents, School Health

Team Members

<i>Name</i>	<i>Position</i>	<i>Research Specialty</i>
<i>Chang, Wen-Pei</i>	Assistant Professor	Oncology Nursing, Palliative Care, Medical-Surgical Nursing, Nursing Administration
<i>Chin, Wei-Shan</i>	Assistant Professor	Occupational Health Nursing, Occupational Injuries, Occupational Mental Health, Environmental Health, Environmental Epidemiology
<i>Lee, Shu-Chun</i>	Assistant Professor	Restorative Care and Rehabilitation, Perturbation of Gait and Balance Analysis, Sarcopenia
<i>Lin, Yu-Hue</i>	Assistant Professor	Pulmonary Rehabilitation, Big Data Analysis, Qualitative Research, Chronic Disease Nursing
<i>Tseng, Ing-Jy</i>	Assistant Professor	Neurology Nursing, Gait and Cognition, Geriatric Health Care, Interdisciplinary Teaching
<i>Wang, Chia-Hui</i>	Assistant Professor	Medical Surgical Nursing, Critical Care of Burn Patients, Meta-Analysis
<i>Yen, Hsin-Yen</i>	Assistant Professor	Epidemiology of Physical Activity, Sports and Chronic Diseases, Leisure Sports for the Elderly, Health Tourism, Data Mining



Faculty Publications & Grants I

**Indicate corresponding author*



**Prof.
Chou, Kuei-Ru**

Dean of College of Nursing
Fellows of the American Academy of Nursing, FAAN
Head of Evidence-based Translational Research Team

Dr. Chou's research has focused on mental health and gerontology nursing. Overall, her research publications have had a tremendous impact in reducing disability progression and improving the cognitive functions of patients and elderly population. It has also promoted cognitive behavioral therapy of caregivers and patients in the society. The big data serves as an important tool for researchers and society to use. She spends countless hours reviewing current literature to ensure that these research results and practice projects are based on the best available evidence. From 1996 to 2019, these research achievements have been published in over 150 articles in the most prestigious and impactful SCI/SSCI or international journals

Research Focus

- ☐ Cognitive training
- ☐ Cognitive behavior therapy
- ☐ Long-term care
- ☐ Dementia care
- ☐ Meta-analysis

Major Achievements

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. 2019 present, Fellows of the American Academy of Nursing, FAAN 2. 2019 present, President of Psychiatric Mental Health Nurses' Association Republic of China, Taipei, Taiwan, R.O.C 3. 2018 present, Executive Director, Taiwan Nurses Association (TWNA), R.O.C 4. 2018 present, Four-Year Term Member of Leadership Succession Committee, Sigma Theta Tau International Honor Society of Nursing (STTI) 5. 2018 International Nurse Researcher Hall of Fame, Sigma Theta Tau International Honor Society of Nursing (STTI) | <ol style="list-style-type: none"> 6. 2018 TMU Research Outstanding Award, Taipei Medical University, Taipei, Taiwan, R.O.C 7. 2017 Education Award, Psychiatric Mental Health Nurses' Association Republic of China, Taipei, Taiwan, R.O.C 8. 2017 Outstanding Professional Nurse Award, Taiwan Union of Nurses Association (TUNA), R.O.C. 9. 2016 present Chair of Research Committee, Asian Oncology Nursing Society (AONS) 10. 2013 Teaching Excellence Award, Taipei Medical University, R.O.C |
|---|--|

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Publications

Yunitri, N., Kao, C. C., Chu, H., Voss, J., Chiu, H. L., Liu, D., Shen, S. T. H., Chang, P. C., Kang, X. L., **Chou, K. R.*** (2020) The Effectiveness of Eye Movement Desensitization and Reprocessing Toward Anxiety Disorder: A Meta-Analysis of Randomized Controlled Trials. *Journal of Psychiatric Research*. 123: 102-113.

Yang, H. L., Chu, H., Miao, N. F., Chang, P. C., Tseng, P., Chen, R., Chiu, H. L., Banda, K. J., **Chou, K. R.*** (2020). The Construction and Evaluation of Executive Attention Training to Improve Selective Attention, Focused Attention, and Divided Attention for Older Adults with Mild Cognitive Impairment: A Randomized Controlled Trial. *The American Journal of Geriatric Psychiatry*, Epub.

Tsai, J. C., **Chou, K. R.**, Tsai, H.T., Yen, Y. C., Niu, S. F. (2019). Effects of Nocturnal Sleep Quality on Diurnal Cortisol Profiles and Attention in Nurses: A Cross-Sectional Study. *Biological Research for Nursing*, 21(5):510-518.

Hsieh, F. C., Miao, N. F., Tseng, I. J., Chiu, H. L., Kao, C. C., Liu, D., Chen, R., Tsai, H. F., **Chou, K. R.*** (2019). Effect of Home-Based Music Intervention versus Ambient Music on Breast Cancer Survivors in the Community: A Feasibility Study in Taiwan. *European Journal of Cancer Care*, 28(4): e13064-e13064.

Yang, H. L., Chu, H., Kao, C. C., Chiu, H. L., Tseng, I. J., Tseng, P., **Chou, K. R.*** (2019). Development and effectiveness of virtual interactive working memory training for older people with mild cognitive impairment: A single-blind randomized controlled trial. *Age and Ageing*, 48 (4):519-525.

Chen, S. H., Lai, H. R., Chen, S. R., Lin, P. C., **Chou, K. R.**, Lee, P. H., (2019). Validity and Reliability of a Chinese-Language Instrument for Continuous Assessment of Exercise Stages of Change in Adults. *Journal of Nursing Research*, 27 (4):e37.

- Chen, R., Liou, T. H., Miao, N. F., Chang, K. H., Yen, C. F., Liao, H. F., Chi, W. C., **Chou, K. R.*** (2019). Using World Health Organization Disability Assessment Schedule 2.0 in People with Schizophrenia: A 4-Year Follow-Up. *European Archives of Psychiatry and Clinical Neuroscience*.
- Niu, S. F., Kuo, S. F., Tsai H. T., Kao C. C., Traynor V., **Chou, K. R.*** (2019). Prevalence of workplace violent episodes experienced by nurses in acute psychiatric settings. *PLOS One*, (14):e0211183.
- Chan, P. T., Chang, W. C., Chiu, H. L., Kao, C. C., Liu, D., Chu, H., **Chou, K. R.*** (2019). Effect of interactive cognitive-motor training on eye-hand coordination and cognitive function in older adults. *BMC Geriatrics*, (19):27.
- Chen, I. H., Yeh, T. P., Yeh, Y. C., Chi, M. J., Chen, M. W., **Chou, K. R.**, Lien, Y. Y, Yuan, C. F. (2019). Effects of Acupressure on Sleep Quality and Psychological Distress in Nursing Home Residents: A Randomized Controlled Trial. *Journal of the American Medical Directors Association*, 20 (7):822-829.
- Hsu, T. H., Liou, T. H., **Chou, K. R.**, Chi, W. C., Yen, C. F., Liao, H. F., Tseng, I. J., (2018). Large-scale assessment of function and disability in patients with parkinson's disease using the functioning disability evaluation scale-adult version. *International Journal of Environmental Research and Public Health*, 15 (22):2788.
- Kao, C. C., Chiu, H. L., Liu, D., Chan, P. T., Tseng, I. J., Chen, R., Niu, S. F., **Chou, K. R.*** (2018). Effect of Interactive Cognitive Motor Training on Gait and Balance among Older Adults: A Randomized Controlled Trial. *International Journal of Nursing Studies*. 82:121-128.
- Chen, R., Chien, W. C., Chu, H., Chiu, H. L., Chung, C. H., Yang, C. Y., Miao, N. F., **Chou, K. R.*** (2018). Mortality and Risk Factors in Psychiatric Inpatient with Dementia: A 13-year Long-Term Data Analysis. *Neuropsychiatry (London)*, 8 (3):930-941.
- Chen, R., Chien, W. C., Kao, C. C., Chung, C. H., Liu, D., Chiu, H. L., **Chou, K. R.*** (2018). Analysis of The Risk and Risk Factors for Injury in People with and without Dementia: A 14-Year, Retrospective, Matched Cohort Study. *Alzheimer's Research & Therapy*, 10 (1):111.
- Yang, H. L., **Chou, K. R.*** (2018). The Working Memory Variations between Healthy and Mild Cognitive Impairment Elders: A Comparative Analysis Study. *New Taipei Journal of Nursing*. Accepted.
- Chiu, H. L., Chan, P. T., Kao, C. C., Chu, H., Chang, P. C., Sheen Hsiao, S. T., Liu, D., Chang, W.C., **Chou, K. R.*** (2018). Effectiveness of Executive Function Training on Mental Set Shifting, Working Memory and Inhibition in Healthy Older Adults: A Double-Blind Randomized. *Journal of Advanced Nursing*, 74(5):1099-1113.
- Dang, T. L., Lai, F. C., Lin, Y. K., **Chou, K. R.**, Miao, N. F., Liao, Y. M. (2018). Psychometric Evaluation of the Vietnamese Hemodialysis Stressor Scale. *Clinical Nursing Research*, 27(3):364-385.

Grants

Project	Funding	Active	Host
The Construction of Multi-Domain Cognitive Training Model for Older Adults in Working Memory, Attention, Executive Function and Cognitive Function: A Randomized Controlled Study	Ministry of Science and Technology	2019/08/01 2022/07/31	PI
Disability Prevention and Postponement Training Program: The Evidence-Based Cognitive Training Program	Ministry of Health and Welfare Grant	2018/08/14 2018/12/14	PI
The Construction and Evaluation of Light Therapy Model for Older Adults with Mild Cognitive Impairment and Dementia: A Randomized Controlled Study	Ministry of Science and Technology	2017/08/01 2020/07/31	PI
The Executive Function Training for Health Older: A Randomized Controlled Study	Yuan's General Hospital	2017/04/01 2018/03/31	PI
The Construction and Evaluation of Multi-Domain Attention Training for Older Adults with Mild Cognitive Impairment: A Randomized Controlled Study	Ministry of Science and Technology	2016/08/01 2019/07/31	PI



**Prof.
Tsai, Pei-Shan**

Head of Mind-Body Research Team

Dr. Tsai a professor focuses her research on the link between stress-response systems and chronic illnesses and outcomes of nursing care of patients with stress-related illnesses. Tsai's expertise includes using both physiological and behavioral measures in research for understanding the mechanisms and efficacy of nursing interventions. She also plays a vital role in demonstrating important health factors, disease prevalence, and health care effectiveness in the general population in Taiwan through secondary analysis of health data. Tsai is a collaborator noted for bringing researchers from different fields together to collaborate on research projects that have important clinical and policymaking implications. To date, she has published more than 150 peer-reviewed articles in medical, psychology, and nursing journals, many of which have received a high number of citations from journal articles.

Research Focus

- ☐ Biobehavior research
- ☐ Exercise physiology
- ☐ Biofeedback
- ☐ Stress management
- ☐ Psychophysiology
- ☐ Sleep

Staff and Contact Information

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Major Achievements

1. 2017 Outstanding Thesis Research Award, Taipei Medical University
2. 2016 International Nurse Researcher Hall of Fame, Sigma Theta Tau International Honor Society of Nursing
3. 2015-2016 President, Lambda Beta-at-Large Chapter, sigma Theta Tau International Honor Society of Nursing

Publications

Chang, C. Y., Shih, H. J., Huang I. T., **Tsai, P. S.**, Chen, K. Y., & Huang, C. J. (2019). Magnesium Sulfate Mitigates the Progression of Monocrotaline Pulmonary Hypertension in Rats. *International Journal of Molecular Sciences*, 20(18), pii: E4622.

Ridwan, E. S., Hadi, H., Wu, Y. L., & **Tsai, P. S.*** (2019). Effects of Transitional Care on Hospital Readmission and Mortality Rate in Subjects with COPD: A Systematic Review and Meta-Analysis. *Respiratory Care*, 64(9), 1146-1156.

Huang, C. J., Huang, C. L., Fan, Y. C., Chen, T. Y., & **Tsai, P. S.*** (2019). Insomnia Increases Symptom Severity and Health Care Utilization in Patients with Fibromyalgia: A Population-based Study. *The Clinical Journal of Pain*, 35(9), 780-785.

Fang, S. C., Wu, Y. L., Chen, S. C., Teng, H. W., & **Tsai, P. S.*** (2019). Subjective sleep quality as a mediator in the relationship between pain severity and sustained attention performance in patients with fibromyalgia. *Journal of Sleep Research*, 28(6), e12843.

Liu, J. W., Tu, Y. K., Lai, Y. F., Lee, H. C., **Tsai, P. S.**, Chen, T. J., Huang, H. C., Chen, Y. T., & Chiu, H. Y. (2019). Associations between sleep disturbances and suicidal ideation, plans, and attempts in Adolescents: A Systematic Review and Meta-Analysis. *Sleep*, 42(6), pii: zsz054.

Chuang, C. W., **Tsai, P. S.**, Lin, J. A., Meganathan, N., Fan, Y. C., Yuan, H. B., Kao, M. C., & Huang, C. J.* (2019). Increased Subsequent Risk of Coronary Heart Disease in Primary Cesarean Delivery Women: A Population-Based

Cohort Study. *Journal of Women's Health*, 28(3), 323-330.

Fang, S. C., Huang, C. J., Wu, Y. L., Wu, P. Y., & **Tsai, P. S.*** (2019). Effects of Napping on Cognitive Function Modulation in Elderly Adults with a Morning Chronotype: A Nationwide Survey. *Journal of Sleep Research*, 28(5), e12724.

Shih, H. J., **Tsai, P. S.**, Wen, Y. C., Kao, M. C., Fan, Y. C., & Huang, C. J. (2018). Hyperlipidemia patients with long-term statin treatment are associated with a reduced risk of progression of benign prostatic enlargement. *The Aging Male*, [Epub ahead of print]

Lin, E. Y., Chen, P. Y., **Tsai, P. S.**, Lo, W. C., Chiu, H. Y.* (2018). Trajectory of health-related quality of life and its determinants in patients who underwent lumbar spine surgery: a 1-year longitudinal study. *Quality of Life Research*, 27(9), 2251-2259.

Wu, Y. L., Huang, C. J., Fang, S. C., Ko, L. H., & **Tsai, P. S.*** (2018). Cognitive Impairment in Fibromyalgia: A Meta-Analysis of Case-Control Studies. *Psychosomatic Medicine*, 80(5), 432-438.

Chiu, H. Y., Huang, C. J., & **Tsai, P. S.*** (2018). Insomnia but not hypnotics use associates with the risk of breast cancer: a population-based matched cohort study. *Journal of Women's Health*, 27(10), 1250-1256.

Chiu, H. Y., Li, W., Lin, J. H., Su, Y. K., Lin, E. Y., & **Tsai, P. S.*** (2018). Measurement properties of the Chinese version of the Mental Fatigue Scale for patients with traumatic brain injury. *Brain Injury*, 32(5), 652-654.

Shih, H. J., Huang, C. J., Lin, J. A., Kao, M. C., Fan, Y. C., & **Tsai, P. S.*** (2018). Hyperlipidemia is associated with an increased risk of clinical benign prostatic hyperplasia. *The Prostate*, 78(2), 113-120.

Tsai, C. F., **Tsai, P. S.**, Liu, C. L., Lin, Y. K., Ling, Y. L., Tseng, I. J., & Liao, Y. M. (2018). Psychometric evaluation of the Chinese Breast Cancer Prevention Trial Symptom Scale. *Cancer Nursing*, 41(4), E18-E30.

Hsu, L. F., Chang, L. Y., Liao, Y. M., Yeh, S. D. & **Tsai, P. S.*** (2018). Trends in urodynamic procedures, surgical procedures, and overall health resource utilization in the adult Taiwanese population with urinary incontinence: a secondary data analysis. *The Journal of Nursing Research*, 26(6), 438-445.

Grants

Project	Funding	Active	Host
Effects of Different Symptomatic Phenotypes on Quality of Life and the Effectiveness of Technology-assisted Adaptive Health Care Programs in Patients with Fibromyalgia	Ministry of Science and Technology	2018/08/01 2021/07/31	PI
Changes in Cognitive Functions in Patients with Recovery Stage of Traumatic Brain Injury: Effects and Mechanism of Neurofeedback	Ministry of Science and Technology	2017/08/01 2020/07/31	Co-PI
Features and Impact of Sleep Disturbances and Efficacy of Neurofeedback for Symptom Improvement in Patients with Fibromyalgia	Ministry of Science and Technology	2016/08/01 2020/06/30	PI
A Mind-Body Approach to Study Irritable Bowel Syndrome-Role of Psychological Distress, Effectiveness and Mechanisms of Mindfulness Training	Ministry of Science and Technology	2015/08/01 2018/07/31	PI



Prof.

Chung, Min-Huey

Associate Dean of College of Nursing

Professor Chung has been dedicated to conducting research on psychiatry, circadian rhythm, and sleep. She explored the relationship between hypnotics and psychiatry disorders and investigated the circadian rhythms and seasonal sleep disorders among shift workers. By integrating interventional measures, my research goal is to thoroughly explore the effects of cognitive-behavioral therapy and social rhythm therapy on shift workers and psychiatric patients to provide appropriate care to improve their sleep quality.

Research Focus

- ☐ Psychiatry and mental health
- ☐ Sleep

Staff and Contact Information

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Major Achievements

1. 2019, In 2018 annual research and development results, improve the quality of care services, Republic of China Mental Health Care Society.
2. 2018, Nursing Excellence Award - Special Contribution, New Taipei City
3. Senior Nurse from Ministry of Health and Welfare (2017)
4. Taiwan Tech Trek Program Awards, Ministry of Science and Technology. (2015)
5. Taipei Medical University Excellent Teacher Awards (2012, 2013)

Publications

Lam, C., & **Chung, M. H.*** (2019). A Meta-Analysis of the Effect of Interpersonal and Social Rhythm Therapy on Symptom and Functioning Improvement in Patients with Bipolar Disorders. *Applied Research in Quality of Life*, 1-13.

Ho, K. F., Ho, C. H., & **Chung, M. H.*** (2019). Theoretical integration of user satisfaction and technology acceptance of the nursing process information system. *PloS One*, 14(6).

Dwi Susanti, H., Chang, P. C., & **Chung, M. H.*** (2019). Construct validity of the Menopause Rating Scale in Indonesia. *Climacteric*, 22(5), 454-459.

Wang, C. H., Lee, T. Y., Hui, K. C., & **Chung, M. H.*** (2019). Mental disorders and medical comorbidities: Association rule mining approach. *Perspectives in Psychiatric Care*, 55(3), 517-526.

Chen, I. H., Hsu, S. M., Wu, J. S. J., Wang, Y. T., Lin, Y. K., **Chung, M. H.**, ... & Miao, N. F. (2019). Determinants of nurses' willingness to receive vaccines: Application of the health belief model. *Journal of Clinical Nursing*, 28(19-20), 3430-3440.

Setyowati, A., **Chung, M. H.**, & Yusuf, A. (2019). Development of self-report assessment tool for anxiety among adolescents: Indonesian version of the Zung self-rating anxiety scale. *Journal of Public Health in Africa*, 10:1172

Fang, H. F., Lee, T. Y., Hui, K. C., Yim, H. C. H., Chi, M. J., & **Chung, M. H.*** (2019). Association between Sedative-hypnotics and Subsequent Cancer in Patients with and without Insomnia: A 14-year Follow-up Study in Taiwan. *Journal of Cancer*, 10(10), 2288-2298.

Chang, Y., Lam, C., & **Chung, M. H.*** (2018). Influence of new hire transition workload on insomnia in nurses. *International Journal of Nursing Practice*, 24(5), e12666.

Sang, E., Liao, Y. M., Miao, N. F., Chou, K. R., & **Chung, M. H.*** (2018). Patterns and correlates of benzodiazepine use in nurses: A nationwide, population-based study. *International Journal of Mental Health Nursing*, 27(1), 400-407.

Lin, Y. H., Hsiao, S. S., Lin, C. F., Yang, C. Y., & **Chung, M. H.*** (2018). Exploration of the association between workplace bullying and attitudes toward patient safety in female nurses. *The Journal of Nursing*, 65(1), 51-60.

Grants

Projects	Funding	Active	Host
Development and Application of Hospital Adverse Events Database and Management Information System	Ministry of Science and Technology	2019/08/01 2020/07/31	PI
The Linkage with Artificial Intelligence for the Development of Brainwave Music Playback System to Improve Sleep	Ministry of Science and Technology	2019/08/01 2020/07/31	PI
Construction of Warm Foot Bath Model and Evaluation of its Effects on Heart Rate Variability, Sleep, and Depression in Patients with Depressive Disorders	Ministry of Science and Technology	2019/08/01 2020/07/31	PI
Application Study of Personalized Brainwave Music APP to Improve Sleep	Ministry of Science and Technology	2018/11/01 2019/10/31	PI
Development and Effectiveness Research of Rhythm Light Regulating Physiological Index, Sleep and Emotion	Ministry of Science and Technology	2018/11/01 2019/10/31	PI
Identification of Novel Breast Cancer Susceptibility Gene and Epigenetic Markers in Disease-free Taiwanese Women Whose First-degree Relatives Have Been Diagnosed with Breast Cancer	Institution of Biomedical Sciences, Academia Sinica	2018/08/01 2020/07/31	PI
Establishment and Evaluation of Light Intervention Model for Patients with Schizophrenia	Ministry of Science and Technology	2016/08/01 2019/07/31	PI
The Bidirectional Relationship Between Heart Disease and Anxiety: a Long-term Follow-up Study	Taipei Medical University Hospital	2019/01/01 2020/12/31	Co-PI
The Effect of Hypnotics on Treatment Response in Patients with Major Depressive Disorder	Taipei Medical University Hospital	2019/01/01 2020/12/31	Co-PI
Transcriptome Analysis for Depression: an In-vitro Study Based on a GWAS Result from the Taiwanese Population	Cathay General Hospital	2018/01/01 2019/12/31	Co-PI
Design and Development of Big Data Tools for Epidemics Monitoring, Analytics and Forecasting	Ministry of Science and Technology	2016/08/01 2018/07/31	Co-PI





**Prof.
Lin, Chiou-Fen**

Associate Dean of College of Nursing

Dr. Lin's research focuses on determining the Human Resources Management and Nursing Administration on improving human resource management in the hospital. In addition, nursing ethics is an important issue which she has been keeping focusing on. Because the elderly care has much to do with the registered nurse.

Research Focus

- ☐ Nursing administration
- ☐ Human resources management
- ☐ Nursing ethics
- ☐ Elderly care

Staff and Contact Information

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Publications

Lin, C. F., Huang, C. I., Yang, C. M., Lu, M. S. (2019). The Relationship Between Work Environment Satisfaction and Retention Intention Among Nursing Administrators in Taiwan. *The Journal of Nursing Research*, 27(5), e43.

Chang, H. L., Li, F. S., & **Lin, C. F.*** (2019). Factors influencing implementation of shared medical decision making in patients with cancer. *Patient Preference and Adherence*, 13, 1995-2005.

Li, C. J., Wang, C. H., & **Lin, C. F.*** (2019). An Experience Applying Life Review and Resilience to a Geriatric Patient with Functional Limitations and Depression. *Journal of Nursing*, 66(1), 115-122.

Chou, K. R., & **Lin, C. F.*** (2018). Navigate the world with college of nursing, Taipei Medical University, Ranked No. 1 nationally in nursing subject, Academic Ranking of World Universities (ARWU). *Asia-Pacific Journal of Oncology Nursing*, 5(1), 127-128.

Lin, C. F., Yu, P. J. (2018). Practice and Promotion of University Social Responsibility. *New Taipei Journal of Nursing*, 20(2), 1-7

Lin, Y. H., Hsiao, S. S., **Lin, C. F.**, Yang, C. Y., & Chung, M. H. (2018). Exploration of the association between workplace bullying and attitudes toward patient safety in female nurses. *The Journal of Nursing*, 65(1), 51-60.

Grants

Project	Funding	Active	Host
Quality Improvement for Elderly Check-up in Taipei	Department of Health, Taipei City Government	2019/06/21 2019/12/31	PI
2019 Constructing a Quality Nursing Workplace Plan - Proactive Nursing 2030	Ministry of Health and Welfare	2019/11 2019/12	PI
2019 Home Care Institution Evaluation Project	Ministry of Health and Welfare	2019/03 2019/12	PI

2019 New Prescriptions for Accurate Long-term Care: Building an Age-friendly, Cross-domain Aggregation and Empowering Community Network	Ministry of Education	2019/01 2019/12	PI
2018 New Prescriptions for Accurate Long-term Care: Building an Age-friendly, Cross-domain Aggregation and Empowering Community Network	Ministry of Education	2018/01 2018/12	PI
2018 Continuing Education Training Program for Long-term Care Medical Staff and Care Manager Professional Courses	Ministry of Health and Welfare	2018/05 2018/12	PI
2017 Promote the Sub-station Counseling Plan for the Aboriginal and Outlying Islands Care Service Management Center	Ministry of Health and Welfare	2018/03 2019/03	PI
Improvement Plan for the Prevention and Treatment of Hypertension in Public Health Workers of the Taipei 12 District Health Service Center	Ministry of Education	2018/08/23 2018/11/19	PI
The Effects of Board Game on Life Satisfaction, Depression, and Well-Being in the Elderly	Ministry of Science and Technology	2019/07/01 2020/01/31	PI





**Prof.
Lin, Pi-Chu**

Director of Master Program in Long-Term Care

Dr. Lin focuses on Orthopedic patient care especially on postoperative care and functional recovery. Recently, the research entitles “Pre- and Post-Operative Life Experience, Quality of Life and Physical Activity among Patients with Total Knee and Hip Replacement”. The major aim was to follow-up the quality of life and joint function 6 months after joint replacement surgery. The results will be expected to understand the influencing factors of quality of life and joint function after THR and TKR surgery.

Research Focus

- ☐ Medical-surgical nursing
- ☐ Orthopedic nursing
- ☐ Elderly care
- ☐ Health education

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Publications

Lee, P. I., Lai, H. R., **Lin, P. C.**, Kuo, S. Y., Lin, Y. K., Chen, S. R., & Lee, P. H. (2020). Effects of a parenting sexual education program for immigrant parents: A cluster randomized trial. *Patient Education and Counseling*, 103(2), 343-349.

Lee, P. H., Kuo, S. Y., Ou, T. S., Lin, Y. K., Chi, M. J., Chen, S. R., **Lin, P. C.**, & Lai, H. R. (2019). Predicting exercise intentions and behaviors of Taiwanese children in a longitudinal sample. *Journal of Pediatric Nursing*.

Lin, P. C., Lee, P. H., Tseng, S. J., Lin, Y. M., Chen, S. R., & Hou, W. H. (2019). Effects of aromatherapy on sleep quality: A systematic review and meta-analysis. *Complementary Therapies in Medicine*, 45, 156-166.

Cheng, S. Y., **Lin, P. C.**, Chang, Y. K., Lin, Y. K., Lee, P. H., & Chen, S. R. (2019). Sleep quality mediates the relationship between work-family conflicts and the self-perceived health status among hospital nurses. *Journal of Nursing Management*, 27(2), 381-387.

Chang, S. Y., Lin, L. H., & **Lin, P. C.*** (2019). Knee joint function, walking ability and quality of life within 6 weeks after total knee arthroplasty: A prospective cohort study. *Journal of Clinical Nursing*, 28(17-18), 3222-3232.

Lai, Y. C., Liao, Y. M., & **Lin, P. C.*** (2019). Physical Activity and Quality of Life in Patients with Type II Diabetes Mellitus. *Journal of Nursing*, 66(2), 57-66.

Chen, S. H., Lai, H. R., Chen, S. R., **Lin, P. C.**, Chou, K. R., & Lee, P. H. (2019). Validity and reliability of a Chinese-language instrument for continuous assessment of exercise stages of change in adults. *The Journal of Nursing Research*, 27(4), e37.

Chen, S. R., Chiu, H. T., Lin, L. M., & **Lin, P. C.*** (2019). Preceptors' Subjective Competency Ratings in Acute Care Hospitals in Taiwan. *The Journal of Continuing Education in Nursing*, 50(2), 69-78.

Tan, S. H., Liao, Y. M., Lee, K. C., Ko, Y. L., & **Lin, P. C.*** (2019). Exploring bowel dysfunction of patients following colorectal surgery: A cohort study. *Journal of Clinical Nursing*, 28(9-10), 1577-1584.

Hsu, C. C., Chen, S. R., Lee, P. H., & **Lin, P. C.*** (2019). The effect of music listening on pain, heart rate variability, and range of motion in older adults after total knee replacement. *Clinical Nursing Research*, 28(5), 529-547.

Tou, Y. H., Liu, M. F., Chen, S. R., Lee, P. H., Kuo, L. M., & **Lin, P. C.*** (2019). Investigating missed care by nursing aides in Taiwanese long-term care facilities. *Journal of Nursing Management*..

Miao, N. F., & **Lin, P. C.*** (2018). A prospective study of joint function and the quality of life of patients undergoing total joint replacement. *International Journal of Nursing Practice*, 24(5), e12675.

Lee, K. C., Hsieh, Y. L., **Lin, P. C.**, & Lin, Y. P. (2018). Sleep pattern and predictors of sleep disturbance among family caregivers of terminal ill patients with cancer in Taiwan: a longitudinal study. *American Journal of Hospice and Palliative Medicine®*, 35(8), 1109-1117.

Lin, Y. C., Chen, C. Y., Liao, Y. M., **Lin, P. C.**, & Chang, C. C. (2018). Pain Relief by Parecoxib for Laparoscopic Cholecystectomy: A Meta-Analysis of Randomized Controlled Trials. *Asian journal of Anesthesiology*, 56(3), 92-114.

Grants

Project	Funding	Active	Host
Effects of the Musical Fitness Program for Institutional Older Adults with Cognitive Impairment.	Taiwan Nurses Association	2019/01/01 2019/12/15	Co-PI
Effects of Auricular Acupressure on Sleep Quality in Long-Term Care Residents	Taipei Medical University	2017/08/01 2018/07/31	PI
A Hospice Palliative Care Promotion Project for Long-term Care Staffs	Health Promotion Administration	2017/05/01 2018/12/31	Co-PI
A Care-Based Innovative Networking for Active Ageing	Ministry of Science and Technology	2016/07/01 2018/06/30	Co-PI





**Prof.
Tsai, Hsiu-Ting**

Director of Post-Baccalaureate Program in Nursing

From the perspectives of the nurse practitioner, Dr. Tsai focuses on the Prevention and Nursing Care of Cancer Disorder and Nursing Molecular Epidemiology. In addition, her recent research is oriented by Physiology, especially about Pelvic Inflammatory Disease treatment.

Research Focus

- ☐ Cardiovascular nursing
- ☐ Cancer prevention
- ☐ Nursing molecular epidemiology
- ☐ Endocrine disease nursing
- ☐ Prevention and nursing care of cancer disorder
- ☐ Physiology

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Publications

Lee, C. Y., Yang, S. F., Wang, P. H., Su, C. W., Hsu, H. F., **Tsai, H. T.**, & Hsiao, Y. H. (2019). Antimetastatic effects of Terminalia catappa leaf extracts on cervical cancer through the inhibition of matrix metalloprotein-9 and MAPK pathway. *Environmental Toxicology*, 34(1), 60-66.

Tsai, J. C., Chou, K. R., **Tsai, H. T.**, Yen, Y. C., & Niu, S. F. (2019). Effects of Nocturnal Sleep Quality on Diurnal Cortisol Profiles and Attention in Nurses: A Cross-Sectional Study. *Biological Research for Nursing*, 21(5), 510-518.

Niu, S. F., Kuo, S. F., **Tsai, H. T.**, Kao, C. C., Traynor, V., & Chou, K. R. (2019). Prevalence of workplace violent episodes experienced by nurses in acute psychiatric settings. *PloS One*, 14(1), e0211183.

Shin, Y. W., Yang, S. F., Chien, M. H., Chang, C. W., Chang, V. H., & **Tsai, H. T.** * (2018). Significant Effect of Acupressure in Elevating Blood Stem Cell Factor During Chemotherapy in Patients with Gynecologic Cancer. *Journal of Nursing Research*, 26(6), 411-419.

Grants

Project	Funding	Active	Host
Relationship of Job Related-Overtime, Burnout, Stress, and Foot Reflexology Massage-Based Walking and the Incidence, Progression and Immunity of Cervical Cancer	Ministry of Science and Technology	2017/08/01 2020/07/31	PI
The Relationship Between Blended Learning and Improvement of Learning Outcome to the Lecture of Physiology	Department of Education	2019/08/01 2020/07/31	PI



**Prof.
Chang, Chia-Chi**

Dr. Chang focuses on dementia issues, especially on feeding and nutrition. Recently, the research entitled "Evaluation of Computerized Virtual Reality on Functional Ability and Quality of Life in Elderly". The major aim was to evaluate the cognitive training programs on functional ability and quality of life in the older adult. The results will be expected to understand the effectiveness of the cognitive training programs, improving or maintaining functional ability, enhancing the quality of life and reducing the risk of developing dementia for the older adult.

Research Focus

- ☐ Gerontological nursing
- ☐ Dementia care
- ☐ Medical-surgical nursing
- ☐ Nutritional care
- ☐ Problem behavior

Staff and Contact Information

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Publications

Ho, M. H., Chen, K. H., Montayre, J., Liu, M. F., **Chang, C. C.**, Traynor, V., ... & Chiu, H. Y. (2019). Diagnostic test accuracy meta-analysis of PRE-DELIRIC (PREdiction of DELIRium in ICu patients): A delirium prediction model in intensive care practice. *Intensive and Critical Care Nursing*, 102784.

Ho, M. H., Liu, M. F., & **Chang, C. C.*** (2019). A preliminary study on the oral health literacy and related factors of community mid-aged and older adults. *Journal of Nursing*, 66(1), 38-47.

Kuo, S. F., Hou, W. H., **Chang, C. C.**, Liao, Y. M., Cheng, S. Y., Chou, Y. H., ... & Chen, I. H. (2019). Development and psychometric testing of the Chinese version of the Resilience Scale for Southeast Asian immigrant women who divorced in Taiwan. *PloS One*, 14(2).

Ho, M. H., Wang, C. H., Joo, J. Y., Chang, H. C. R., **Chang, C. C.**, & Liu, M. F. (2019). Predictors of emergency department use among community-dwelling older adults. *Journal of Gerontological Nursing*, 45(5), 31-38.

Ho, M. H., Chang, H. C., Lin, Y. K., Traynor, V., Tsai, H. H., Buckwalter, K., ... & **Chang, C. C.*** (2019). Application of the Integrated Behavioral Model to oral self-care behavior of community-dwelling middle-aged and older people in Taiwan. *Public Health Nursing*, 36(5), 726-734.

Syed-Abdul, S., Malwade, S., Nursetyo, A. A., Sood, M., Bhatia, M., Barsasella, D., **Chang, C. C.**, ... & Li, Y. C. J. (2019). Virtual reality among the elderly: a usefulness and acceptance study from Taiwan. *BMC Geriatrics*, 19(1), 223.

Ho, M. H., Montayre, J., Chang, H. C., Joo, J. Y., Naghibi Sistani, M. M., Lin, Y. K., **Chang, C. C.**, ... & Liu, M. F. (2019). Validation and evaluation of the Mandarin version of the oral health literacy adult questionnaire in Taiwan. *Public Health Nursing*.

Chuang, Y. H., Lai, F. C., **Chang, C. C.**, & Wan, H. T. (2018). Effects of a skill demonstration video delivered by smartphone on facilitating nursing students' skill competencies and self-confidence: A randomized controlled trial study. *Nurse Education Today*, 66, 63-68.

Chen, I. H., Lin, K. Y., Hu, S. H., Chuang, Y. H., Long, C. O., **Chang, C. C.**, & Liu, M. F. (2018). Palliative care for advanced dementia: Knowledge and attitudes of long-term care staff. *Journal of Clinical Nursing*, 27(3-4), 848-858.

Grants

Project	Funding	Active	Host
Develop Interactive Game to Improve Cognition in Elderly	Ministry of Science and Technology	2019/08/01 2020/07/31	PI
From Sharing Economy to Common Good Society: Wangdao Practices of Public-Private-Partnership	Ministry of Science and Technology	2017/06/01 2021/05/31	Co-PI
Developing a User-centered smart Assistive Technology Integrated Care Platform for Individuals with Dementia and Their Caregivers	Ministry of Science and Technology	2019/06/01 2021/05/31	Co-PI
Discussion on the Effect of Virtual Reality on Improving Sleep Disorders of Elderly	Ministry of Science and Technology	2019/07/01 2020/02/29	PI
Information Technology Software Academy	Ministry of Education	2019/03/01 2020/01/31	Co-PI
Training Program for Interdisciplinary Talents of Biomedicine and New Agriculture	Ministry of Education	2018/03/14 2021/01/31	Co-PI
Design and Verification the Effects of an Innovative Interactive Game on Improving Cognition in Elderly	Ministry of Science and Technology	2018/08/01 2019/07/31	PI
Construction of a Situation-Stimulated E-learning Platform for Training Communication Strategies with Elderly Dementia Patients and its Effectiveness: from the Perspective of "Three Principles and Six Communication Skills"	Ministry of Science and Technology	2018/08/01 2019/07/31	Co-PI
Discussion on the Effectiveness of Designing and Validating Innovative Interactive Games on Cognitive Improvement of Elders	Ministry of Science and Technology	2018/08/01 2019/07/01	PI
Taipei City Government Social Affairs Subsidy Implementation Plan for Community Care	Other (Funded by Government)	2018/01/01 2018/12/31	PI
University Social Responsibility Projects	Ministry of Education	2017/08/01 2018/03/31	Co-PI
The Health Promotion Research to Foreign Care Workers	Institute of Labor, Occupational, Safety and Health, Ministry of Labor	2017/07/28 2018/12/31	Co-PI
From Sharing Economy to Common Good Society: Wangdao Practices of Public-Private-Partnership	Ministry of Science and Technology	2017/06/01 2018/05/31	Co-PI
Smart Aging Alliance	Ministry of Education	2018/02/01 2019/01/31	PI
Evaluation of Computerized Virtual Reality on Functional Ability and Quality of Life in Elderly	Ministry of Science and Technology	2016/08/01 2018/07/31	PI



**Prof.
Chang, Hsiu-Ju**

Dr. Chang's research focuses on determining the psychopathological predictors and the effectiveness of body-mind-spirit viewpoints on improving well-being among patients with psychiatric disorders including children and adolescents. In addition, special attention has been focusing on investigating psychosocial and adjustment issues among patients with medical and surgical diseases such as cancer and stroke.

Research Focus

- ☐ Child/adolescent mental health nursing
- ☐ Psychological distress in medical
Surgical nursing
- ☐ Group therapy
- ☐ Research instrument development
- ☐ Psych oncology

Staff and Contact Information

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Publications

Chen, C. W., Hsueh, C. W., Chung, C. H., Wang, H. S., **Chang, H. J.*** & Chien, C. W.* (2020). The Association between Tic Medication Therapy and Psychiatric Comorbidities among Patients with Tourette Syndrome: A National Population-based Study in Taiwan. *Brain & Development*, (Accept)

Tam, K. W. *, Chen, K. H., **Chang, H. J.**, Huang, P. L., Cheng, S. M., Li, C. S., Chen, T. H., Liu, C. F., Chou, Y. Y., Hsueh, H. C., Lee, H. L., Chia, S. L., Wang Y. W. (2020). Value of Shared Decision Making from Patients' Perspective. *Journal of Healthcare Quality*, 14(1), 36-41.

Chen, S. C., Yeh, M. L., **Chang, H. J.**, & Lin, M. F. (2020). Music, heart rate variability, and symptom clusters: a comparative study. *Supportive Care in Cancer*, 28(1), 351-360.

Chi, N. F., Huang, Y. C., Chiu, H. Y., **Chang, H. J.**, & Huang, H. C. (2020). Systematic Review and Meta-Analysis of Home-Based Rehabilitation on Improving Physical Function Among Home-Dwelling Patients with a Stroke. *Archives of Physical Medicine and Rehabilitation*, 101(2), 359-373.

Lu, S. M., Lin, M. F., & **Chang, H. J.*** (2019). Progressive muscle relaxation for patients with chronic schizophrenia: A randomized controlled study. *Perspectives in Psychiatric Care*, 56(1), 86-94.

Chen, C. W., Wang, H. S., **Chang, H. J.**, & Hsueh, C. W. (2019). Effectiveness of a modified comprehensive behavioral intervention for tics for children and adolescents with tourette's syndrome: A randomized controlled trial. *Journal of Advanced Nursing*, 76,903-915.

Wang, H. F., Li, C. S., Yu, W. Z., & **Chang, H. J.*** (2019). Experience Using Oncology Nurse Navigation to Help the Psychological Adjustment of an Outpatient with Rare Tumor Recurrence. *Journal of Nursing*, 66(6), 89-96.

Huang, Y. F., Chiou, H. Y., Chung, C. H., Chien, W. C., & **Chang, H. J.*** (2019). Psychiatric Disorders After Attention-Deficit/Hyperactivity Disorder: A Nationwide Population-Based Study in Taiwan. *Journal of Nursing Scholarship*, 51(2), 138-146.

Chen, S. C., Chou, C. C., **Chang, H. J.**, & Lin, M. F. (2018). Comparison of group vs self-directed music interventions to

reduce chemotherapy-related distress and cognitive appraisal: an exploratory study. *Supportive Care in Cancer*, 26(2), 461-469.

Lan, S. L., Chen, Y. C., & **Chang, H. J.*** (2018). Nursing Experience of Using Mirror Visual Feedback for a Schizophrenia Patient with Visual Hallucinations. *Journal of Nursing*, 65(3), 103-111.

Shyu, M. L., Huang, H. C., Wu, M. J., & **Chang, H. J. *** (2018). Development and validation of the Self-Awareness of Falls in Elderly Scale among elderly inpatients. *Clinical Nursing Research*, 27(1), 105-120.

Chien, Y. N., Chen, P. L., Chen, Y. H., **Chang, H. J.**, Yang, S. C., Chen, Y. C., & Chiou, H. Y. (2018). The Taiwan Adolescent to Adult Longitudinal Study (TAALS): Methodology and Cohort Description. *Asia Pacific Journal of Public Health*, 30(2), 188-197.

Grants			
Project	Funding	Active	Host
The Chinese Version of the ELPAT Living Organ Donor Psychosocial Assessment Tool (EPAT): Reliability and Validity.	Astellas Pharma Inc	2019/04/10 2021/03/31	CO-PI
The Effectiveness of Nurse Navigator for Oncology Nursing	Ministry of Science and Technology	2019/08/01 2020/07/31	PI
Development Program for Patient-centered Shared Decision Making and Improved Cross-departmental Participation: Collection and Analysis of Patients and Family Health Promotion and Exploration of Care Needs	Health Promotion Administration, Ministry of Health and Welfare	2018/08/31 2019/08/31	CO-PI
The Taiwan Adolescent to Adult Longitudinal Study (TAALS) Methodology and Cohort Description	Health Promotion Administration, Ministry of Health and Welfare	2014/01/01 2019/12/31	CO-PI
The Effectiveness of Mindfulness-Based Cognitive Therapy (MBCT) for Patients with Depressive Disorders	Ministry of Science and Technology	2015/08/01 2019/07/31	PI
Future University Program Subproject 1-1: Field Learning: Create a Space for Learning	Taipei Medical University	2015/08/01 2018/07/31	PI
Future University Program Subproject 1-2: Community Learning: My Dream Come True	Taipei Medical University	2015/08/01 2018/07/31	PI
Higher Education Sprout Project plan 1-1-1, 1-2-4, 1-2-5, 3-1-2, 4-1-1, 4-1-2, 4-1-3, 4-2-1, 4-2-2, 4-2-3: Strengthen Interpersonal Links and International Reciprocity	Taipei Medical University	2018/01/01 2022/12/31	PI
The Ministry of Education Subsidy College to Coaching the Students with Disabilities in Job	Taipei Medical University Student Counseling Center	2018/01/01 2018/12/31	PI
The Ministry of Education Subsidy College Appointment of Part-time Professional Counseling Manpower Project	Taipei Medical University Student Counseling Center	2018/01/01 2018/12/31	PI



**Prof.
Hou, Wen-Hsuan**

Dr. Hou's is a physician with the specialists in Geriatric Medicine and Physical Therapy and Rehabilitation. She holds a committee member of Joint Commission of Taiwan. She is also a researcher of Cochrane Taiwan and published two Cochrane review related to the phototherapy and vocational rehabilitation. Her research topics focus on the research of the systematic review of evidence-based health care, the development of assessment tools such as health literacy and shared decision-making, the establish of the prediction model in chronic diseases, as well as the randomized controlled trials for the effectiveness of rehabilitation strategies.

Research Focus

- ☐ Disability assessment
- ☐ Evidence-based healthcare
- ☐ Shared decision-making
- ☐ Gerontological care
- ☐ Stroke and cancer rehabilitation

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Major Achievements

1. 2016-2017: Taiwan Fulbright Exchange Scholarship Award
2. Taiwan Research Award, Taiwan Association of Gerontology and Geriatrics
3. Doctoral Dissertation Research Award, Taiwan Epidemiology Association
4. Best Paper of Young Visiting Staffs Essay Contest Award by Lien I-Nan Foundation for Promotion of Education and Research in Rehabilitation Medicine
5. Supervisor/Director of Taiwan Evidence-Based Medicine Association
6. Director of Center of Evidence-Based Medicine, Taipei Medical University Hospital

Publications

Li, C. Y., Li, C. H., Martini, S., & **Hou, W. H.*** (2019). Association between air pollution and risk of vascular dementia: A multipollutant analysis in Taiwan. *Environment International*, 133, 105233.

Kuo, S. F., **Hou, W. H.**, Chang, C. C., Liao, Y. M., Cheng, S. Y., Chou, Y. H., ... & Chen, I. H. (2019). Development and psychometric testing of the Chinese version of the Resilience Scale for Southeast Asian immigrant women who divorced in Taiwan. *PloS One*, 14(2). e0211451.

Horng, Y. S., **Hou, W. H.**, & Liang, H. W. (2019). Responsiveness of the modified lower extremity functional scale in patients with low back pain and sciatica: A comparison with pain intensity and the modified Roland-Morris Disability Scale. *Medicine*, 98(14), e15105.

Wu, T. Y., Chen, C. T., Huang, Y. J., **Hou, W. H.**, Wang, J. D., & Hsieh, C. L. (2019). Rasch analysis of the 9-item Shared Decision Making Questionnaire in women with breast cancer. *Cancer Nursing*, 42(3), E34-E42.

Chang, F. H., Ni, P., Chiou, H. Y., **Hou, W. H.**, & Jette, A. M. (2019). Cultural and semantic equivalence of the activity measure post-acute care (AM-PAC) after its translation into Mandarin Chinese. *Disability and Rehabilitation*, 41(16), 1937-1942.

Shen, H. N., Lin, C. C., Hoffmann, T., Tsai, C. Y., **Hou, W. H.**, & Kuo, K. N. (2019). The relationship between health literacy and perceived shared decision making in patients with breast cancer. *Patient Education and Counseling*, 102(2), 360-366.

Lin, P. C., Lee, P. H., Tseng, S. J., Lin, Y. M., Chen, S. R., & **Hou, W. H.*** (2019). Effects of aromatherapy on sleep

quality: A systematic review and meta-analysis. *Complementary Therapies in Medicine*, 45, 156-166.

Kang, Y. N., Shen, H. N., Lin, C. Y., Elwyn, G., Huang, S. C., Wu, T. F., & **Hou, W. H.*** (2019). Does a Mobile app improve patients' knowledge of stroke risk factors and health-related quality of life in patients with stroke? A randomized controlled trial. *BMC Medical Informatics and Decision Making*, 19(1), 1-9.

Hou, W. H., Chang, K. C., Li, C. Y., & Ou, H. T. (2018). Dipeptidyl peptidase-4 inhibitor use is associated with decreased risk of fracture in patients with type 2 diabetes: a population-based cohort study. *British Journal of Clinical Pharmacology*, 84(9), 2029-2039.

Hou, W. H., Huang, Y. J., Lee, Y., Chen, C. T., Lin, G. H., & Hsieh, C. L. (2018). Validation of the integrated model of health literacy in patients with breast cancer. *Cancer Nursing*, 41(6), 498-505.

Yang, L. T., Chang, Y. M., Hsieh, T. H., **Hou, W. H.**, & Li, C. Y. (2018). Associations of ambient temperature with mortality rates of cardiovascular and respiratory diseases in Taiwan: a subtropical country. *Acta Cardiologica Sinica*, 34(2), 166-174.

Huang, Y. J., Chen, C. T., Lin, G. H., Wu, T. Y., Chen, S. S., Lin, L. F., **Hou, W. H.**, & Hsieh, C. L. (2018). Evaluating the European health literacy survey questionnaire in patients with stroke: a latent trait analysis using Rasch modeling. *The Patient-Patient-Centered Outcomes Research*, 11(1), 83-96.

Huang, Y. J., Lin, G. H., Lu, W. S., Tam, K. W., Chen, C., **Hou, W. H.**, & Hsieh, C. L. (2018). Validation of the European Health Literacy Survey Questionnaire in women with breast cancer. *Cancer Nursing*, 41(2), E40-E48.

Grants

Project	Funding	Active	Host
Using APP to Build a Healthy Platform for Chronic Pain Patients' Long-term Monitoring and Self-care	Ministry of Education	2019/01/01 2019/12/01	PI
Effectiveness of Implementing Shared Decision-Making model in Patients with Lumbar Stenosis: A Cluster Randomized Controlled Trial	Ministry of Science and Technology	2018/08/01 2021/07/31	PI
The Determinates of Health Literacy and Related Health Outcomes Among Elders in Taiwan.	The National Health Research Institutes	2018/01/01 2018/12/31	PI
The Effectiveness of Shared Decision-Making (SDM) APP in Improving Stroke Knowledge and Quality of Life in Patients with Stroke: A Randomized Controlled Trial	Chi Mei Medical Center	2017/03/01 2018/02/28	PI
The Development of the Translational System of Health Literacy in Stroke Rehabilitation (HEALER): A Study of Prediction Model Validation and Interventional Effectiveness Assessment	Ministry of Science and Technology	2016/08/01 2018/07/31	PI



**Prof.
Jeng, Chii**

The major focus of professor Jeng's research is on the health and fitness benefits of regular physical activity or exercise. Professor Jeng has conducted a series of study projects relating to exercise and chronic diseases. Results of her studies may help health providers recommend appropriate exercise programs to patients with specific chronic diseases.

Research Focus

- ☐ Nursing diagnosis
- ☐ Exercise and chronic disease
- ☐ Cardiovascular nursing
- ☐ Cardiac rehabilitation

Staff and Contact Information

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Major Achievements

1. Taipei Medical University Excellent Teacher Awards (2001)
2. National Science Council Research Award for A (1999, 2000)

Publications

- Tsai, C. C., Hsieh, I. C., **Jeng, C.**, Ho, L. H., Chu, P. H., & Chuang, S. Y. (2019). A decline in the prevalence of angina pectoris: Data from the Nutrition and Health Survey in Taiwan. *International Journal of Cardiology*, 280, 1-7.
- Tsai, C. C., Chuang, S. Y., Hsieh, I. C., Ho, L. H., Chu, P. H., & **Jeng, C.*** (2019). The association between psychological distress and angina pectoris: A population-based study. *PloS One*, 14(11). e0224451.
- Chen, B. A., Chien, H. H., Chen, C. C., Chen, H. T., & **Jeng, C.*** (2019). Patient Transfer Decision Difficulty Scale: Development and psychometric testing of emergency department visits by long-term care residents. *PloS One*, 14(2). e0210946.
- Chu, F. L., & **Jeng, C.*** (2019). Lowered obesity indicator cutoff points more effectively predict 5-year incidence of hypertension in premenopausal women. *International Journal for Quality in Health Care*, 31(5), 365-370.
- Tsai, C. C., Li, A. H., Tu, C. M., & Hwang, K. L., **Jeng, C.*** (2019). Effectiveness of a Tailored Lifestyle Management Program for Middle-Aged Women with Coronary Artery Disease: A Preliminary Study. *The Journal of Nursing Research*, 27(1), 1-10.
- Lin, Y. H., Tsai, C. L., Tsao, L. I., & **Jeng, C.*** (2019). Acute exacerbations of chronic obstructive pulmonary disease (COPD) experiences among COPD patients with comorbid gastroesophageal reflux disease. *Journal of Clinical Nursing*, 28(9-10), 1925-1935.
- Kuo, M. C., Chen, C. M., & **Jeng, C.*** (2018). A Randomized Controlled Trial of the Prescribed Stepper Walking Program in Preventing Frailty Among the Dwelling Elderly: Application of Comprehensive Geriatric Assessment. *Topics in Geriatric Rehabilitation*, 34(3), 223-333.

Grants

Project	Funding	Active	Host
Effects of Cognitive-behavioral Education and Exercise Interventions on Smoking Cessation and Physical and Mental Health in Patients with Coronary Heart Disease: Application of the Transtheoretical Model	Ministry of Science and Technology	2018/08/01 2021/07/31	PI
The Effectiveness of Exercise Intervention in Improving Pancreatic β Cell Function、Frailty and Cognition Function of Elderly Diabetes Patients.	Ministry of Science and Technology	2018/08/01 2020/02/29	Co-PI
The Antecedents and Consequences of Symptom Cluster in Patients with Coronary Heart Disease: A Prospective Cohort Study	Ministry of Science and Technology	2019/08/01 2020/07/31	Co-PI
Sarcopenia in Patients with Liver Cirrhosis: Validation of Screening Methods and Evaluation of Exercise and Nutritional Supplementation	Ministry of Science and Technology	2019/08/01 2020/07/31	Co-PI





**Prof.
Lee, Pi-Hsia**

Dr. Lee focuses on physical activity, especially on elderly and students. Recently, the research entitled “Predicting exercise intentions and behaviors of Taiwanese children in a longitudinal sample”. In this study, the Theory of Planned Behavior was used to assess and predict changes in regular exercise intentions and behaviors among elementary school students in a metropolitan area of northern Taiwan. Research findings support that the main constructs of the Theory of Planned Behavior can effectively predict elementary school students’ regular exercise intentions and behaviors in a longitudinal follow-up.

Research Focus

- ☐ Gerontological nursing
- ☐ Community nursing
- ☐ Physical activity
- ☐ Health behavior

Staff and Contact Information

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Publications

Lee, P. I., Lai, H. R., Lin, P. C., Kuo, S. Y., Lin, Y. K., Chen, S. R., & **Lee, P. H.*** (2020). Effects of a parenting sexual education program for immigrant parents: A cluster randomized trial. *Patient Education and Counseling*, 103(2), 343-349.

Lee, P. H., Kuo, S. Y., Ou, T. S., Lin, Y. K., Chi, M. J., Chen, S. R., ... & Lai, H. R. (2019). Predicting exercise intentions and behaviors of Taiwanese children in a longitudinal sample. *Journal of Pediatric Nursing*

Lin, P. C., **Lee, P. H.**, Tseng, S. J., Lin, Y. M., Chen, S. R., & Hou, W. H. (2019). Effects of aromatherapy on sleep quality: A systematic review and meta-analysis. *Complementary Therapies in Medicine*, 45, 156-166.

Chen, S. H., Lai, H. R., Chen, S. R., Lin, P. C., Chou, K. R., & **Lee, P. H.*** (2019). Validity and reliability of a Chinese-language instrument for continuous assessment of exercise stages of change in adults. *The Journal of Nursing Research*, 27(4), e37.

Tou, Y. H., Liu, M. F., Chen, S. R., **Lee, P. H.**, Kuo, L. M., & Lin, P. C. (2019). Investigating missed care by nursing aides in Taiwanese long-term care facilities. *Journal of Nursing Management*.

Cheng, S. Y., Lin, P. C., Chang, Y. K., Lin, Y. K., **Lee, P. H.**, & Chen, S. R. (2019). Sleep quality mediates the relationship between work-family conflicts and the self-perceived health status among hospital nurses. *Journal of Nursing Management*, 27(2), 381-387.

Hsu, C. C., Chen, S. R., **Lee, P. H.**, & Lin, P. C. (2019). The effect of music listening on pain, heart rate variability, and range of motion in older adults after total knee replacement. *Clinical Nursing Research*, 28(5), 529-547.

Lai, H. R., Wu, D. M., **Lee, P. H.*** & Jhang, Y. S. (2018). Health Literacy Teaching Beliefs, Attitudes, Efficacy, and Intentions of Middle School Health and Physical Education Teachers. *Journal of School Health*, 88(5), 350-358.

Liao, C. D., **Lee, P. H.**, Hsiao, D. J., Huang, S. W., Tsao, J. Y., Chen, H. C., & Liou, T. H. (2018). Effects of protein supplementation combined with exercise intervention on frailty indices, body composition, and physical function in frail older adults. *Nutrients*, 10(12), 1916.

Kuo, S. Y., Chen, Y. T., Chang, Y. K., **Lee, P. H.**, Liu, M. J., & Chen, S. R. (2018). Influence of internet addiction on executive function and learning attention in Taiwanese school-aged children. *Perspectives in Psychiatric Care*, 54(4), 495-500.

Grants

Project	Funding	Active	Host
Prevalence of Sarcopenia, Related Factors and Health Promotion Programs in Elderly with Diabetes	Ministry of Science and Technology	2019/08/01 2020/07/31	PI



**Prof.
Lin, Chia-Chin**

Research Focus

- ☐ Cancer pain management
- ☐ Symptom management
- ☐ End of life care
- ☐ Physical activity in cancer
- ☐ Palliative care

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Major Achievements

1. International Nurse Researcher Hall of Fame, Sigma Theta Tau International Honor Society of Nursing (STTI)
2. 2020 International Top Journal Publication Award, Taipei Medical University
3. 2020 Research Dissertation Award - Excellence Award, Taipei Medical University

Publications

Chen, H. M., Cheung, D. S. T., Lin, Y. Y., Wu, Y. C., Liu, C. Y., Lin, K. C., Lin, Y. J., Chen, P. J., **Lin, C. C.*** Relationships of exercise timing with sleep, fatigue, and rest-activity rhythms of lung cancer patients in Taiwan: an exploratory study. *European Journal of Cancer Care*.

Kuo, L. C., Lee, J. J., Cheung, D. S. T., Chen, P. J., **Lin, C. C.*** End-of-life care in cancer and dementia: a nationwide population-based study of palliative care policy changes. *BMJ Supportive & Palliative Care*. doi:10.1136/bmjspcare-2019-001782.

Huang, T. W., Cheung, D. S. T., Xu, X., Loh, E. W., Lai, J. H., Su, W. W., Wu, S. S., **Lin, C. C.*** (2020). Relationship Between Diurnal Cortisol Profile and Sleep Quality in Patients with Hepatocellular Carcinoma. *Biological Research for Nursing*, 22(1), 139-147.

Kuo, L. C., Chang, W. P., Huang, H. C. and **Lin, C. C.*** (2020). Association of time-varying rest-activity rhythm with survival in older adults with lung cancer. *Cancer Nursing*, 43(1), 45-51.

Chang, W. P., Lin, Y. K., **Lin, C. C.*** (2019). Psychometric evaluation of the Taiwanese version of the functional assessment of cancer therapy: a questionnaire for patients with lung cancer. *International Journal for Quality in Health Care*, 31(7), 513-518.

Wang, P. Y., Takemura, N., Xu, X., Cheung, D. S. T., **Lin, C. C.*** (2019). Predictors of successful discharge from intensive care units in older adults aged 80 years or older: a population-based study. *International Journal of Nursing Studies*, 100, 103339.

Chang, H. C., **Lin, C. C.**, Huang, T. W. (2019). Concept analysis of health promotion in cancer survivors. *The Journal of Oncology Nursing*, 19(1), 13-21. doi:10.6880/TJON.201906_19(1).02.

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- Liu, T. M., Luo, Y. W., Tam, K. W., **Lin, C. C.**, Huang, T. W. (2019). Prophylactic and therapeutic effects of honey on radiochemotherapy-induced mucositis: a meta-analysis of randomized controlled trial. *Supportive Care in Cancer*, 27(7), 2361-2370.
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- Liao, M. Y., Lee, J. J., Smith, R., **Lin, C. C.*** (2019). Knowledge of and attitudes toward advance directives in patients with advanced heart failure. *Journal of Hospice and Palliative Nursing*, 21(1), 80-89.
- Lam, S. F., Lin, C. C. (2018). Application strategy of simulation-teaching in nursing. *Chinese Journal of Nursing Education*, Vol. 15(8): 593-596.
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- Chang, H. C., **Lin, C. C.*** (2018). Evaluation of impact factors on the analgesics consumption in stroke patients. *New Taipei Journal of Nursing*, 20(2), 23-35.
- Chang, H. H., Lin, K. H., Chen, Y. Y., **Lin, C. C.*** (2018). Attitudes of physicians, nurses, patients and the public towards euthanasia/physician-assisted suicide in Asia: a systematic literature review and meta-analysis. *New Taipei Journal of Nursing*, 20(2), 37-50.

Grants

Project	Funding	Active	Host
Effects of Home-based Exercise Training on Fatigue, Sleep Disturbance, Symptom Distress and Quality of Life in End-Stage Renal Disease Patients	Ministry of Science and Technology	2016/08/01 2018/07/31	PI



Faculty Publications & Grants II

**Indicate corresponding author*



**A. P.
Kuo, Shu-Yu**

Director of School of Nursing

Dr. Kuo's research focuses on Obstetric Nursing to improving women's health and mental health, especially for pregnant women. In addition, Epidemiology issue is also a research project she cares about and she has been started to research recent years. To explore the medical environment, she devotes herself to simulation education.

Research Focus

- ☐ Obstetric nursing
- ☐ Epidemiology
- ☐ Women's health
- ☐ Mental health
- ☐ Simulation education

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Publications

Lee, P. I., Lai, H. R., Lin, P. C., **Kuo, S. Y.**, Lin, Y. K., Chen, S. R., & Lee, P. H. (2020). Effects of a parenting sexual education program for immigrant parents: A cluster randomized trial. *Patient Education and Counseling*, 103(2). 343-349.

Lee, P. H., **Kuo, S. Y.**, Ou, T. S., Lin, Y. K., Chi, M. J., Chen, S. R., ... & Lai, H. R. (2019). Predicting exercise intentions and behaviors of Taiwanese children in a longitudinal sample. *Journal of Pediatric Nursing*.

Chipojola, R., Lee, G. T., Chiu, H. Y., Chang, P. C., & **Kuo, S. Y.*** (2019). Determinants of breastfeeding practices among mothers in Malawi: a population-based survey. *International Health*.

Ollyvia Freeska Dwi Marta, **Kuo, S. Y.**, Jacqueline Bloomfield, Lee, H. C., Faqih Ruhyanuddin, Mia Yuangi Poynor, Ageng Brahmadhi, Indah Dwi Pratiwi, Nur Aini, Erma Wahyu Mashfufa, Faizul Hasan, Chiu, H. Y. (2019). Gender differences in the relationships between sleep disturbances and academic performance among nursing students: A cross-sectional study. *Nurse Education Today*. 85, 104270.

Kuo, S. Y., Chen, Y. T., Chang, Y. K., Lee, P. H., Liu, M. J., & Chen, S. R. (2018). Influence of internet addiction on executive function and learning attention in Taiwanese school-aged children. *Perspectives in psychiatric care*, 54(4), 495-500.

Khwepeya, M., Lee, G. T., Chen, S. R., & **Kuo, S. Y.*** (2018). Childbirth fear and related factors among pregnant and postpartum women in Malawi. *BMC Pregnancy and Childbirth*, 18(1), 391.

Lee, W. Y., & **Kuo, S. Y.*** (2018). Anesthetic Care of Patient with Heroin Addiction: A Case Report. *The Journal of Nursing*, 65(2), 100-108.

Kuo, S. Y., & Au, H. K. (2018). Mindfulness and anxiety symptoms in pregnant women. *Revue d'Épidémiologie et de Santé Publique*, 66, S420.

Wu, J. C., **Kuo, S. Y.*** (2018). Medical Simulation Education-Essentials of Clinical Teaching. *New Taipei Journal of Nursing*, 20(1):1-9

Grants

Project	Funding	Active	Host
Effective Care Measures to Reduce Breast Swelling in Women During Lactation-systematic Literature Review	Taiwan Nurses Association	2019/02/01 2019/12/15	PI
Development of Integrative Clinical Reasoning Simulation Education	Ministry of Education	2018/08/01 2019/07/31	PI
Trajectory of Psychological Distress Among Infertility Women: Efficacy and Mechanism of Mind-body Intervention with Heart Rate Variability Biofeedback	Ministry of Science and Technology	2018/08/01 2021/07/31	PI
Empower Breastfeeding: Effects of an Integrated Breastfeeding Education Program on Optimal Breastfeeding Practice	Ministry of Science and Technology	2017/08/01 2010/07/31	PI
Reducing Fear of Childbirth Among Pregnant Women: Women's Lived Experience, Predictors, and Effects of Mindfulness-based Childbirth Education	Ministry of Science and Technology	2015/08/01 2016/07/31	PI





A.P.

Chiu, Hsiao-Yean

Deputy Director of School of Nursing

Dr. Chiu currently focuses on symptom managements (e.g., sleep disturbances, fatigue, delirium, and cognitive deficits) in patients with brain injury by using nonpharmacological interventions. Exploring issues regarding sleep disturbances and cognitive impairments using meta-analysis approach are also her interests.

Research Focus

- ☐ Neurosurgical and critical nursing
- ☐ Sleep disturbances management
- ☐ Neurofeedback in symptom management
- ☐ Meta-analysis

Staff and Contact Information

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Major Achievements

1. The MOST Ta-You Wu Memorial Award 2017
2. Sigma Theta Tau International Honor Society of Nursing--The Emerging Nurse Researcher Award 2018
3. The Taipei Medical University Young Scholar Research Award 2019

Publications

Marta, O., Kuo, S. Y., J. Bloomfield, Lee, H. C., F. Hasan, **Chiu, H. Y.** * (2019). Gender Differences in the Relationships between Sleep disturbances and Academic Performance among Nursing Students: A Cross-sectional Study. *Nurse Education Today*, 85, 104270.

Wei, L., Wen, Y. T., H. J. Thompson, Liu, C. Y., **Chiu, H. Y.** * (2019). Sleep disturbances following traumatic brain injury in older adults: a comparison study. *Journal of Head Trauma Rehabilitation*.

Chi, N. F., Huang, Y. C., **Chiu, H. Y.**, Chang, H. J., Huang, H. C. (2019). Systematic review and meta-Analysis of home-based rehabilitation on improving physical function among home-dwelling patients with a stroke. *Archives of Physical Medicine and Rehabilitation*, 101(2), 359-373.

Tang, M. F., **Chiu, H. Y.**, Xu, X., Kwok, J. Y., Cheung, D. S. T., Chen, C. Y., & Lin, C. C. (2019). Walking is more effective than yoga at reducing sleep disturbance in cancer patients: A systematic review and meta-analysis of randomized controlled trials. *Sleep Medicine Reviews*, 47, 1-8.

Chipojola, R., Lee, G. T., **Chiu, H. Y.**, Chang, P. C., & Kuo, S. Y. (2019). Determinants of breastfeeding practices among mothers in Malawi: a population-based survey. *International Health*, 12(2), 132-141.

Liu, J. W., Tu, Y. K., Lai, Y. F., Lee, H. C., Tsai, P. S., Chen, T. J., ... & **Chiu, H. Y.*** (2019). Associations between sleep disturbances and suicidal ideation, plans, and attempts in adolescents: a systematic review and meta-analysis. *Sleep Medicine Reviews*, 42(6), 119-126.

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Wu, C. R., Chen, P. Y., Hsieh, S. H., Huang, H. C., Chen, Y. T., Chen, T. J., & **Chiu, H. Y.*** (2019). Sleep mediates the relationship between depression and cognitive impairment in older men. *American Journal of Men's Health*, 13(1),

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Chiu, H. Y., Lee, H. C., Chen, P. Y., Lai, Y. F., & Tu, Y. K. (2018). Associations between sleep duration and suicidality in adolescents: A systematic review and dose–response meta-analysis. *Sleep Medicine Reviews*, 42, 119-126.

Chiu, H. Y., Huang, C. J., Fan, Y. C., & Tsai, P. S. (2018). Insomnia but not hypnotics use associates with the risk of breast cancer: a population-based matched cohort study. *Journal of Women's Health*, 27(10), 1250-1256.

Chiu, H. Y., Li, W., Lin, J. H., Su, Y. K., Lin, E. Y., & Tsai, P. S. (2018). Measurement properties of the Chinese version of the Mental Fatigue Scale for patients with traumatic brain injury. *Brain Injury*, 32(5), 652-664.

Chiu, H. Y., Chen, P. Y., Chen, Y. T., & Huang, H. C. (2018). Reality orientation therapy benefits cognition in older people with dementia: A meta-analysis. *International Journal of Nursing Studies*, 86, 20-28.

Thakur, S. S., Abdul, S. S., Chiu, H. Y. S., Roy, R. B., Huang, P. Y., Malwade, S., **Chiu, H. Y.**, ... & Li, Y. C. J. (2018). Artificial-intelligence-based prediction of clinical events among hemodialysis patients using non-contact sensor data. *Sensors*, 18(9), 2833.

Lin, E. Y., Chen, P. Y., Tsai, P. S., Lo, W. C., & **Chiu, H. Y.*** (2018). Trajectory of health-related quality of life and its determinants in patients who underwent lumbar spine surgery: a 1-year longitudinal study. *Quality of Life Research*, 27(9), 2251-2259.

Huang, H. C., Chen, M. Y., Hsieh, L. W., **Chiu, H. Y.**, Miao, N. F., Wu, C. S., & Lin, K. C. (2018). Validation of a symptoms distress scale in a cirrhotic population using item response theory. *Nursing Research*, 67(5), 359-368.

Grants

Project	Funding	Active	Host
The Impact of Chronic Sleep Deprivation on Neurocognition, Mood and Stress Regulation Among Adolescents: Observational Follow-Up and Intervention Studies of Healthy Adolescent Cohorts	Ministry of Science and Technology	2019-08-01 2020-07-31	CO-PI
Effects of Music Therapy on Reducing Delirium in Mechanically Ventilated Adults in Intensive Care Unit: a Randomized Controlled Trial	Shuang Ho Hospital, Ministry of Health and Welfare	2019-05-01 2020-04-30	CO-PI
Development and Validation of the Low Back Sng Inventory in Patients with Lumbar Degenerative Spine Diseases	Taipei Medical University Hospital	2019-05-01 2021-04-30	CO-PI
Changes in Cognitive Functions in Patients with Recovery Stage of Traumatic Brain Injury: Effects and Mechanism of Neurofeedback	Ministry of Science and Technology	2017/08/01 2020/10/31	PI
Prevalence, Risk Factors, and Impacts of Sleep Disturbances in Older Adults Following Traumatic Brain Injury	Taipei Municipal Wanfang Hospital	2017-08-01 2019-07-31	CO-PI
Comparative Effectiveness and Safety of Hypnotics for Insomnia in Elderly People: A Network Metaanalysis	Shin Kong Wu Ho-Su Memorial Hospital	2017/03/01 2019/02/28	PI



A. P.
Chang, Pi-Chen

Research Focus

- ☐ Pediatric nursing
- ☐ Health promotion for adolescent

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Publications

Dwi Susanti, H., **Chang, P. C.**, & Chung, M. H. (2019). Construct validity of the Menopause Rating Scale in Indonesia. *Climacteric*, 22(5), 454-459.

Chipojola, R., Lee, G. T., Chiu, H. Y., Chang, P. C., & Kuo, S. Y. (2020). Determinants of breastfeeding practices among mothers in Malawi: a population-based survey. *International Health*, 12(2), 132-141.

Yang, H. L., Chu, H., Miao, N. F., **Chang, P. C.**, Tseng, P., Chen, R., Chiu, H. L., Banda, K. J., Chou, K. R.* (2020). The Construction and Evaluation of Executive Attention Training to Improve Selective Attention, Focused Attention, and Divided Attention for Older Adults with Mild Cognitive Impairment: A Randomized Controlled Trial. *The American Journal of Geriatric Psychiatry*, Epub.

Yang, H. L., Chu, H., Miao, N. F., **Chang, P. C.**, Tseng, P., Chen, R., ... & Chou, K. R. (2019). The Construction and Evaluation of Executive Attention Training to Improve Selective Attention, Focused Attention, and Divided Attention for Older Adults with Mild Cognitive Impairment: A Randomized Controlled Trial. *The American Journal of Geriatric Psychiatry*, 27(11), 1257-1267.

Yang, H. L., Chan, P. T., **Chang, P. C.**, Chiu, H. L., Hsiao, S. T. S., Chu, H., & Chou, K. R. (2018). Memory-focused interventions for people with cognitive disorders: A systematic review and meta-analysis of randomized controlled studies. *International Journal of Nursing Studies*, 78, 44-51.

Chiu, H. L., Chan, P. T., Kao, C. C., Chu, H., **Chang, P. C.**, Hsiao, S. T. S., ... & Chou, K. R. (2018). Effectiveness of executive function training on mental set shifting, working memory and inhibition in healthy older adults: A double-blind randomized controlled trials. *Journal of Advanced Nursing*, 74(5), 1099-1113.





**A. P.
Chen, Su-Ru**

Dr. Chen focuses on internet addiction issue, especially in children. Recently, the research entitled “Outcome Evaluation of Self-Reflection Education and Parent-Child Interaction on Screen-Based Activity in Preschool Children” The results will help to understand the influence of internet addiction on school-aged children, but also provide empirical evidence for health care providers to improve children’s internet addiction in the future.

Research Focus

- ☐ Pediatric nursing
- ☐ Exercise training in obese children
- ☐ Heart rate variability analysis
- ☐ Internet addiction research
- ☐ Type 1 care research

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Post-Baccalaureate Program in Nursing

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Publications

Lee, P. H., Kuo, S. Y., Ou, T. S., Lin, Y. K., Chi, M. J., **Chen, S. R.**, ... & Lai, H. R. (2019). Predicting exercise intentions and behaviors of Taiwanese children in a longitudinal sample. *Journal of Pediatric Nursing*.

Wang, C. C., Alderman, B., Wu, C. H., Chi, L., **Chen, S. R.**, Chu, I. H., & Chang, Y. K. (2019). Effects of acute aerobic and resistance exercise on cognitive function and salivary cortisol responses. *Journal of Sport and Exercise Psychology*, 41(2), 73-81.

Chen, S. R., Chiu, H. T., Lin, L. M., & Lin, P. C. (2019). Preceptors' Subjective Competency Ratings in Acute Care Hospitals in Taiwan. *The Journal of Continuing Education in Nursing*, 50(2), 69-78.

Chen, S. H., Lai, H. R., **Chen, S. R.**, Lin, P. C., Chou, K. R., & Lee, P. H. (2019). Validity and reliability of a Chinese-language instrument for continuous assessment of exercise stages of change in adults. *The Journal of Nursing Research*, 27(4), e37.

Tou, Y. H., Liu, M. F., **Chen, S. R.**, Lee, P. H., Kuo, L. M., & Lin, P. C. (2019). Investigating missed care by nursing aides in Taiwanese long-term care facilities. *Journal of Nursing Management*.

Lin, P. C., Lee, P. H., Tseng, S. J., Lin, Y. M., **Chen, S. R.**, & Hou, W. H. (2019). Effects of aromatherapy on sleep quality: A systematic review and meta-analysis. *Complementary Therapies in Medicine*, 45, 156-166.

Kuo, S. Y., Chen, Y. T., Chang, Y. K., Lee, P. H., Liu, M. J., & **Chen, S. R.*** (2018). Influence of internet addiction on executive function and learning attention in Taiwanese school-aged children. *Perspectives in Psychiatric Care*, 54(4), 495-500.

Khwepeya, M., Lee, G. T., **Chen, S. R.**, & Kuo, S. Y. (2018). Childbirth fear and related factors among pregnant and postpartum women in Malawi. *BMC Pregnancy and Childbirth*, 18(1), 391.

Grants

Project	Funding	Active	Host
Construction and Evaluation of the Effectiveness of Self-management Training Programs on Internet Addiction in School-age Children	Ministry of Science and Technology	2018/08/01 2019/10/01	PI
Outcome Evaluation of Self-Reflection Education and Parent-Child Interaction on Screen-Based Activity in Preschool Children	Ministry of Science and Technology	2016/08/01 2018/07/31	PI



**A. P.
Chi, Mei-Ju**

The main direction of my research is the health and medical use of the elderly. In recent years, I have started to focus on elderly people who have been discharged from hospitals. I have discussed their health and social service needs, as transitional care, and arrangements after discharge, and targeted elderly people who were evaluated as high-risk discharged patients to follow up the long-term impact of them on health and medical utilization.

Research Focus

- ☐ Health policy
- ☐ Medical utilization among elderly
- ☐ Long-term care
- ☐ Survey research
- ☐ Quantitative research
- ☐ Need assessment of elderly health

Staff and Contact Information

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Publications

Fang, H. F., Lee, T. Y., Hui, K. C., Yim, H. C. H., **Chi, M. J.***, & Chung, M. H*. (2019). Association between Sedative-hypnotics and Subsequent Cancer in Patients with and without Insomnia: A 14-year Follow-up Study in Taiwan. *Journal of Cancer*, 10(10), 2288-2298.

Chen, I. H., Yeh, T. P., Yeh, Y. C., **Chi, M. J.**, Chen, M. W., Chou, K. R., ... & Yuan, C. F. (2019). Effects of Acupressure on Sleep Quality and Psychological Distress in Nursing Home Residents: A Randomized Controlled Trial. *Journal of the American Medical Directors Association*, 20(7), 822-829.

Lee, P. H., Kuo, S. Y., Ou, T. S., Lin, Y. K., **Chi, M. J.**, Chen, S. R., ... & Lai, H. R. (2019). Predicting exercise intentions and behaviors of Taiwanese children in a longitudinal sample. *Journal of Pediatric Nursing*.

Lin, C. E., Chung, C. H., Chen, L. F., & **Chi, M. J.*** (2018). Increased risk of dementia in patients with Schizophrenia: A population-based cohort study in Taiwan. *European Psychiatry*, 53, 7-16.

Grants

Project	Funding	Active	Host
Long-term Impact of Discharge Destinations and Transitional Care Uses on Health and Medical Utilization for High-risk Discharged Older Adults.	Ministry of Science and Technology	2019/08/01 2020/07/01	PI
Need Assessment and Follow-Up of Discharge Planning Referral to Post-Acute Care for Aged Patients	Ministry of Science and Technology	2018/08/01 2019/07/01	PI
Need Assessment and Follow-Up of Discharge Planning Referral to Post-Acute Care for Aged Patients	Ministry of Science and Technology	2017/08/01 2018/07/31	PI



**A. P.
Chuang, Yeu-Hui**

Dr. Chuang's studies focus on improving care of older people, especially for the older adults living in the long-term care facilities. Use of advanced information technologies for improving patients' health outcomes is also Dr. Chuang's research interests. Moreover, she is also interested in developing teaching and learning strategies for promoting nursing students' learning outcomes. In addition to quantitative studies, Dr. Chuang is also good at qualitative research design, methodologies, and methods.

Research Focus

- ☐ Care for older adults
- ☐ Depressive symptoms
- ☐ Loneliness
- ☐ Nursing education

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Major Achievements

1. 2019 Instructional Design Award, Taipei Medical University
2. 2018 Distinguished Teacher Award, Taiwan Association of Nursing Education
3. 2017 Excellent Teacher Award, Taipei Medical University
4. 2014 Excellent Teacher Award, Taipei Medical University

Publications

Lee, C. C., Tseng, H. C., Wu, L. P., & **Chuang, Y. H.*** (2019). Multiple brief training sessions to improve nurses' knowledge, attitudes, and confidence regarding nursing care of older adults with depression in long-term care facilities. *Research in Nursing & Health*.

Wang, S. Y., **Chuang, Y. H.***, Liu, J. F., & Chang, Y. Y. (2019). Family of cancer patients responses and actions to people with cancer who use complementary and alternative medicine-A qualitative study in Taiwan. *Holistic Nursing Practice*.

Kuo, C. L., Wang, S. Y., Tsai, C. H., Pan, Y. F., & **Chuang, Y. H.*** (2019). Nurses' perceptions regarding providing psychological care for older residents in long-term care facilities: A qualitative study. *International Journal of Older People Nursing*, 14(3), e12242.

Chuang, Y. H.*, & Kuo, L. M. (2018). Nurses' confidence in providing and managing care for older persons with depressive symptoms or depression in long-term care facilities: A national survey. *International Journal of Mental Health Nursing*, 27(6), 1767-1775.

Chuang, Y. H.*, Lai, F. C., Chang, C. C., & Wan, H. T. (2018). Effects of a skill demonstration video delivered by smartphone on facilitating nursing students' skill competencies and self-confidence: A randomized controlled trial study. *Nurse Education Today*, 66, 63-68.

Hu, S. H., **Chuang, Y. H.***, Ting, Y. F., Lin, K. Y., & Hsieh, C. J. (2018). Prevalence of depressive symptoms in older nursing home residents with intact cognitive functions in Taiwan. *Research in Nursing & Health*, 41(3), 292-300.

Hu, S. H., Yang, Z. L., **Chuang, Y. H.**, & Liu, M. F. (2018). Registered nurses' knowledge of medical care for older adults with diabetes in long-term care facilities in Taiwan. *Collegian*, 25(3), 271-275.

Chen, I. H., Lin, K. Y., Hu, S. H., **Chuang, Y. H.**, Long, O. O., Chang, C. C., & Liu, M. F. (2018). Palliative care for

advanced dementia: Knowledge and attitudes of long-term care staff. *Journal of Clinical Nursing*, 27(3-4), 848-858.

Wang, S. Y., Hsieh, C. Y., **Chuang, Y. H.**, & Chen, H. H. (2018). Ischemic stroke patients' decision-making process in their use of western medicine and alternative and complementary medicine. *Holistic Nursing Practice*, 32(1), 17-26.

Grants			
Project	Funding	Active	Host
Augmented Self and Networked Generations: Development and Application of Narrative AI with the Retired Generation as Its Main Object- From VR Through to Narrative Bot	Ministry of Science and Technology	2018/08/01 2020/07/31	Co-PI
A Model of Caregiving Trajectories for Family Caregivers Caring for Persons with Early-Onset Dementia: A Grounded Theory Approach	Ministry of Science and Technology	2019/08/01 2020/07/31	Co-PI
Establishment and Evaluation of a Dietary Pattern Intervention on Changes in Cognitive Function in Elderly with Mild Cognitive Impairment and Dementia.	Ministry of Science and Technology	2018/08/01 2020/04/30	Co-PI
Effect of a Leader Empowering Behaviors Intervention on Staff Nurse and Resident Well-being in Long-Term Care Settings	Ministry of Science and Technology	2016/08/01 2018/07/31	Co-PI
Applying ADDIE Model in Developing Educational Program About Depressive Symptoms Among Older Residents for Nurses in Long-Term Care Facilities	Ministry of Science and Technology	2015/08/01 2018/07/31	PI





A.P.
Chen, I-Hui

Dr. Chen is interested in how the quality of care influences quality of elderly life in communities and long-term care settings. Especially, she looks at how workforce issues contribute to the quality of care for residents in long-term care settings. Since the workforce issue, involving personnel turn over, is one significant contributor to nursing staff quality of working life. In addition, she currently focuses on how alternative therapies influence institutional resident physical and psychical health.

Research Focus

- ☐ Long-term care
- ☐ Community health nursing
- ☐ Gerontology and geriatrics quantitative research

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Publications

Chen, I. H., Yeh, T. P., Yeh, Y. C., Chi, M. J., Chen, M. W., Chou, K. R., ... & Yuan, C. F. (2019). Effects of Acupressure on Sleep Quality and Psychological Distress in Nursing Home Residents: A Randomized Controlled Trial. *Journal of the American Medical Directors Association*, 20(7), 822-829.

Chen, I. H., Hsu, S. M., Wu, J. S. J., Wang, Y. T., Lin, Y. K., Chung, M. H., ... & Miao, N. F. (2019). Determinants of nurses' willingness to receive vaccines: Application of the health belief model. *Journal of Clinical Nursing*, 28(19-20), 3430-3440.

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Hsiao, Y. L., Lee, J. J., Kuo, S. F., Yeh, Y. C., & **Chen, I. H.*** (2018). Intentions to use long-term care: Exploring the Y generation. *International Journal of Healthcare Management*, 1-7.

Grants

Project	Funding	Active	Host
Effects of Acupressure Intervention on Cognitive Function and Quality of Life in Older Adults with Cognitive Impairment in Long-term Care Settings: A Cluster-Randomized Controlled Trial (1/2)	Ministry of Science and Technology	2019/08/01 2020/07/31	PI

Effectiveness of Music and Physical Fitness on Residents' well-being in Long-term Care Institutions	Other	2019/01/01 2019/12/15	PI
Establishment and Evaluation of a Dietary Pattern Intervention on Changes in Cognitive Function in Elderly with Mild Cognitive Impairment and Dementia.	Ministry of Science and Technology	2018/08/01 2020/04/30	PI
Quality of Life, Coping and Physical-Psychological Distress among Women Newly Diagnosed with Ovarian Cancer: A Longitudinal Mixed Methods Study	Ministry of Science and Technology	2017/08/01 2018/07/31	PI
Effect of High-Tech Wearable Devices on the Quality of Life of Community Elders.	Ministry of Science and Technology	2017/07/01 2018/02/28	PI
Effect of a Leader Empowering Behaviors Intervention on Staff Nurse and Resident Well-being in Long-Term Care Settings	Ministry of Science and Technology	2016/08/01 2018/07/31	PI





A. P.
Huang, Hui-Chuan

Dr. Huang is interested in mental health and health promotion in patients with chronic disease. Her recent study focuses on developing and evaluating the effect of a Self-Management with APP and Reminder Technology model on the improvement of physical and psychological adaptations in a cirrhotic population.

Research Focus

- ☐ Community health nursing
- ☐ Health promotion
- ☐ Mental health care of chronic disease
- ☐ Self-management of chronic disease

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Publications

Huang, H. C., Chiang, H. P., Hsu, N. W., Huang, C. F., Chang, S. H., & Lin, K. C. (2019). Differential risk group of developing stroke among older women with gouty arthritis: A latent transition analysis. *European Journal of Clinical Investigation*, 49(5), e13090.

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Maseko, T. N., **Huang, H. C.**, & Lin, K. C. (2019). Cervical cancer screening behavior of African women: The Rosenstock health belief model assessment. *Health Care for Women International*, 1-16.

Wu, C. R., Chen, P. Y., Hsieh, S. H., **Huang, H. C.**, Chen, Y. T., Chen, T. J., & Chiu, H. Y. (2019). Sleep mediates the relationship between depression and cognitive impairment in older men. *American Journal of Men's Health*, 13(1), 1557988319825765.

Liu, J. W., Tu, Y. K., Lai, Y. F., Lee, H. C., Tsai, P. S., Chen, T. J., **Huang, H. C.**, ... & Chiu, H. Y. (2019). Associations between sleep disturbances and suicidal ideation, plans, and attempts in adolescents: a systematic review and meta-analysis. *Sleep*, 42(6), zsz054.

Huang, H. C., Lin, K. C., Wu, C. S., Miao, N. F., & Chen, M. Y. (2018). Health-promoting behaviors benefit the mental health of cirrhotic outpatients. *Quality of Life Research*, 27(6), 1521-1532.

Huang, H. C., Chen, M. Y., Hsieh, L. W., Chiu, H. Y., Miao, N. F., Wu, C. S., & Lin, K. C. (2018). Validation of a symptoms distress scale in a cirrhotic population using item response theory. *Nursing Research*, 67(5), 359-368.

Shyu, M. L., **Huang, H. C.**, Wu, M. J., & Chang, H. J. (2018). Development and validation of the Self-Awareness of Falls in Elderly Scale among elderly inpatients. *Clinical Nursing Research*, 27(1), 105-120.

Lan, C. C., Yang, M. C., **Huang, H. C.**, Wu, C. W., Su, W. L., Tzeng, I. S., & Wu, Y. K. (2018). Serial changes in exercise capacity, quality of life and cardiopulmonary responses after pulmonary rehabilitation in patients with chronic obstructive pulmonary disease. *Heart & Lung*, 47(5), 477-484.

Chiu, H. Y., Chen, P. Y., Chen, Y. T., & **Huang, H. C.*** (2018). Reality orientation therapy benefits cognition in older people with dementia: A meta-analysis. *International Journal of Nursing Studies*, 86, 20-28.

Grants

Project	Funding	Active	Host
Effectiveness of Constructing and Evaluating SMART Care Model to Promote Physiological and Psychological Adaptation in Patients with Liver Cirrhosis	Ministry of Science and Technology	2018/08/01 2019/07/01	PI



A.P.
Huang, Tsai-Wei

Dr. Huang focuses on oncology nursing especially on symptom management and hospice care. Recently, the research title "Quantifying fatigue in cancer patients using smart bracelet devices". Fatigue may present as decayed physiology and thus may be measured directly through devices in addition to self-assessed subjective reporting. Because no objective and easy to use measuring method is currently available. This project expects to enroll 60 cancer patients, 60 healthy people and their subjective-objective measurements on fatigue, stress, and total steps will be validated so that the information can be used in further care and improvement of life of quality of the patients.

Research Focus

- ☐ Oncology nursing
- ☐ Hospice care
- ☐ Evidence based health care

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Major Achievements

1. 2018 Bronze Medal for Invention & Innovation Awards Malaysia Technology Expo. Hearing Impaired Savior (Portable Sound Volume Detecting and Indicating Device)

Publications

Huang, T.W., Wu, G. H., & Chang, H. C. (2019). Flow Experience and Self-Traits as Antecedents of Facebook Addiction: Factorial Validity of the Daily Facebook Addiction Scale. *International Business Research*, 12(1), 1-15.

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Huang, H. M., Lai, J. H., & **Huang, T. W.*** (2019). Mediating effects of depression on anxiety and leisure constraints in patients with breast cancer. *BMC women's health*, 19(1), 1-8.

Chang, H. C., Lin, C., & **Huang, T. W.*** (2019). Concept Analysis of Health Promotion in Cancer Survivors. *The Journal of Oncology Nursing*.

Sheu, Y. J., Yu, S. W., **Huang, T. W.**, Liu, F. L., Lin, Y. K., & Tam, K. W. (2019). Comparison of the efficacy of a bougie and stylet in patients with endotracheal intubation: A meta-analysis of randomized controlled trials. *Journal of Trauma and Acute Care Surgery*, 86(5), 902-908.

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Huang, K. L., Lin, K. Y., **Huang, T. W.**, Loh, E. W., Hua, Y. M., Su, H. C., & Tam, K. W. (2019). Prophylactic management for taxane-induced nail toxicity: A systematic review and meta-analysis. *European journal of cancer care*, 28(5), e13118.

Liu, T. M., Luo, Y. W., Tam, K. W., Lin, C. C., & **Huang, T. W.*** (2019). Prophylactic and therapeutic effects of honey on radiochemotherapy-induced mucositis: A meta-analysis of randomized controlled trials. *Supportive Care in Cancer*, 1-10.

Chou, J. H., Chen, S. Y., Chen, Y. T., Hsieh, C. H., **Huang, T. W.**, & Tam, K. W. (2019). Optimal duration of compression stocking therapy following endovenous thermal ablation for great saphenous vein insufficiency: A meta-analysis. *International Journal of Surgery*.

Tam, K. W., Chen, L., Lin, C. C., **Huang, T. W.**, Kuan, Y. C., Huang, Y. H., ... & Su, C. M. (2019). Reply to correspondence concerning" Acupuncture on aromatase inhibitor-induced arthralgia in patients with breast cancer". *Breast (Edinburgh, Scotland)*, 45, 119.

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Chao, C. H., **Huang, T. W.**, Chen, C. F., Chen, K. H.* (2019). Choosing Wisely in Cancer Nursing: Literature Review.13(3), 5-12.

Shih, H.F., Chen, N.W., Li, H.I., **Huang, T.W.*** (2018). Effects of Progressive Muscle Relaxation on Anxiety, Depression, Nausea and Vomiting in Cancer Patients: A Systematic Review and Meta-analysis of Randomized Controlled Trials.

Huang, T. W., & Chiang, C. I. (2018). Barriers About Hospice: Exploring Perception and Barriers for Healthcare Providers. *8th Hong Kong International Nursing Forum cum 2018 International Council on Women's Health Issues Congress, Hong Kong, China*.

Hou, W. H., Wu, T., **Huang, T. W.**, & Hsu, C. (2018). Rasch analysis of the 9-item Shared Decision Making Questionnaire for women with breast cancer. 221-222. *The 25th Cochrane Colloquium, Edinburgh, England*.

Huang, T. W., & Lai, J. H. (2018). The effects of muscle relaxation therapy in reducing head and neck cancer postoperative induced fatigue and sleep quality -a randomized controlled trial. *Annual Meeting on Supportive Care in Cancer, Vienna, Austria*.

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Huang, T. W., Chen, Y. C., Hsieh, H. T., Chang, H. C. (2018). Development of Pressure Sensing Technology for Caring Senior Inpatients.

Grants			
Project	Funding	Active	Host
Use of Non-invasive Creative Art Therapy to Improve the Spiritual Health of Advanced Patients	Ministry of Science and Technology	2020/01/01 2020/12/31	PI
Quantifying Fatigue in Cancer Patients Using Smart Bracelet Devices	Ministry of Science and Technology	2019/11/01 2020/10/31	PI
Effectiveness of Using the Brush Monster APP to Create Oral Health Programs for Cancer-related Mucositis	Ministry of Science and Technology	2019/07/01 2020/02/28	PI
Virtual Reality Application in Chemotherapy	Wan Fang Hospital	2018/03/01 2019/02/28	CO-PI
Development of Immediate Anti-drop Pressure Sensing System for Caring Senior Inpatients MOST	Ministry of Science and Technology	2017/11/01 2018/10/31	CO-PI
The Effects of Relaxation Therapy in Reducing Head and Neck Cancer Postoperative Induced Pain 、 Fatigue and Sleep Quality	Taipei Medical University	2017/10/01 2018/09/30	PI



**A. P.
Lai, Fu-Chih**

Research Focus

- ☐ Accreditation of hospital and long term care facility
- ☐ International classification of functioning Health and disability
- ☐ Critical, emergency, medical & surgical nursing
- ☐ Disaster nursing
- ☐ Nursing care quality
- ☐ Simulation & virtual reality in nursing education

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Publications

Tomisawa, T., Nanashima, N., Kitajima, M., Mikami, K., Takamagi, S., Maeda, H., Horie, K., **Lai, F. C.** & Osanai, T. (2019). Effects of Blackcurrant Anthocyanin on Endothelial Function and Peripheral Temperature in Young Smokers. *Molecules*, 24(23), 4295.

Lin, C. F., **Lai, F. C.**, Huang, W. R., Huang, C. I., Hsieh, C. J. (2019, Oct). Satisfaction with the Quality Nursing Work Environment Among Psychiatric Nurses Working in Acute Care General Hospitals. *Journal of Nursing Research*, doi: 10.1097/jnr.0000000000000350.

Chuang, Y. H., **Lai, F. C.**, Chang, C. C., & Wan, H. T. (2018). Effects of a skill demonstration video delivered by smartphone on facilitating nursing students' skill competencies and self-confidence: A randomized controlled trial study. *Nurse Education Today*, 66, 63-68.

Dang, T. L., **Lai, F. C.**, Lin, Y. K., Chou, K. R., Miao, N. F., & Liao, Y. M. (2018). Psychometric Evaluation of the Vietnamese Hemodialysis Stressor Scale. *Clinical Nursing Research*, 27(3), 364-385.

Chen, M. S., Chen, S. H., **Lai, F. C.**, Chen, C. Y., Hsieh, M. Y., Chang, W. J., ... & Lin, C. K. (2018). Sintering temperature-dependence on radiopacity of Bi (2- x) ZrxO (3+ x/2) powders prepared by sol-gel process. *Materials*, 11(9), 1685.

Tsai, C. Y., Li, I. C., & **Lai, F. C.*** (2018). Substantial effects of empowerment case management on physical health of type 2 diabetic patients. *Journal of Clinical Nursing*, 27(7-8), 1632-1640.

Grants

Project	Funding	Active	Host
Disaster Nursing in Taiwan: 3-year Plan on Development of Core Competency Building and Core Competency Readiness Assessment	Ministry of Science and Technology	2018/08/01 2019/10/01	PI
Effect of a Leader Empowering Behaviors Intervention on Staff Nurse and Resident Well-Being in Long-Term Care Settings	Ministry of Science and Technology	2016/08/01 2018/07/31	CO-PI



A. P.
Liu, Fang

Dr. Liu focuses on the effectiveness of case management on chronic illness, cancer or dementia; she also explores the attitude and knowledge of the patient, caregivers and medical staff on dementia, end-of-life situations and long-term care in order to design person-center interventions effectively.

Research Focus

- ☐ Geriatric mental health
- ☐ Caregivers of persons with dementia
- ☐ Long-term care
- ☐ End-of-life care

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Publications

- Ho, M. H., **Liu, M. F.**, & Chang, C. C. (2019). A preliminary study on the oral health literacy and related factors of community mid-aged and older adults. *Hu Li Za Zhi*, 66(1), 38-47.
- Joo, J. Y., & **Liu, M. F.** (2019). Case management effectiveness for managing chronic illnesses in Korea: a systematic review. *International Nursing Review*, 66(1), 30-42.
- Tou, Y. H., **Liu, M. F.**, Chen, S. R., Lee, P. H., Kuo, L. M., & Lin, P. C. (2019). Investigating missed care by nursing aides in Taiwanese long-term care facilities. *Journal of Nursing Management*.
- Yeh, Y. T., Lin, Y. F., & **Liu, M. F.***(2019). Effects of TimeSlips on Depressive Symptoms and Quality of Life in People with Dementia in Day Care Centers. *Hu Li Za Zhi*, 66(6), 65-72.
- Ho, M. H., Wang, C. H., Joo, J. Y., Chang, H. C. R., Chang, C. C., & **Liu, M. F. *** (2019). Predictors of emergency department use among community-dwelling older adults. *Journal of gerontological nursing*, 45(5), 31-38.
- Ho, M. H., Chang, H. C., Lin, Y. K., Traynor, V., Tsai, H. H., Buckwalter, K., **Liu, M. F., *** ... & Chang, C. C. (2019). Application of the Integrated Behavioral Model to oral self-care behavior of community-dwelling middle-aged and older people in Taiwan. *Public Health Nursing*, 36(5), 726-734.
- Ho, M. H., Chen, K. H., Montayre, J., **Liu, M. F.**, Chang, C. C., Traynor, V., Shen Hsiao, S. T., Chang, H. C. R. & Chiu, H. Y., (2019). Diagnostic test accuracy meta-analysis of pre-deliric (prediction of delirium in ICU patients): A delirium prediction model in intensive care practice. *Intensive and Critical Care Nursing*. 102784.
- Syed-Abdul, S., Malwade, S., Nursetyo, A. A., Sood, M., Bhatia, M., Barsasella, D., **Liu, M. F., *** ... & Li, Y. C. J. (2019). Virtual reality among the elderly: a usefulness and acceptance study from Taiwan. *BMC geriatrics*, 19(1), 223.
- Ho, M. H., Montayre, J., Chang, H. C., Joo, J. Y., Naghibi Sistani, M. M., Lin, Y. K., ... & **Liu, M. F.***(2019). Validation and evaluation of the Mandarin version of the oral health literacy adult questionnaire in Taiwan. *Public Health Nursing*.
- Joo, J. Y., & **Liu, M. F.** (2019). Experience of Culturally-Tailored Diabetes Interventions for Ethnic Minorities: A Qualitative Systematic Review. *Clinical Nursing Research*.

Joo, J. Y., & **Liu, M. F.** (2019). Nurses' Barriers to Care of Ethnic Minorities: A Qualitative Systematic Review. *Western Journal of Nursing Research*.

Joo, J. Y., & **Liu, M. F.***(2018). Effectiveness of Nurse-Led Case Management in Cancer Care: Systematic Review. *Clinical Nursing Research*, 28(8), 968-991.

Joo, J. Y., & **Liu, M. F.***(2018). Experiences of case management with chronic illnesses: a qualitative systematic review. *International Nursing Review*, 65(1), 102-113.

Chen, I. H., Lin, K. Y., Hu, S. H., Chuang, Y. H., Long, C. O., Chang, C. C., & **Liu, M. F.*** (2018). Palliative care for advanced dementia: Knowledge and attitudes of long-term care staff. *Journal of Clinical Nursing*, 27(3-4), 848-858.

Hu, S. H., Yang, Z. L., Chuang, Y. H., & **Liu, M. F.*** (2018). Registered nurses' knowledge of medical care for older adults with diabetes in long-term care facilities in Taiwan. *Collegian*, 25(3), 271-275.

Grants

Project	Funding	Active	Host
Community Activity Location (3.0) Funded by the Department of Social Welfare, Taipei City Government	Department of Social Welfare, Taipei City Government	2019/03/06 2019/12/31	PI
Care Plan for Prevention and Delay the Onset of Disabilities (Community)	Other	2019/03/06 2016/12/31	PI
Humanities, Society and Science Technology Promising Talent Cultivation Plan for Senior, Social and Science-cross-field Talent Cultivation: Industry-academia Talent Cycle Module	Ministry of Education	2019/02/01 2019/08/01	PI
Community Activity Location (5.0) Funded by the Department of Social Welfare, Taipei City Government	Department of Social Welfare, Taipei City Government	2019/01/01 2019/12/31	PI
Care Plan for Prevention and Delay the Onset of Disabilities (Da'an Ageing Service and Research Center)	Other	2019/01/01 2019/12/31	PI
Design Thinking and Interdisciplinary Cultivation Project	Ministry of Education	2017/10/01 2018/09/30	PI





**A. P.
Miao, Nae-Fang**

Dr. Miao focuses on Substance Abuse issues especially on Tobacco control in Adolescents. Recently, the research entitle is “Emerging tobacco products: Exploring, developing and evaluating”. The major aim was to develop, conduct and evaluate the Emerging tobacco products preventive education intervention program for Taiwanese youths

Research Focus

- ☐ Community health nursing
- ☐ School health, health education
- ☐ Teaching principles & teaching
- ☐ Methodology
- ☐ Health promotion

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Publications

Miao, N. F., Wang, T. C., Chang, F. C., Lee, C. H., Chi, H. Y., Huang, L. J., & Pan, Y. C. (2019). Prevalence and association of pain experiences, medication literacy, and use of medication among children and adolescents in Taiwan. *Journal of Pediatric Nursing*, 46: e64-e71.

Hsieh, F. C., **Miao, N. F.**, Tseng, I. J., Chiu, H. L., Kao, C. C., Liu, D., ... & Chou, K. R. (2019). Effect of home-based music intervention versus ambient music on breast cancer survivors in the community: A feasibility study in Taiwan. *European Journal of Cancer Care*, 28(4): e13064.

Chen, I. H., Hsu, S. M., Wu, J. S. J., Wang, Y. T., Lin, Y. K., Chung, M. H., ... & **Miao, N. F.** * (2019). Determinants of nurses' willingness to receive vaccines: Application of the health belief model. *Journal of Clinical Nursing*, 28(19-20): 3430-3440.

Miao, N. F., Lin, C. J., Cheng, C. L., Hsiao, Y. L., & Chen, I. H. (2018). Smartphone dependence among undergraduates in Taiwan. *Journal of Mobile Multimedia*, 14(2): 231-256.

Miao, N. F., Lin, P. C. (2018). A prospective study of joint function and the quality of life of patients undergoing total joint replacement. *International Journal of Nursing Practice*, 24(5): e12675, 1-8.

Lai, Y. C., Chen, I. H., **Miao, N. F.**, Hsiao, Y. L., & Li, H. C. (2018). An interesting phenomenon in immigrant spouses and elderly suicides in Taiwan. *Archives of Gerontology and Geriatrics*, 74: 128-132.

Huang, H. C., Lin, K. C., Wu, C. S., **Miao, N. F.**, Chen, M. Y. (2018). Health- promoting behaviors benefit the mental health of cirrhotic outpatients. *Quality of Life Research*, 6: 1521-1532.

Hsieh, C. J., **Miao, N. F.**, Chung, C. F., Hung, T. M. (2018). Influence of psychiatric symptoms and use of psychotropic medications on the health-promoting lifestyle of chronic schizophrenics during middle and old ages. *The Journal of Psychiatric Mental Health Nursing*, 13(2): 5-18.

Sang, E., Liao, Y. M., **Miao, N. F.**, Chou, K. R., & Chung, M. H. (2018). Patterns and correlates of benzodiazepine use in nurses: A nationwide, population-based study. *International Journal of Mental Health Nursing*, 27(1): 400-407.

Tsai, Y. P., Ko, W. C., Lee, P. H., **Miao, N. F.** * (2018). Factors associated with smoking cessation among hospitalized patients with coronary artery disease. *New Taipei Journal of Nursing*, 20(1): 27-39.

Chen, R., Chien, W. C., Chu, H., Chiu, H. L., Chung, C. H., Yang, C. Y., **Miao, N. F.**, Chou, K. R. (2018). Mortality and risk factors in Psychiatric inpatient with dementia: A 13-year long-term data analysis. *Neuropsychiatry (London)*, 8(3): 930-941.

Chang, F. C., Chiu, C. H., Chen, P. H., **Miao, N. F.**, Chiang, J. T., Chuang, H. Y. (2018). Computer/Mobile device screen time of children and their eye care behavior: The roles of risk perception and parenting. *Cyberpsychology, Behavior, and Social Networking*, 21(3): 179-186.

Grants

Project	Funding	Active	Host
Investigation of Emerging Tobacco Products an Development and Evaluation of Teaching Materials	Department of Social Welfare	2018/01/22 2019/01/21	PI
Survey and Intervention Study on Mobile Technology Use, Risk Perception, Literacy and Discipline of Children and Parents Aged 3-10 Years in Both Urban and Rural Areas	Ministry of Science and Technology	2017/08/01 2019/07/31	Co-PI



Faculty Publications & Grants III

**Indicate corresponding author*



**Asst. Prof.
Lin, Chueh-Ho**

Head of Exercise in Elderly and Chronic Disease Research Team

Prof. Lin is an Assistant Professor of Master Program in Long-Term Care at the Taipei Medical University. He develops novel assistive devices with multiple sensors to investigate age-related changes in muscle strength generation, bilateral limbs coordination, motor control, and brain-behavior relationships during the specific task in both non-disabled individuals (healthy young and elderly adults) and individuals with neurologic disorders. During his years as a clinician and rehabilitation specialist, it was his greatest ambition to be a part of developing assistive technology and physical therapy interventions that would maximize physical and functional recovery in patients after pathological diseases. Based on this reason, he is currently studying the effects of visual feedback training compared with the traditional rehabilitation program, improving motor control and functional recovery of stroke patients.

Research Focus

- | | |
|---|--|
| ☐ Clinical evaluation and design of assistive technology | ☐ Assessment and promotion of senior physical fitness |
| ☐ Rehabilitation medicine | ☐ Sports medicine |
| ☐ Analysis in motor control | ☐ Physiological signal acquisition and analysis |
| ☐ Geriatric medicine | |

Major Achievement

1. Excellent Teaching Faculties Award at the 2016, Taipei Medical University

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Publications

Lin, C. H.*, Sung, W. H., Chiang, S. L., Lee, S. C., Lu, L. H., Wang, P. C., & Wang, X. M. (2019). Influence of aging and visual feedback on the stability of hand grip control in elderly adults. *Experimental Gerontology*, 119, 74-81.

Lai, C. H., Sung, W. H., Chiang, S. L., Lu, L. H., Lin, C. H., Tung, Y. C., & **Lin, C. H.*** (2019). Bimanual coordination deficits in hands following stroke and their relationship with motor and functional performance. *Journal of Neuroengineering and Rehabilitation*, 16(1), 101.

Chiang, S. L., **Lin, C. H.**, Hsu, Y. D., Wei, S. H., Sung, W. H., Lu, L. H., ... & Lin, C. H.* (2018). Analysis of trunk rolling in Parkinson's disease patients using a mattress mobility detection system. *Computer Methods and Programs in Biomedicine*, 162, 157-163.

Grants

Project	Funding	Active	Host
Developing an Assessment and Rehabilitation System for Improving Bilateral Ankle Coordination Control and Functional Performances of Lower Limbs Following Chronic Stroke-II	Ministry of Science and Technology	2019/08/01 2021/07/31	PI

Developing the AI-based Exercise Prescription System	University System of Taipei Joint Research Program	2020/01 2020/12	PI
Investigating the Impacts of Vibration Training on Muscle Strength and Functional Performances of Upper Limbs in Elderly People	Taipei Medical University-Wan Fang Hospital	2019/05/01 2020/04/31	CO-PI
Developing An Ankle Assessment and Rehabilitation System for Improving Proprioception and Coordination Performances of Paretic Ankle Joint Following Chronic Stroke	Ministry of Science and Technology	2018/08/01 2019/07/01	PI
Developing a Dynamic and Static Balance Evaluation System and Investigating the Aging-related Changes in Balance Performances in the Elderly	University System of Taipei Joint Research Program	2018/01 2018/12	PI
Explore the Prevalence of Sarcopenia among Elderly and the Effect of Health Promotion Program	Ministry of Science and Technology	2017/08 2018/07	CO-PI
Research, Development and Personnel Training for Disability Prevention and Coping Strategy	Ministry of Health and Welfare	2017/07/11 2018/04/30	PI
Investigating the Ankle Proprioception Deficits of Aging and Correlation Between Impairment of Perception and Function after Exercise Intervention	Shuang Ho Hospital	2017/06 2018/05	CO-PI
A Care-based Innovative Networking for Active Ageing	Ministry of Science and Technology	2016/07 2019/06	CO-PI





Dr. Chang focuses on cancer issues especially on quality of life and survival. Recently, the research entitled "Age and rest-activity rhythms as predictors of survival in patients with newly diagnosed lung cancer". The major aim was to investigate the effects of rest-activity rhythm and age on patients' survival. The results will be expected to explore whether age and rest-activity rhythm have significant independent and joint effects on the survival of patients with lung cancer.

**Asst. Prof.
Chang, Wen-Pei**

Research Focus

- ☐ Oncology nursing
- ☐ Palliative care
- ☐ Medical-surgical nursing
- ☐ Nursing administration

Staff and Contact Information

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Chang, W. P.*, Yang, C. M. (2019). Influence of sleep-wake cycle on body mass index in female shift-working nurses with sleep quality as mediating variable. *Industrial Health*. [Epub ahead of print]

Kuo, L. C., **Chang, W. P.**, Huang, H. C., Lin, C. C. (2020). Association of time-varying rest-activity rhythm with survival in older adults with lung cancer. *Cancer Nursing*, 43(1), 45-51.

Chang, W. P.*, Peng, Y. X. (2019). Does the oral administration of ginger reduce chemotherapy-induced nausea and vomiting? A meta-analysis of 10 randomized controlled trials. *Cancer Nursing*, 42(6), E14-E23.

Chang, W. P., Lin, Y. K., Lin, C. C. (2019). Psychometric evaluation of the Taiwanese version of the Functional Assessment of Cancer Therapy: a questionnaire for patients with lung cancer. *International Journal for Quality in Health Care*, 31(7), 513-518.

Chang, W. P.*, Chang, Y. P. (2019). Relationship between job satisfaction and sleep quality of female shift-working nurses: using shift type as moderator variable. *Industrial Health*, 57(6), 732-740.

Chang, W. P.*, Li, H. B. (2019). Differences in workday sleep fragmentation, rest-activity cycle, sleep quality, and activity level among nurses working different shifts. *Chronobiology International*, 36(12), 1761-1771.

Chang, W. P., Smith, R., Lin, C. C. (2018). Age and rest-activity rhythm as predictors of survival in patients with newly diagnosed lung cancer. *Chronobiology International*, 35(2), 188-197.

Chang, W. P.*, Peng, Y. X. (2018). Occurrence of phlebitis: a systematic review and meta-analysis. *Nursing Research*, 67(3), 252-260.

Chang, W. P.* (2018). How social support affects the ability of clinical nursing personnel to cope with death. *Applied Nursing Research*, 44, 25-32.

Chang, W. P.* (2018). Influence of shift type on sleep quality of female nurses working monthly rotating shifts with cortisol awakening response as mediating variable. *Chronobiology International*, 35(11), 1503-1512.

Grants

Project	Funding	Active	Host
Effects of Coaching Program on Lung Function, Exercise Tolerance, Fatigue, Sleep Wake Rhythm, and Quality of Life in Advanced Chronic Obstructive Pulmonary Disease Patients	Ministry of Science and Technology	2019/08/01 2020/07/31	PI
Circadian Rhythms: A Predictor of Survival in Lung Cancer Patients?	Taipei Medical University-Shuang Ho Hospital	2019/05/01 2020/04/30	PI
Time-Varying Patient Reported Outcomes in Predicting Survival in Lung Cancer Patients	Taipei Medical University-Shuang Ho Hospital	2018/05/01 2019/04/30	PI
Circadian Rhythm of Salivary Melatonin and Cortisol in Relation to Sleep, Mood and Fatigue in Patients Newly Diagnosed with Lung Cancer	Taipei Medical University-Shuang Ho Hospital	2017/06/01 2018/05/31	PI





Dr. Chen interests in knowledge translation research, including determine the barriers of knowledge usage, developing clinical practice guideline, applying journal club for promoting the multidisciplinary evidence-based practice and promote patient safety and quality of care. Exploring issues regarding the management of women health, postpartum depression, and high-risk infant care using knowledge translation approach.

**Asst. Prof.
Chen, Kee-Hsin**

Research Focus

- ☐ High risk neonate nursing care
- ☐ Baby-friendly hospital initiative
- ☐ Evidence-based healthcare and guideline development
- ☐ Knowledge translation
- ☐ Nursing management

Staff and Contact Information

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Major Achievements

1. Award for Excellent Nursing Manager (Taipei Nurses Association, 2016)
2. Gold Award, Evidence-based Practice group, the 17th Healthcare Quality Improvement Campaign (HQIC) (Joint Commission of Taiwan, 2016)
3. Awards for Best Nurse (Taipei Nurses Association, 2007)

Publications

Lai, N. M., Ong, J. M., **Chen, K. H.**, Chaiyakunapruk, N., Ovelman, C., & Soll, R. (2019). Are Neonatal Trials Better Conducted and Reported over the Last 6 Decades? An Analysis on Their Risk-of-Bias Status in Cochrane Reviews. *Neonatology*, 116(2), 123-131.

Lin, Y. S., Cheng, S. W., Wang, Y. H., **Chen, K. H.**, Fang, C. J., & Chen, C. (2019). Systematic review with meta-analysis: risk of post-operative complications associated with pre-operative exposure to anti-tumour necrosis factor agents for Crohn's disease. *Alimentary Pharmacology & Therapeutics*, 49(8), 966-977.

Chen, K. H., Chiu, H. H., & Kang, Y. N. (2019). How do baseline aortic root diameter, age and fibrillin-1 mutation affect the pooled effect of losartan on aortic dilatation?. *European Journal of Preventive Cardiology*, 2047487319870014.

Lai, N. M., Ong, J. M. J., **Chen, K. H.**, Chaiyakunapruk, N., Ovelman, C., & Soll, R. (2019). Decreasing Number of Conclusive Neonatal Reviews: Increasing Role for Shared Decision-Making?. *Neonatology*, 1-2.

Ho, M. H., **Chen, K. H.**, Montayre, J., Liu, M. F., Chang, C. C., Traynor, V., Shen Hsiao, S. T., Chang, H. C. R. & Chiu, H. Y., (2019). Diagnostic test accuracy meta-analysis of pre-deliric (prediction of delirium in ICU patients): A delirium prediction model in intensive care practice. *Intensive and Critical Care Nursing*. 102784.

Chao, C. H., Huang, T. W., Chen, C. F., **Chen, K. H.*** (2019). Choosing Wisely in Cancer Nursing: Literature Review. *Yuan-Yuan Nursing*. 13(3), 5-12.

Chen, K.H., Kuo, K.N. (2018). From Scientific Evidence to Knowledge Translation: An Introduce of Cochrane Knowledge Translation Strategy. *Evidence Counts*, 9 (2), 25-48.

Chen, K. H., & Kao, C. C. (2018). The Journal Club in enhancing the competency of evidence-based practice among healthcare professionals: A pilot study. *Journal of Healthcare Quality*, 12(2), 84-92.

Lee, C. C., **Chen, K. H.**, Huang, T. W., (2018). The Effects of Bladder Training before Removing the Indwelling Urinary Catheter in Patients. *Journal of Healthcare Quality*, 12(6), 52-61.

Chao, H. L., Hu, H. C., Lin, C. R., Chang, L. C., Liu, J. W., **Chen, K. H.**, Li, Y. M., Lee, L. L. (2018). A Study of the Evidence-Based Nursing Practice Competence of Nurses and Its Clinical Applications. *Evidence Counts*, 9 (2), 57-61.

Chou, P. Y., Liu, D., Ni, C. H., **Chen, K. H.**, Chung, F. F. (2018). Using the Baby-Led Breastfeeding Program to Improve the Comfort of Postpartum Breastfeeding Mothers. *Chang Gung Nursing*. 29 (4), 568-579.

Grants			
Project	Funding	Active	Host
Establish Systematic Review Methodology and Evidence Database Collaboration Platform Research	Health Promotion Administration, Ministry of Health and Welfare	2020/01/01 2020/12/31	PI
A Literature Review of the Outcomes of Advanced Age Maternal on Infant's Physiological and Psychological Development	Health Promotion Administration, Ministry of Health and Welfare	2020/01/01 2020/06/30	PI
Knowledge Translation Research in Evidence-based Practice Guidelines Methodology Development and Critical Appraisal	Ministry of Science and Technology	2018/08/01 2020/07/01	PI
Promoting Evidence-Based Medicine and Disseminating Technology Knowledge, Establishing Health and Welfare Biotechnology Electronic Database Sharing Platform in Taiwan.	Ministry of Health and Welfare	2019/01/01 2019/12/31	CO-PI
Developing Evidence-based Clinical Practice Guideline for Cardiovascular Diseases	Health Promotion Administration, Ministry of Health and Welfare	2018/03/01 2019/02/28	CO-PI
The Effects on Integrative Music and Physical Therapy to Alleviate the Depression of Nursing Home Residents and Caregivers	Wanfang Hospital	2018/01/01 2019/06/30	CO-PI
Implementing Journal Club Facilitates Translation of Evidence-Based Knowledge	Taipei Medical University	2017/10/01 2018/09/30	PI
Adopting Knowledge Translation Framework for Fall Prevention Among Hospitalized Patients	Wanfang Hospital	2017/03/01 2018/02/28	CO-PI
Exploring the Needs of Patient and Family Care Givers on Health Promotion and Disease Care	Health Promotion Administration, Ministry of Health and Welfare	2018/05/02 2018/12/31	CO-PI
Correlations Between Early Feeding and Postpartum Depression and Breastfeeding Satisfaction Among Caesarean Section Mothers	Wanfang Hospital	2018/03/01 2019/02/28	CO-PI



My research focuses on community health, occupational health care, and environmental health. At present, occupational health research mainly focuses on labor psychology and noise exposure research. In environmental health research, the effects of air pollutants and industrial zone exposure on people's health are discussed.

**Asst. Prof.
Chin, Wei-Shan**

Research Focus

- ☐ Occupational health nursing
- ☐ Occupational injuries
- ☐ Environmental health
- ☐ Environmental epidemiology

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Publications

Chin, W. S., Guo, Y. L. L., Hung, Y. J., Hsieh, Y. T., Wang, L. J., & Shiao, J. S. C. (2019). Workplace justice and intention to leave the nursing profession. *Nursing Ethics*, 26(1), 307-319.

Chin, W. S., Chen, Y. C., Ho, J. J., Cheng, N. Y., Wu, H. C., & Shiao, J. S. (2019). Psychological work environment and suicidal ideation among nurses in Taiwan. *Journal of Nursing Scholarship*, 51(1), 106-113.

Chu, P. C., **Chin, W. S.**, Guo, Y. L., & Shiao, J. S. C. (2019). Long-term effects of psychological symptoms after occupational injury on return to work: A 6-year follow-up. *International Journal of Environmental Research and Public Health*, 16(2), 235.

Chen, C. H., Huang, L. Y., Lee, K. Y., Wu, C. D., Chiang, H. C., Chen, B. Y., **Chin, W. S.**, Pan, S. C. & Guo, Y. L. (2019). Effects of PM2.5 on Skeletal Muscle Mass and Body Fat Mass of the Elderly in Taipei, Taiwan. *Scientific Reports*, 9(1).

Chen, Y. C., Guo, Y. L. L., **Chin, W. S.**, Cheng, N. Y., Ho, J. J., & Shiao, J. S. C. (2019). Patient-Nurse Ratio is Related to Nurses' Intention to Leave Their Job through Mediating Factors of Burnout and Job Dissatisfaction. *International Journal of Environmental Research and Public Health*, 16(23).

Chin, W. S., Guo, Y. L., Liao, S. C., Wu, H. C., Kuo, C. Y., Chen, C. C., & Shiao, J. S. C. (2018). Quality of life at 6 years after occupational injury. *Quality of Life Research*, 27(3), 609-618.

Chin, W. S., Guo, Y. L., Liao, S. C., Lin, K. H., Kuo, C. Y., Chen, C. C., & Shiao, J. S. (2018). Suicidality 6 Years After Occupational Injury. *The Journal of Clinical Psychiatry*, 79(5).

Chin, W. S., Chang, Y. K., Huang, L. F., Tsui, H. C., Hsu, C. C., & Guo, Y. L. L. (2018). Effects of long-term exposure to CO and PM2.5 on microalbuminuria in type 2 diabetes. *International Journal of Hygiene and Environmental Health*, 221(4), 602-608.

Wu, T. J., Pan, S. C., Chen, B. Y., **Chin, W. S.**, & Guo, Y. L. (2018). Different seasonal effect on asthma trajectories: A population-based birth cohort study. *Pediatric Allergy and Immunology*, 29(8), 873-877.

Chin, W. S., Pan, S. C., Liao, S. C., & Guo, Y. L. (2018, September). The Impact of an Occupational Injury on Developing Psychiatric Disorders in Taiwan. In *ISEE Conference Abstracts* (Vol. 2018, No. 1).



Huei-Ling Chiu is an assistant professor of School of Gerontology Health Management at Taipei Medical University. Her research focuses on executive function, cognitive frailty, fall prevention and technology supported geriatric assessment.

**Asst. Prof.
Huei-Ling, Chiu**

Research Focus

- ☐ Executive function
- ☐ Cognitive frailty
- ☐ Fall prevention
- ☐ Technology supported geriatric assessment
- ☐ Elderly care
- ☐ Long-term care
- ☐ Medical term in Japanese

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Publications

Yen, H. Y., & **Chiu, H. L.***(2019). The effectiveness of wearable technologies as physical activity interventions in weight control: A systematic review and meta-analysis of randomized controlled trials. *Obesity Reviews*, 20(10), 1485-1493.

Hsieh, F. C., Miao, N. F., Tseng, I. J., **Chiu, H. L.**, Kao, C. C., Liu, D., ... & Chou, K. R. (2019). Effect of home-based music intervention versus ambient music on breast cancer survivors in the community: A feasibility study in Taiwan. *European Journal of Cancer Care*, 28(4), e13064.

Yang, H. L., Chu, H., Kao, C. C., **Chiu, H. L.**, Tseng, I. J., Tseng, P., & Chou, K. R. (2019). Development and effectiveness of virtual interactive working memory training for older people with mild cognitive impairment: a single-blind randomised controlled trial. *Age and Ageing*, 48(4), 519-525.

Yang, H. L., Chu, H., Miao, N. F., Chang, P. C., Tseng, P., Chen, R., **Chiu, H. L.**, ... & Chou, K. R. (2019). The Construction and Evaluation of Executive Attention Training to Improve Selective Attention, Focused Attention, and Divided Attention for Older Adults with Mild Cognitive Impairment: A Randomized Controlled Trial. *The American Journal of Geriatric Psychiatry*, 27(11), 1257-1267.

Kao, C. C., **Chiu, H. L.**, Liu, D., Chan, P. T., Tseng, J., Chen, R., ... & Chou, K. R. (2018). Effect of interactive cognitive motor training on gait and balance among older adults: a randomized controlled trial. *International Journal of Nursing Studies*, 82, 121-128.

Chen, R., Chien, W. C., Chu, H., **Chiu, H. L.**, Chung, C. H., Yang, C. Y., ... & Chou, K. R. (2018). Mortality and Risk Factors in Psychiatric Inpatient with Dementia: A 13-year Long-Term Data Analysis. *Neuropsychiatry*, 8(3), 930-941.

Chen, R., Chien, W. C., Kao, C. C., Chung, C. H., Liu, D., **Chiu, H. L.**, & Chou, K. R. (2018). Analysis of the risk and risk

factors for injury in people with and without dementia: a 14-year, retrospective, matched cohort study. *Alzheimer's Research & Therapy*, 10(1), 111.

Kao, C. C., **Chiu, H. L.**, Liu, D., Chan, P. T., Tseng, J., Chen, R., ... & Chou, K. R. (2018). Effect of interactive cognitive motor training on gait and balance among older adults: a randomized controlled trial. *International Journal of Nursing Studies*, 82, 121-128.

Chiu, H. L., Chan, P. T., Kao, C. C., Chu, H., Chang, P. C., Hsiao, S. T. S., ... Chou, K. R. (2018). Effectiveness of executive function training on mental set shifting, working memory and inhibition in healthy older adults: A double-blind randomized controlled trials. *Journal of Advanced Nursing*, 74(5), 1099-1113.

Yang, H. L., Chan, P. T., Chang, P. C., **Chiu, H. L.**, Hsiao, S. T. S., Chu, H., & Chou, K. R. (2018). Memory-focused interventions for people with cognitive disorders: A systematic review and meta-analysis of randomized controlled studies. *International Journal of Nursing Studies*, 78, 44-51.

Grants

Project	Funding	Active	Host
Schizophrenia: A Multi-Oriented Translational Medical Study-Using Functional Magnetic Resonance to Assess the Effects of Transcranial AC Electrical Stimulation on the Consciousness Network of Mental Disorders	Ministry of Education	2019/01/01 2019/12/31	PI
A Randomized Controlled Study of Aquatic Exercise Program for Cognitive Frailty Older People's Gait, Balance, Cognitive Function and Fall Risk.	Ministry of Science and Technology	2019/03/01 2020/02/29	PI
Effectiveness of Cognitive-Based Smartphone Applications (APP) on Cognitive Function in Mild Cognitive Impairment (MCI) and Healthy Older Adults	Ministry of Science and Technology	2019/07/01 2020/02/29	PI
A Federated Evaluation Among Cognitive Function and Fall Risk on Physical Frailty and Cognitive Frailty of Older Adults – A Five Time Chair Rise Test Approach with IMU's Dynamic Time Warping Matching	University System of Taipei Joint Research Program	2020/01/01 2020/12/31	PI





**Asst. Prof.
Kuo, Shu-Fen**

Dr. Kuo focuses on immigrant women issues, especially on acculturation and stress management. The research entitled “Effects of a cognitive Behavioral Self-Help Intervention on Immigrant Life Stress for Immigrant Women Who Are Divorced”, demonstrated the positive effects of intervention among divorced immigrant women. The major aim was to evaluate the cognitive behavioral self-help intervention on self-efficacy, resilience, acculturation, psychological morbidity, demands of immigrant and resilience. The results will be expected to understand the most important factors on stress management of divorced immigrant women.

Research Focus

- ☐ Immigrant women
- ☐ Maternal and children preventive care
- ☐ Human development, pediatric nursing

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Publications

Huang, S. C., **Kuo, S. F.**, Tsai, P. S., Tsai, C. Y., Chen, S. S., Lin, C. Y., ... & Hou, W. H. (2020). Effectiveness of Tailored Rehabilitation Education in Improving the Health Literacy and Health Status of Postoperative Patients with Breast Cancer: A Randomized Controlled Trial. *Cancer Nursing*, 43(1), E38-E46.

Kuo, S. F., Hou, W. H., Chang, C. C., Liao, Y. M., Cheng, S. Y., Chou, Y. H., ... & Chen, I. H. (2019). Development and psychometric testing of the Chinese version of the Resilience Scale for Southeast Asian immigrant women who divorced in Taiwan. *PloS One*, 14(2).e0211451.

Niu, S. F., **Kuo, S. F.**, Tsai, H. T., Kao, C. C., Traynor, V., & Chou, K. R. (2019). Prevalence of workplace violent episodes experienced by nurses in acute psychiatric settings. *PloS One*, 14(1). e0211183.

Hsiao, Y. L., Lee, J. J., **Kuo, S. F.**, Yeh, Y. C., & Chen, I. H. (2018). Intentions to use long-term care: Exploring the Y generation. *International Journal of Healthcare Management*, 1-7.

Grants

Project	Funding	Active	Host
Survey on Participation and Demand of Long-term Care Services for Immigrant Resident	Other (Funded by Government)	2019/01/01 2019/12/01	PI
Fathering Experience in NICU: A Family-Centered Developmental Supportive Care Program	Taipei Medical University	2017/10/01 2018/07/31	PI
The Health Promotion Research to Foreign Care Workers	Institute of labor, Occupational Safety and Health, Ministry of Labor	2017/07/28 2018/12/31	CO-PI



**Asst. Prof.
Lee, Shu-Chun**

Dr Lee's research interests span all areas of human postural control in the wake of ageing and neurological disorders. She recently focuses on walking-turns performance and the multisensory balance training. She also investigates the age- and stroke-related visual dependence on spatial orientation and postural balance and geriatric syndrome such as sarcopenia and frailty.

Research Focus

- ☐ Neurological rehabilitation
- ☐ Ageing and postural balance
- ☐ Multisensory balance training
- ☐ Effectiveness evaluation of rehabilitation intervention

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Publications

Lin, C. H., Sung, W. H., Chiang, S. L., **Lee, S. C.**, Lu, L. H., Wang, P. C., & Wang, X. M. (2019). Influence of aging and visual feedback on the stability of hand grip control in elderly adults. *Experimental Gerontology*, 119, 74-81.

Liang, P. J., Chen, J. Y., & **Lee, S. C.*** (2018). The Percentage of Occurrence of Turning Difficulty in Hemiplegic Stroke Survivors. *Journal of Physiotherapy Research*, 2(4), 13.

Chou, P. Y., **Lee, S. C.*** (2018). A Systematic Review of Turning Difficulties in Individuals with Stroke. *Taiwan Journal of Physical Medicine and Rehabilitation*, 46(1), 1-8.

Grants

Project	Funding	Active	Host
Investigation on the Correlation Between Initial Turning Performance and Limb Injury, Balance, Functional Activity and Activities of Daily Living in Patients with Hemiplegia and Stroke	Ministry of Science and Technology	2018/08/01 2019/07/01	PI
Visual Dependence and Multisensory Balance Exercise for Elderly	Taipei Medical University	2018/08/01 2019/07/01	PI
Prevalence, Related Factors and Health Promotion Programs of Sarcopenia Among Elderly with Diabetes	Ministry of Science and Technology	2019/08/01 2021/07/01	Co-PI
Post-Stroke Visual Dependence and Early Intervention of Multisensory Balance Rehabilitation	Ministry of Science and Technology	2019/08/01 2022/07/01	PI
Turning Dysfunction After Stroke And Its Association to Trunk Control: Underlying Mechanisms and Training Effects	Taipei Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation	2020/01/01 2020/12/31	Co-PI



My research focused on “Stroke rehabilitation (prognosis, wearable device, robot gait training)”, “Balance and gait analysis in mild traumatic brain injury and dementia”, “Exercise prescription for elderly”

**Asst. Prof.
Lin, Li-Fong**

Research Focus

- ☐ Stroke rehabilitation
- ☐ Wearable device for stroke
- ☐ Robot gait training for stroke
- ☐ Exercise prescription for the elderly
- ☐ Balance and gait analysis in mild traumatic brain injury and dementia

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Publications

- Hsu, W. C., Sugiarto, T., Wu, J. L., Lin, Y. J., **Lin, L. F.**, Tsai, C. Y., ... & Lee, Y. H. (2019). Controlled Tactile and Vibration Feedback Embedded in a Smart Knee Brace. *IEEE Consumer Electronics Magazine*, 9(1), 54-60.
- Liu, Y. H., **Lin, L. F.**, Chou, C. W., Chang, Y., Hsiao, Y. T., & Hsu, W. C. (2019). Analysis of electroencephalography event-related desynchronisation and synchronisation induced by lower-limb stepping motor imagery. *Journal of Medical and Biological Engineering*, 39(1), 54-69.
- Huang, S. W., Lin, C. L., **Lin, L. F.**, Huang, C. C., Liou, T. H., & Lin, H. W. (2019). Autoimmune Connective Tissue Diseases and the Risk of Rotator Cuff Repair Surgery: A Population-Based Retrospective Cohort Study. *BMJ open*, 9(2), e023848.
- Lin, L. F.**, Chang, K. H., Huang, Y. Z., Lai, C. H., Liou, T. H., & Lin, Y. N. (2019). Simultaneous stimulation in bilateral leg motor areas with intermittent theta burst stimulation to improve functional performance after stroke: a feasibility pilot study. *European Journal of Physical and Rehabilitation Medicine*, 55(2), 162-168.
- Hsu, W. C., Chang, C. C., Lin, Y. J., Yang, F. C., **Lin, L. F.**, & Chou, K. N. (2019). The Use of Wearable Sensors for the Movement Assessment on Muscle Contraction Sequences in Post-Stroke Patients during Sit-to-Stand. *Sensors*, 19(3), 657.
- Lin, H. W., **Lin, L. F.**, Chen, H. C., Liou, T. H., & Huang, S. W. (2018). Chronic obstructive pulmonary disease with short-acting inhaled pharmacotherapy increases the risk of prostate cancer: A two-stage database approach. *PloS One*, 13(9).
- Huang, S. W., Hsieh, F. C., **Lin, L. F.**, Liao, C. D., Ku, J. W., Hsiao, D. J., & Liou, T. H. (2018). Correlation between Body Composition and Physical Performance in Aged People. *International Journal of Gerontology*, 12(3), 186-190.
- Huang, Y. J., Chen, C. T., Lin, G. H., Wu, T. Y., Chen, S. S., **Lin, L. F.**, ... & Hsieh, C. L. (2018). Evaluating the European health literacy survey questionnaire in patients with stroke: a latent trait analysis using Rasch modeling. *The Patient-Patient-Centered Outcomes Research*, 11(1), 83-96.
- Lin, L. F.**, Lin, Y. J., Lin, Z. H., Chuang, L. Y., Hsu, W. C., & Lin, Y. H. (2018). Feasibility and efficacy of wearable devices for upper limb rehabilitation in patients with chronic stroke: a randomized controlled pilot study. *European Journal of Physical and Rehabilitation Medicine*, 54(3), 388-396.
- Cho, Y. T., Hsu, W. Y., **Lin, L. F.**, & Lin, Y. N. (2018). Kinesio taping reduces elbow pain during resisted wrist extension in patients with chronic lateral epicondylitis: a randomized, double-blinded, cross-over study. *BMC Musculoskeletal Disorders*, 19(1), 193.
- Huang, Y. Z., **Lin, L. F.**, Chang, K. H., Hu, C. J., Liou, T. H., & Lin, Y. N. (2018). Priming with 1-Hz repetitive transcranial magnetic stimulation over contralesional leg motor cortex does not increase the rate of regaining ambulation within 3 months of stroke: a randomized controlled trial. *American Journal of Physical Medicine & Rehabilitation*, 97(5), 339-345.



**Asst. Prof.
Lin, Yu-Huei**

Yu-Huei Lin, RN, MSN, Ph.D., is a relatively new researcher. In the past few years, she has conducted three phases of study to gain a better understanding regarding the lives of patients with COPD. First, she manipulated large data sets to test health-related hypotheses, then utilized a qualitative study based on grounded theory to shed light on the perspectives of COPD patients with comorbidities. Furthermore, she built on her findings and conducted randomized controlled trials to assess the efficacy of various interventions. Now she persists her research focus on COPD and its comorbidities in hopes that its findings will maintain and improve quality of life for COPD patients and their families.

Research Focus

- ☐ Pulmonary rehabilitation,
- ☐ Database analysis
- ☐ Chronic illness care health education

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Publications

Lin, Y. H., Tsai, C. L., Tsao, L. I., & Jeng, C. (2019). Acute exacerbations of chronic obstructive pulmonary disease (COPD) experiences among COPD patients with comorbid gastroesophageal reflux disease. *Journal of Clinical Nursing*, 28(9-10), 1925-1935.

Grants

Project	Funding	Active	Host
Comorbidities in Chronic Obstructive Pulmonary Disease	Taipei Medical University	2018/01/01 2018/12/31	PI
The Investigation of Hand Hygiene in Cognition, Attitude and Behavior Among Primary School Students.	Ministry of Science and Technology	2019/07/01 2020/02/29	PI





From the perspectives of the nurse practitioner, Dr. Pien focuses on the workplace psychosocial hazard and mental health issue. My recent research is focused on shift work, physical and mental health interaction, especially about the nursing staff.

**Asst. Prof.
Pien, Li-Chung**

Research Focus

- ☐ Mental Health Care
- ☐ Mental Health
- ☐ Psychosocial Factors and Health at Workplace

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Publications

Cheng, W. J., Liang, S. J., Huang, C. S., Lin, C. L., **Pien, L. C.**, & Hang, L. W. (2019). Air pollutants are associated with obstructive sleep apnea severity in non-rapid eye movement sleep. *Journal of Clinical Sleep Medicine*, 15(06), 831-837.

Cheng, W. J., **Pien, L. C.**, & Cheng, Y. (2019). Differential effects of employment grade on the association between long working hours and problem drinking. *American journal of Industrial Medicine*, 62(5), 404-411.

Pien, L. C., Cheng, Y., & Cheng, W. J. (2019). Internal workplace violence from colleagues is more strongly associated with poor health outcomes in nurses than violence from patients and families. *Journal of Advanced Nursing*, 75(4), 793-800.

Pien, L. C., Cheng, Y., & Cheng, W. J. (2019). Psychosocial safety climate, workplace violence and self-rated health: A multi-level study among hospital nurses. *Journal of Nursing Management*, 27(3), 584-591.

Cheng, W. J., & **Pien, L. C.***(2018). A comparison of international drunk-driving policies and the role of drinking patterns. *American Journal of Preventive Medicine*, 55(2), 263-270.





**Asst. Prof.
Shyu, Meei-Ling**

Dr. Shyu focuses on problem behavior of the adolescent. Recently, the research entitled "A spatial-temporal scan on drug-related crime among adolescent in Taiwan". The major aim was through time-space analysis of drug-related crime hot spots among adolescent and the connection between drug-related crime locations and spatial disadvantage factors. This research is to provide practical and solid research findings to education agencies and built on the accumulated spatial issue-based testimonials, and to develop more appropriate nursing interventions to prevent drug use among adolescent in Taiwan, resulting in higher performance.

Research Focus

- ☐ Pediatric nursing
- ☐ Health promotion for pediatric
- ☐ Nursing administration

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Major Achievement

1. Teaching Excellence Award in TMU
2. Tutoring Student Merit Award in TMU

Publications

Huang, S. J., Hung, W. C., **Shyu, M. L.**, Chang, K. C., & Chen, C. K. (2019). Web-based intervention to promote physical activity in Taiwanese children. *Journal of Pediatric Nursing*, 45, e35-e43.

Shyu, M. L., Huang, H. C., Wu, M. J., & Chang, H. J. (2018). Development and validation of the Self-Awareness of Falls in Elderly Scale among elderly inpatients. *Clinical Nursing Research*, 27(1), 105-120.





Asst. Prof.
Tseng, Ing-Jy

Research Focus

- ☐ Cognition and gait
- ☐ Comprehensive geriatric assessment care
- ☐ Care for the elderly people with chronic disease
- ☐ Neurology nursing, geriatric nursing

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Publications

Yang, H. L., Chu, H., Kao, C. C., Chiu, H. L., **Tseng, I. J.**, Tseng, P., & Chou, K. R. (2019). Development and effectiveness of virtual interactive working memory training for older people with mild cognitive impairment: a single-blind randomised controlled trial. *Age and Ageing*, 48(4), 519-525.

Cai, Z. C. **Tseng, I. J.*** (2019). Gait training on improvement of forward walking and backward walking among recurrent falls community-dwelling elderly. *The New Taipei Journal of Nursing*, 21(2), 53-63.

Huang, C. W. C., **Tseng, I. J.**, Yang, S. W., Lin, Y. K., & Chan, W. P. (2019). Lumbar muscle volume in postmenopausal women with osteoporotic compression fractures: quantitative measurement using MRI. *European Radiology*, 29(9), 4999-5006.

Hsieh, F. C., Miao, N. F., **Tseng, I. J.**, Chiu, H. L., Kao, C. C., Liu, D., ... & Chou, K. R. (2019). Effect of home-based music intervention versus ambient music on breast cancer survivors in the community: A feasibility study in Taiwan. *European Journal of Cancer Care*, 28(4), e13064.

Kao, C. C., Chiu, H. L., Liu, D., Chan, P. T., **Tseng, I. J.**, Chen, R., ... & Chou, K. R. (2018). Effect of interactive cognitive motor training on gait and balance among older adults: a randomized controlled trial. *International Journal of Nursing Studies*, 82, 121-128.

Hsu, T. H., Liou, T. H., Chou, K. R., Chi, W. C., Yen, C. F., Liao, H. F., & **Tseng, I. J.*** (2018). Large-scale assessment of function and disability in patients with Parkinson's disease using the functioning disability evaluation scale-adult version. *International Journal of Environmental Research and Public Health*, 15(12), 2788.

Lin, Y. F., **Tseng, I. J.**, Kuo, C. J., Lin, H. Y., Chiu, I. J., & Chiu, H. W. (2018). High-level expression of ARID 1A predicts a favourable outcome in triple-negative breast cancer patients receiving paclitaxel-based chemotherapy. *Journal of Cellular and Molecular Medicine*, 22(4), 2458-2468.

Chiu, H. W., Lin, H. Y., **Tseng, I. J.**, & Lin, Y. F. (2018). OTUD7B upregulation predicts a poor response to paclitaxel in patients with triple-negative breast cancer. *Oncotarget*, 9(1), 553-565.

Tsai, C. F., Tsai, P. S., Liu, C. L., Lin, Y. K., Ling, Y. L., **Tseng, I. J.**, & Liao, Y. M. (2018). Psychometric Evaluation of the Chinese Breast Cancer Prevention Trial Symptom Scale. *Cancer Nursing*, 41(4), E18-E30.

Grants

Project	Funding	Active	Host
Simultaneous Centre-periphery Neuroimaging for Data-driven Rehabilitation Assessment of Fallers	Ministry of Science and Technology	2019/08/01 2021/07/31	CO-PI
Explore the Prevalence of Sarcopenia Among Elderly and the Effect of Health Promotion Program	Ministry of Science and Technology	2017/08/01 2018/07/31	CO-PI
Investigating Risk-Prediction Screening Tool for Falls and Effective Intervention to Prevent Falls in Community-Dwelling Older Population	Ministry of Science and Technology	2017/08/01 2018/07/31	CO-PI
A Care-Based Innovative Networking for Active Ageing	Ministry of Science and Technology	2016/07/01 2018/06/30	CO-PI





Dr. Wang focuses on the evidence based nursing and elderly health care. My recent research is explored the medical comorbidities of mental disorders using association rule mining. We reported sleep disorders and digestive diseases were frequent comorbidities among mental disorders. The research results suggest that education of professional knowledge of comorbid conditions should be provided to nurses for caring patients with mental illnesses.

**Asst. Prof.
Wang, Chia-Hui**

Research Focus

- ☐ Medical surgical nursing
- ☐ Evidence based health care
- ☐ Critical care of burn patients

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Publications

Wang, C. H., Lee, T. Y., Hui, K. C., & Chung, M. H. (2019). Mental disorders and medical comorbidities: Association rule mining approach. *Perspectives in Psychiatric Care*, 55(3), 517-526.

Li, C. J., **Wang, C. H.**, & Lin, C. F. (2019). An experience applying life review and resilience to a geriatric patient with functional limitations and depression. *The Journal of Nursing*, 66(1), 115-122.

Chen, S. F., **Wang, C. H.**, Chan, P. T., Chiang, H. W., Hu, T. M., Tam, K. W., & Loh, E. W. (2019). Labor pain control by aromatherapy: A meta-analysis of randomized controlled trials. *Women and Birth*, 32(4), 327-335.





Dr. Hsin-Yen Yen received his PhD degree in Sport, Leisure, and Hospitality Management. His research interest is healthy behavior modification from environmental, psychological, and technological perspectives. His work focuses on physical activity, leisure behavior, health promotion

**Asst. Prof.
Yen, Hsin-Yen**

Research Focus

- ☐ Physical activity
- ☐ Behavior change technology
- ☐ Smart wearable devices
- ☐ Recreation therapy
- ☐ Environmental psychology

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Publications

Yen, H. Y., & Chiu, H. L. (2019). The effectiveness of wearable technologies as physical activity interventions in weight control: A systematic review and meta-analysis of randomized controlled trials. *Obesity Reviews*, 20(10), 1485-1493.

Yen, H. Y., & Li, C. (2019). Determinants of physical activity: A path model based on an ecological model of active living. *PloS One*, 14(7).

Yen, H. Y., & Lin, L. J. (2018). Quality of life in older adults: Benefits from the productive engagement in physical activity. *Journal of Exercise Science & Fitness*, 16(2), 49-54.

Lin, L. J., & **Yen, H. Y.*** (2018). Efficacy of reminiscence therapy on cognitive functioning in older adults. *Topics in Geriatric Rehabilitation*, 34(2), 112-117.

Li, C., **Yen, H. Y.***, (2018). Effect of neighborhood walkability on regular physical activity and distribution of hypertension, diabetes, and hyperlipidemia: A comparison of subjective and objective data. *Sports & Exercise Research*, 20(3), 191-206.

Lin, L.J., **Yen, H. Y.***, (2018). Benefits of leisure participation on relocation adjustment for senior residents. *The Journal of Nursing Research*. 26(6), 427-437.

Yen, H. Y., & Lin, L. J. (2018). A systematic review of reminiscence therapy for older adults in Taiwan. *Journal of Nursing Research*, 26(2), 138-150.

Grants

Project	Funding	Active	Host
Health Effects of Active Transport	Ministry of Science and Technology	2019/08/01 2020/07/01	PI
Comprehensive Comparison of Behavioral Intervention Technology to Promote Healthy Lifestyle and Benefits to Health	Ministry of Science and Technology	2019/01/01 2019/10/01	PI



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