Jisu Lee, PhD, RN

geeesu8193@gmail.com
+82-10-7914-2654
College of Nursing, Yonsei University
50-1 Yonsei-ro, Seodaemun-gu, Seoul, South Korea

EDUCATION

2022-2025	Yonsei University, Seoul, South Korea	Ph.D.	Nursing
2020-2022	CHA University, Gyeonggi-do, South Korea	M.S.N.	Nursing
2012-2016	CHA University, Gyeonggi-do, South Korea	B.S.N.	Nursing

LICENSES

Mar 2016	Registered Nurse	352358	Republic of Korea
Mar 2016	School Nurse Teacher Certificate		Republic of Korea

PROFESSIONAL POSITIONS

2022-	Graduate Research Assistant	Mo-Im Kim Nursing Research Institute, Yonsei University, Seoul, South Korea
2024-	Graduate Research Assistant	Institute for Innovation in Digital Healthcare, Yonsei University, Seoul, South Korea
2024-	Lecturer	College of Nursing, Yonsei University, Seoul, South Korea
2020-2022	Clinical Research Coordinator	CHA Global Clinical Trials Center, Gyeonggi-do, South Korea
2019-2022	Teaching Assistant	College of Nursing, CHA University, Gyeonggi-do, South Korea
2016-2019	Emergency Department Nurse	Samsung Medical Center, Seoul, South Korea

RESEARCH EXPERIENCE

Yonsei University   Seoul, South Korea
Graduate Research Assistant   Mar 2022-Present

- Affiliated with the **Mo-Im Kim Nursing Research Institute** and the **Institute for Innovation in Digital Healthcare** in Yonsei University
- **Project Manager** for a population health research team led by Dr. Hyeonkyeong Lee, overseeing research funds, grant proposal development, and literature reviews for upcoming research projects
  - ➢ Project 1: *"Multicultural adolescent health study: Sociocultural environment-centered ACE intervention"*
  - ➢ Project 2: *"Emerging adulthood population (18-25) health study: Prediction and intervention of unhealthy weight management behaviors"*
- Developed digital health interventions for health behavior change among vulnerable populations
  - ➢ Digital based Living Labs for promoting healthy dietary habits among racial and ethnic adolescents
  - ➢ Chatbot for navigating healthier beverage consumption among adolescents
- Conducted big data analysis using news articles and national health surveys to identify social determinants of health-related behaviors
- Developed online platform for population health researchers
  - ➢ Multicultural health research platform: http://mhr.co.kr
  - ➢ STOP research platform: http://stoprt.inetpf.co.kr/main
- Developed and validated Korean version survey instruments
- Led a nationwide survey on unhealthy weight management behaviors among young adults
- Attended interdisciplinary research seminars and advanced statistical methods workshops
- Presented research findings at national and international conferences and contributed to peer-reviewed journal publications

CHA Hospital   Seoul, South Korea
Clinical Research Coordinator   Dec 2020-Feb 2022

- Coordinated Phase 1 clinical trials for pharmaceutical companies (e.g., Celltrion, Daewoong Pharmaceutical), performing blood sample collection, monitoring participant side effects, and completing case report forms.

Provided emergency nursing care during clinical trials, responding to syncope and seizures

RESEARCH TRAINING

Advanced Statistical Training

- Institute for Innovation in Digital Healthcare in Yonsei University   Feb 2025 planned
  - ➢ Workshop: **Big data analysis** and practical exercises using health insurance data
- Global Korean Nursing Foundation   Jul 2024
  - ➢ Workshop: Basic SAS training and **big data analysis** using health insurance data
- Korean Society of Evidence-Based Medicine   Jul 2024
  - ➢ Seminar: Meta-analysis with R and introductory **big data analysis** using health insurance data
- Korean Academy of Nursing   Jun 2022
  - ➢ Seminar: The application of **big data and artificial intelligence (AI)** in healthcare field
- Coursework: Seminar in Text Mining   PhD, 3rd Semester
  - ➢ Completed basic Python training
  - ➢ Report: A **text network analysis** on research abstracts to identify trends in patient safety studies
- Coursework: Advanced Statistics III   PhD, 2nd Semester
  - ➢ Completed advanced SPSS and JASP training

> ➢ Report: **Mediation analysis** on menopausal symptoms affecting quality of life in middle-aged men

Research Writing Training

- Research and Intervention for Cardiovascular Health (RICH) in University of Kentucky   Jul 2023
  - ➢ Workshop: **RICH Writing Institute (Mentor: Terry A. Lennie)**
- Coursework: Nursing Informatics   PhD, 1st Semester
  - ➢ Report: A scoping review on digital health literacy and competence among healthcare professionals
- Coursework: Nursing Knowledge Development   PhD, 1st Semester
  - ➢ Report: Development of framework on individual determinants of digital health equity

Grant Writing Training

- College of Nursing in Yonsei University   Feb 2025 planned
  - ➢ Title: Research Proposal Development for Early-Career Researchers
- Institute of Convergence Science in Yonsei University   Jan 2025
  - ➢ Seminar: Transdisciplinary Research Seminar
- Global Korean Nursing Foundation   Feb 2024
  - ➢ Seminar: Developing R&D Proposals for Capacity Building of Nursing and Public Health Researchers

Nursing Simulation Training

- Advanced Nursing Simulation Training in Esther L. Shields Simulation Center   Jul 2024
  - ➢ Workshop: Simulation-based teaching methods using digital technologies
- Faculty Development Seminar in Yonsei University   Aug 2022
  - ➢ Seminar: Incorporating metaverse platforms into nursing education

TEACHING EXPERIENCE

Yonsei University   Seoul, South Korea
Lecturer   Mar 2024-Present

- Instructed nursing students in clinical nursing skills and patient care practices

CHA University   Pocheon, South Korea
Teaching Assistant   Aug 2019-Feb 2022

- Developed and implemented the 'Global Nursing Simulation' course in infectious disease nursing in response to COVID-19
- Conducted special lectures on emergency medication in adult nursing
- Conducted special lectures on emergency nursing for students who have completed the teaching profession
- Organized and facilitated mini-conferences for courses in pediatric nursing, nursing administration, and fundamental nursing; assisted in practical lab sessions
- Supervised administrative support tasks for 3rd and 4th-year nursing students, including academic schedule management, scholarship allocation, and leave of absence/return guidance

SKILLS

Research and Analytic Skills

- Intervention development research: Proficient in conducting systematic reviews and developing innovative digital health interventions, including chatbots and digital-based living labs

- Quantitative research: Proficient in regression analysis, multilevel analysis, and trajectory modeling; familiar with utilizing big data for secondary data analysis and network analysis to identify health behavior patterns
- Qualitative research: Experienced in conducting FGIs and analyzing data through thematic analysis
- Mixed-methods research: Experienced in integrating quantitative and qualitative data to explore social determinants of health-related behaviors
- Instrument validation: Proficient in adapting and validating survey instruments from international tools using committee-based translation and validation methods

Computer Skills
- Microsoft Office Suite: Advanced (Word, Excel, Powerpoint)
- SPSS: Proficient (conducted descriptive statistics, multivariate analysis, and regression analysis)
- R, JASP: Intermediate (performed trajectory modeling and data visualization)
- SAS, Python: Basic (data cleaning and network analysis)

Language Skills
- English:
  - Reading/Writing: Fluent (academic texts and grant proposals)
  - Speaking/Listening: Proficient (academic discussions and presentations)
- Chinese: Basic (able to understand simple texts and basic conversations)
- Korean: Native proficiency

DISSERTATIONS

1. Social determinants of health related to habitual caffeine consumption in emerging adulthood: A mixed methods research. *PhD Dissertation*. (2024).

2. Association among andropause symptoms, perceived stress, sleep quality, and health-related quality of life in middle-aged males. *MSN Dissertation*. (2021).

PUBLICATIONS (*corresponding author)

1. **Lee, J.**, Lee, H.*, & Lee, H. (2024). Navigating healthier beverage consumption in adolescents using the "R-Ma Bot" chatbot: A usability and evaluation study. *Digital health*, *10*, 20552076241283243.

2. **Lee, J.**, & Yoon, H.*. (2023). The Development and Evaluation of the Online Respiratory Infectious Disease Nursing Simulation Course for Nursing Students. *J. Korean Soc. Simul. Nurs, 11*(2), 91-106.

3. **Lee, J.**, Lee, H.*, Lee, H., Konlan, K. D., & Shim, S. *(In review).* Digital-based Living Lab(D-LLab) intervention to promote healthy diet behaviours in adolescents.

4. **Lee, J.**, Lee, H.*, Lee, H., Hwang, G., Sun, H., Kang, C., & Ibrahim, Z. A. *(In review).* Changes in weight-loss–related social norms over the past 20 years: A semantic network analysis and a topic modeling.

5. **Lee, J.**, Lee, H.*, & Lee, H. *(In review).* Psychometric properties of Korea version of the Adolescent Discrimination Distress Index (K-ADDI).

6. Konlan, K. D., Ibrahim, Z. A., **Lee, J.**, & Lee, H.* *(In review).* Intervention implementation outcomes for digital health interventions among young adults: A scoping review.

7. Lee, H., Lee, H.*, **Lee, J.**, Hwang, G., Ibrahim, Z. A., & Kang, C. *(In review).* Unhealthy weight management behaviors among emerging adults: A secondary data analysis.

8. **Lee, J.**, Shim, S., Park, C., Lee, H., & Lee, H.* *(In preparation).* Effects of personalized feedback from the R-Ma Bot on reducing sugar intake from beverages in adolescents: A group-based trajectory modeling approach.

9. Sun, H., Lee, H.*, **Lee, J.**, Kang, C., Ibrahim, Z. A., & Lee, H. *(In preparation).* Moderating effect of discrimination distress on the relationship between subjective social status and subjective well-being in racial/ethnic minority adolescents in South Korea.

10. Hwang, G., Kang, C., **Lee, J.**, Lee, H., Sun, H., Ibrahim, Z. A., & Lee, H.* *(In preparation).* Research trends in unhealthy weight management behavior and social media influence among women in emerging adulthood: Systematic review.

PRESENTATIONS

1. **Lee, J.**, Lee, H., Lee, H., & Hwang, G. (2024, June). *Social norms of body image for young women over the past decade: A text-mining analysis of news big data.* Poster presentation at Nutrition 2024

2. Lee, H., Lee, H., **Lee, J.**, Hwang, G., & Sun. H. (2024, June). *Gender discrepancies in mental health, body image, and unhealthy weight management behaviors among young adults.* Poster presentation at Nutrition 2024

3. Lee, H., Lee, H., **Lee, J.**, & Hwang, G. (2024, June). *Unhealthy weight management behaviors and social determinants of health among the emerging adult population: A secondary data analysis.* Poster presentation at Nutrition 2024

4. **Lee, J.**, Lee, H., Lee, H., Hong, S., & Lim, H. (2023, November). *Lessons learned from developing a chatbot intervention for healthy beverage consumption among youth.* Poster presentation at 2023 American Public Health Association

5. **Lee, J.**, Seo, W., & Lee, H. (2023, September). *Caffeine and menstruation disorders in young adult women: A scoping review.* <u>Oral</u> presentation at 2023 Yonsei International Nursing Conference

6. Lee, H., **Lee, J.**, & Lee, H. (2023, September). *Content validity of the Korean inventory version of the adolescent discrimination distress: A cognitive interview.* Poster presentation at 2023 Yonsei International Nursing Conference

7. Konlan, K., Ibrahim, Z., **Lee, J.**, & Lee, H. (2023, September). *Intervention implementation outcome or digital health interventions among young adults: A scoping review.* Poster presentation at 2023 Yonsei International Nursing Conference

8. Lee, J., Lee, H., Hong, S., & Lim, H. (2023, June). *Development and application of Korean version of Chatbot Usability Questionnaire (CUQ).* Poster presentation at 2023 Summer conference of Korea Academy of Community Health Nursing

9. Lee, H., & **Lee, J.** (2023, June). *Media health literacy based sexual and reproductive health promotion intervention research trend analysis for adolescents: Scoping review.* Poster presentation at 2023 Summer conference of Korea Academy of Community Health Nursing

10. **Lee, J.**, Lee, H., Lee, H., Hong, S., & Lim, H. (2022, December). *Development of multicultural health research online platform.* Poster presentation at 2022 Winter conference of Korea Academy of Community Health Nursing

11. **Lee, J.**, Lee, H., Lee, H., Konlan, K. D., & Seo, J. (2022, November). *Living lab: Design a digital health intervention for healthy diet of ethnic minority adolescents.* Poster presentation at 15th European Public Health conference 2022

12. **Lee, J.**, Lee, H., Lee, H., Konlan, K., Seo, J., Hong, S., & Lim, H. (2022, October). *Experiences and lessons from applying digital-based Living Lab: Interventions on healthy eating habits of multicultural adolescents.* Poster presentation at 2022 Fall conference of Korea Society of Nursing Science

13. Sun, H., Lee, H., **Lee, J.**, Lee, H., Kang, C., & Ibrahim, Z. A. (Abstract accepted/2025, June). *The effect of subjective social status on subjective well-being in racial/ethnic minority adolescents: Moderating effect of discrimination distress.* Poster presentation at ICN Congress 2025 Helsinki

14. **Lee, J.**, Lee, H., Lee, H., Hwang, G., Sun, H., Kang, C., & Ibrahim, Z. A. (Abstract accepted/2025, June). *What social norms drive unhealthy weight control behaviors? A text mining analysis of news data.* Poster presentation at ICN Congress 2025 Helsinki

15. Kang, C., Lee, H., Lee, H., Hwang, G., **Lee, J.**, Sun, H., & Ibrahim, Z. A. (Abstract accepted/2025, July). *Research trends on unhealthy weight management behavior and social media among women in emerging adulthood: Systematic review.* Poster presentation at 36th Sigma International Nursing Research Congress 2025 Seattle

INTELLCTUAL PROPERTY RIGHTS

1. Patent (Application number: 10-2023-0163717)   Korea, 2023
   : Chatbot-based personalized health management system for cultivating healthy beverage consumption habits

GRANTS AND FELLOWSHIPS

Submitted Grant Proposals

1. PhD Dissertation Research Grant, Health Fellowship Foundation   May 2024
   : Drafted *"Social determinants of health related to habitual caffeine consumption in emerging adulthood: A mixed methods study"*

2. PhD Fellowship Grant, National Research Foundation (NRF) of Korea   Mar 2024
   : Drafted *"Social determinants of health related to habitual caffeine consumption in emerging adulthood: A mixed methods study"*

3. PhD Fellowship Grant, National Research Foundation (NRF) of Korea   Sep 2023
   : Drafted *"Development of a health predictive modeling for habitual caffeine intake behavior in young adults"*

4. Research Grant, National Research Foundation (NRF) of Korea   Jun 2023
   : Participated as a Project Manager for a $680,000 five-year project, *"Emerging adulthood population (18-25) health study: Prediction and intervention of unhealthy weight management behaviors,"* under the supervision of Dr. Hyeonkyeong Lee (PI); contributed to proposal drafting and research framework development.

Scholarship Recipient

1. BK21 Research Fellowship, National Research Foundation   Mar 2022-Feb 2025

2. Incubating Idea Fellowship for Dissertation, Yonsei University (₩2,000,000)   Sep 2024
   : *"Social determinants of health related to habitual caffeine consumption in emerging adulthood: A mixed methods study"*

3. Best Nursing Student Scholarship, Yonsei University (₩3,000,000)　　　　　Mar 2023

4. Social Problem-Solving Scholarship, Yonsei University (₩1,000,000)　　　　　Dec 2022
   : Received a scholarship for proposing evidence-based solutions to global health issues during the International Nursing Seminar course

5. Incubating Idea Fellowship for Research, Yonsei University (₩1,000,000)　　　　Sep 2022
   : *"Development of chatbot scenarios to improve diet and physical activity of multicultural adolescents"*

AWARDS

1. Best nursing student scholarship for academic excellence　　　　　Mar 2023

2. Excellent research presentation (poster) by Korean Academy of Community Health Nursing　　Dec 2022
   : First author(presenter) of *"Development of Multicultural Health Research Online Platform"*

3. Excellent research presentation (poster) by Korean Society of Nursing Science　　　Oct 2022
   : First author(presenter) of *"Experiences and Lessons from Applying Digital-Based Living Lab: Interventions on Healthy Eating Habits of Multicultural Adolescents"*

4. The top graduate of the nursing school for academic excellence　　　　　Feb 2022

PROFESSIONAL MEMBERSHIPS

- Sigma Theta Tau (International, Korea)　　　　　2023.06-Present
- Korean Society of Nursing Science　　　　　2022-Present
- Korean Academy of Community Health Nursing　　　　　2022-Present
- Korean Nurses Association　　　　　2016-Present