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Appointment: Assistant Professor

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Vivien Xi WU

PhD, MEd(C&T), BN, BC&IT, RN

Dr Vivien is an Assistant Professor at Alice Lee Centre for Nursing Studies, Yong Loo Lin School of Medicine, National University of Singapore. Vivien has been a central committee member in the Centre for Healthcare Simulation (CHS) at National University of Singapore. She has facilitated simulation-pedagogical workshops for local and international medical and nursing clinicians.

Dr Vivien's research interests focus on four major areas: **Intergenerational Programs** to promote Healthy Ageing in the Community; **Chronic Disease Management** for patients and caregivers; Professional development of the **Healthcare Workforce**; and **Nursing Education**. Vivien has published widely in international refereed journals and book chapters. Vivien has served as editorial board reviewer for four International Nursing Journals.

Dr Vivien has been awarded with **National University of Singapore (NUS) Start Up Grant** in 2019, **Ministry of Education Tertiary-Research Fund (MOE-TRF)** in 2017 for the Healthcare Workforce Professional Development study, **Research Grant for Doctoral Studies by Institute of Adult Learning, Singapore** in 2014. She is a recipient of **grants from NUS, Centre for Teaching & Learning (CDTL)** and the **Sigma Theta Tau International Honor Society of Nursing (Upsilon Eta Chapter)** in 2014 to support the research studies on clinical assessment for Undergraduate Nursing Education. Currently, she has obtained **Mind-Science Centre Seed Grant, NUS** in 2019 to work on the collaborative project that focuses on the intergenerational project to promote healthy aging in the community in Singapore. In addition, Vivien has been awarded with **Ministry of Health-Health Science Research Grant** to work on project to enhance self-management of chronic conditions (stroke, chronic heart failure) for patients and caregivers.

Academic/Professional Qualifications & Registration

- PhD, Jönköping University, Sweden
- Master of Education (Curriculum & Teaching), National Institute of Education, Nanyang Technological University, Singapore
- Bachelor of Nursing (Merit Award), University of Sydney, Australia
- Bachelor of Commerce and Information Technology, Curtin University of Technology, Australia
- Diploma in Nursing, Nanyang Polytechnic, Singapore
- Certificate of Critical Care Nursing Course, Institute of Advanced Nursing, Singapore General Hospital, Singapore
- Certificate of Neuroscience Nursing Course, Institute of Advanced Nursing, Singapore General Hospital, Singapore
- Registered Nurse, Singapore Nursing Board, Singapore

Research Interests

- Intergenerational Programs to promote Healthy Ageing in the Community
- Chronic Disease Management for patients and caregivers
- Professional development of the Healthcare Workforce
- Innovative Pedagogy & Simulation-based Learning
- Development and validation of Clinical and Educational Assessment Tools

Research Grants

| Year PI/Co-PI | Funding Agency | Project Title | Funding Amount (SGD\$) |
|---|--|---|------------------------------|
| Dec 2019 to Nov 2022 Principal Investigator | National University of Singapore Start Up Grant 2019 | Nurse-Led E-Health Program for Community-Dwelling Older Adults Living with Chronic Diseases | \$200,000 |
| Jun 2018 to May 2020 Principal Investigator | MOE Tertiary Education Grant 2017 | Web-based clinical pedagogy program to enhance nurse preceptors' teaching competency and nursing students' learning outcomes in clinical competency | \$238,808 |
| Mar 2019 to Feb 2021 | Mind-Science Centre Seed Grant, NUS, 2019 | Intergenerational Reminiscence and Narrative Therapy (ReNT) to enhance | \$50,000 |

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| Co-Principal Investigator | | the mental health and intergenerational relationship: A Randomized Controlled Trial | |
| Feb 2017 to Feb 2020 Co-Investigator | Health Science Research Grant, National Medical Research Council, Ministry of Health, Singapore (HSRGWS16Jul007) | HOME-based HEart Failure Self-Management Programme Study (The HOM-HEMP Study): A Randomised Controlled Trial | \$503,776 |
| Jul 2018 to Jun 2020 Co-Investigator | Centre for Teaching & Learning, Teaching Enhancement Grant (AY 2018/2019) | An interdisciplinary approach to embedding critical reflection in nursing practice | \$16,496.80 |
| May 2014 to Dec 2016 Principal Investigator | Institute of Adult Learning Research Grant for Doctoral Studies, Singapore (IAL_RGDS_VW_01) | Holistic Clinical Assessment for nursing students at Transition to Practice | \$100,000 |
| Nov 2014 to Apr 2017 Co-Investigator | Singapore Heart Foundation Research Grant 2013 (RG 2013/02) | Improving knowledge and awareness of coronary heart disease among working population through a mHealth programme | \$80,000 |
| Oct 2014 to Dec 2016 Principal Investigator | Centre for Teaching & Learning, Teaching Enhancement Grant (AY2014/15) | Development of Holistic Clinical Assessment for nursing students at Transition to Practice | \$7,600 |
| Oct 2014 to Dec 2015 Principal Investigator | Sigma Theta Tau International, Upsilon Eta Chapter Research Grant 2014 | Holistic Clinical Assessment for nursing students at Transition to Practice | \$1,000 |
| Aug 2012 to Jul 2014 Co-Principal Investigator | Singapore Heart Foundation | Effectiveness of a Compression-Focus Bystander's CPR learning programme - A randomized controlled trial | \$40,000 |

Teaching Areas

- Comprehensive Health Assessment
- Issues for Contemporary Nursing Practice
- Clinical Decision Making
- Pathophysiology, Pharmacology, and Nursing Practice I, II & III
- Maternal and Child Health
- Interprofessional Education on Ethical and Legal Issues

Selected Publications

1. Haugan, G., Eide, W. M., André, B., **Wu, X.V.**, Rinnan, E., Taasen, S. E., Kuven, B. M., Drageset, J. (2020). Joy-of-life in cognitively intact nursing home patients: the impact of the nurse-patient interaction, *Scandinavian Journal of Caring Sciences*. DOI: 10.1111/scs.12836
2. Cheng, L.J., **Wu, X.V.**, Jiang, Y., Wang, W. (2019). Effectiveness of Vinegar Consumption on Glycemic Control in Patients with Type II Diabetes: A Systematic Review and Meta-analysis. *Journal of Advanced Nursing*, DOI:10.1111/jan.14255 [IF: 2.759]
3. **Wu, X. V.***, Chi Y.C., Chan, Y. S., Wang, W., Ang, E.N.K., Zhao S. D., Sehgal, V., Wee F. C., Selvam, Devi, M. K. (2019). A web-based clinical pedagogy program to enhance nurse preceptors' teaching competencies – An innovative process of development and pilot program evaluation. *Nurse Education Today*, <https://doi.org/10.1016/j.nedt.2019.104215> [IF: 2.636]
4. Chan, D. Y. M. **Wu, X. V.**, Chan, E. Y., & Goh, Y. S. (2019). Effectiveness of Nurse-Led Tele-coaching on the Modifiable Cardiovascular risk factors in people with Type 2 diabetes mellitus: A systematic review and Meta-analysis. *Worldviews on Evidence-Based Nursing*. DOI:10.1111/wvn.12409
5. Soh, Z.P.X., Wang, W., Hassan, N., Png, G.K., & **Wu, X. V.*** (2019). Risk of Skin Tears and its Predictors among Hospitalised Older Adults in Singapore. *International Journal of Nursing Practice*. DOI:10.1111/ijn.12790
6. Jiang Y., Jiao N., **Wu X. V.**, Nguyen, H., Lopez, V., Kowitlawakul, Y., Poo, C. C. D., Wang W. (2019). Effect of a mHealth program on awareness, knowledge, stress and lifestyle of coronary heart disease among working population in Singapore. *Journal of Advanced Nursing*. [IF: 2.759]
7. Jiang, Y., Shorey, S., Nguyen, H. D., **Wu, X. V.**, Lee, C. Y., Yang, L.F., Koh, K. W. L., & Wang, W. (2019). The development and pilot study of a nurse-led HOME-based HEart failure self-Management Programme (the HOM-HEMP) for patients with chronic heart failure, following Medical Research Council guidelines. *European Journal of Cardiovascular Nursing*.
8. Cheng, L.J., Wang, W.*, Lim, S.T., & **Wu, X.V.** (2019). Factors associated with glycemic control in patients with diabetes mellitus: A systematic literature review. *Journal of Clinical Nursing*. Doi: 10.1111/jocn.14795. [IF: 1.852]
9. Zhang H., Goh, H.S., **Wu, X.V.**, Wang, W., Mörelius, E. (2019). Prelicensure nursing students' perspectives on video-assisted debriefing following high fidelity simulation: A qualitative study. *Nurse Education Today*, 79. DOI: 10.1016/j.nedt.2019.05.001[IF: 2.636]
10. Jiang Y., Jiao N., **Wu, X. V.**, Nguyen, H., Lopez, V., Kowitlawakul, Y., Poo, C. C. D., Wang, W. (2019). Effect of a mHealth program on coronary heart disease prevention among working population in Singapore: A single group pretest-posttest design. *Journal of Advanced Nursing*. [IF: 2.759]
11. **Wu, X. V.***, Chan, Y. S., Tan, K. H. S., & Wang, W. (2018). A systematic review of online learning programs for nurse preceptors. *Nurse Education Today*, 60, 11-22. doi:<https://doi.org/10.1016/j.nedt.2017.09.010> [IF: 2.636]

12. Wang, W., Lim, J.Y., Lopez, V., **Wu, X. V.**, Lee, C.R., He, H-G., & Jiang, Y. (2018). The effect of a self-help psychoeducation programme for people with coronary heart disease: A randomized controlled trial. *Journal of Advanced Nursing*, doi: 10.1111/jan.13793. [IF: 2.759]
13. Cheng, L.J., **Wu, X. V.**, Dawkes, S., Lim, S.T., Wang, W. (2018). Factors influencing diet barriers among outpatients with poorly controlled type 2 diabetes: A descriptive correlational study. *Nursing & Health Sciences*, DOI: 10.1111/nhs.12569. [IF: 1.347]
14. Tan, H.C, Koh, W.L.K., **Wu, X.V.**, Li., T.W., & Wang, W.* (2018). Health-related quality of life, psychological distress, and symptom burden in an Asian population of outpatients with atrial fibrillation. *Heart & Lung*, doi:10.1016/j.hrtlng.2018.05.011. 5-Y IF: 1.832
15. Ooi, S.L., Seah, B., **Wu, V.X.**, Koh, W.L.K., Jiao, N., He, H-G., & Wang, W.* (2018). Perceptions of Singaporean patients living with implantable cardioverter defibrillators: An exploratory qualitative study. *Heart & Lung*, accepted on 2 April 2018. [IF: 1.825]
16. **Wu, X. V.***, Enskär, K., Pua, L. H., Heng, D. G. N., & Wang, W. (2017). Clinical nurse leaders' and academics' perspectives in clinical assessment of final-year nursing students: A qualitative study. *Nursing and Health Science*, doi: 10.1111/nhs.12342 [IF: 1.347]
17. Ko, R. J. M., Lim, S. H., Tam, **Wu, X. V.**, Tak, Y. L., & Liaw, S. Y. (2017). Easy-to-learn cardiopulmonary resuscitation training programme: a randomised controlled trial on laypeople's resuscitation performance. *Singapore medical journal*, DOI:10.11622/smedj.2017084
18. **Wu, X. V.***, Enskär, K., Pua, L. H., Heng, D. G. N., & Wang, W. (2016). Development and psychometric testing of Holistic Clinical Assessment Tool (HCAT) for undergraduate nursing students. *BMC Medical Education*, 16(1), 1-9. doi:10.1186/s12909-016-0768-0 [IF: 2.09]
19. **Wu, X. V.***, Enskär, K., Heng, G. N. D., Pua, L. H., & Wang, W. (2016). The perspectives of preceptors regarding clinical assessment for undergraduate nursing students. *International Nursing Review*, 63(3), 473-481. doi: 10.1111/inr.12272 [IF: 1.073]
20. **Wu, V. X.***, Wang, W., Pua, L. H., Heng, G.N.D., & Enskär, K. (2016). Undergraduate nursing students' perspectives on clinical assessment at transition to practice. *Contemporary Nurse: A Journal for the Australian Nursing Profession*, 00, 1-14. doi: 10.1080/10376178.2016.1163232 [IF: 0.908]
21. Chong, E. J. M., Lim, J. S. W., Liu, Y., Lau, Y. Y. L., & **Wu, V. X.** (2016). Improvement of learning domains of nursing students with the use of authentic assessment pedagogy in clinical practice. *Nurse Education in Practice*, 20, 125-130. doi: <http://dx.doi.org/10.1016/j.nepr.2016.08.002> [IF: 0.964]
22. Ramachandran, H.J., **Wu, V.X.**, He, H-G, Jiang, Y., & Wang, W. (2016). Awareness, knowledge, healthy lifestyle behaviours, and their correlates of coronary heart disease among working women in Singapore. *Heart & Lung*, 45 (4), 341-349. doi:10.1016/j.hrtlng.2016.05.034. [IF: 1.521]
23. Ramachandran, H.J., **Wu, V.X.**, Kowitlawakul, Y., & Wang, W. (2016). Awareness, knowledge and healthy lifestyle behaviours related to coronary heart disease among women: an integrative review. *Heart & Lung*, 45(3), 173-185. doi:10.1016/j.hrtlng.2016.02.004. [IF: 1.521]
24. Ko, R. J. M., **Wu, X. V.**, Lim, S. H., Tam, W. W. S., & Liaw, S. Y. (2016). Compression-only cardiopulmonary resuscitation in improving bystanders' cardiopulmonary resuscitation performance: a literature review. *Emergency Medical Journal*, 0, 1-7. doi:10.1136/emered-2015-204771 [IF: 1.836]
25. **Wu, X. V.***, Enskär, K., Lee, C. C. S., & Wang, W. (2015). A systematic review of clinical assessment for undergraduate nursing students. *Nurse Education Today*, 35(2), 347-359. doi: <http://dx.doi.org/10.1016/j.nedt.2014.11.016> [IF: 1.837]

26. **Wu, X. V.***, Heng, M. A., & Wang, W. (2015). Nursing students' experiences with the use of authentic assessment rubric and case approach in the clinical laboratories. *Nurse Education Today*, 35(4), 549-555. doi: <http://dx.doi.org/10.1016/j.nedt.2014.12.009> [IF: 1.837]
27. Wang, W., Zhang, H., Lopez, V., **Wu, X.V.**, Poo, D.C.C., & Kowitlawakul, Y. (2015). Improving awareness, knowledge and heart-related lifestyle of coronary heart disease among working population through a mHealth programme: study protocol. *Journal of Advanced Nursing*, doi:10.1111/jan.12668 [IF: 1.917]
28. **Wu, X. V.*** (2013). A reflection on nursing education and practice. *Singapore Nursing Journal*, 40(1), 42-46.
29. **Wu, X. V.***, Tham, L., Lau, S. T. L., Tan-Toh, Y. M., Tan, K. K. (2010). An exploration of the critical thinking dispositions of students and their relationship with the preference for simulation as a learning style. *Singapore Nursing Journal*, 37(2), 26-33.
30. **Wu, X. V.*** (2012). Redesigning authentic assessments in nursing education. In Koh, K., & Yeo, J. (eds.), *Mastering the art of authentic assessments, Vol II: From challenges from champions*. Singapore: Pearson.

Awards/Honours

- 2019 **Teaching Excellence Award**, Yong Loo Lin School of Medicine, National University of Singapore
- 2018 **Best Presentation Award**, 20th International Conference on Nursing and Clinical Practice, Tokyo, Japan
- 2016 Featured as a **Researcher by 'Vård'** (Care), a leading Healthcare Journal in Sweden
- 2016 Certificate of **'Outstanding Contribution in Reviewing'** by Nurse Education Today
- 2016 Certificate of **Appreciation for sharing her valuable knowledge** at 3rd Asia-Pacific Meeting on Simulation in Healthcare
- 2014 Institute of Adult Learning, Singapore, **Research Grant for PhD study**
- 2014 Sigma Theta Tau International, Upsilon Eta Chapter, **Research Seed Grant** for PhD study
- 2014 Featured on the **'Faces of Institute of Adult Learning, Singapore'**, IALeads, <https://www.ial.edu.sg/content/ialeads/buzz01-facesof-IALresearch-grant.htm>
- 2012 **Judge for Nursing Oral & Posters presentations** at Eastern Health Alliance Scientific Meeting, Changi General Hospital and St Andrew's Community Hospital
- 2010 **Silver Award, National Public Service 21 EXSA**, for contribution and commitment to excellent service, Singapore
- 2009 **Service Star Award for service excellence** in coordinating students' clinical placement with the hospitals, Institute of Technical Education
- 2008 **Silver Award for Excel Convention**, Innovative Learning Circle Project (Narrow Z Gap – Enhancing confidence of students in performing nursing skills during Clinical Practice), Institute of Technical Education, Singapore
- 2007 **Staff Commendation Award** for 'display of teamwork, commitment and care to lead the students in developing their photography skills', Institute of Technical Education, College East
- 2007 **Silver Award for National Innovation & Quality Circles Convention**, Innovative Learning Circle Project (i_u_talk.com), SPRING Singapore

2006 **Gold Award for EXCEL Convention**, Innovative Learning Circle Project (i_u_talk.com),
Institute of Technical Education, Singapore

Professional Service

- Reviewer for 'Journal of Advanced Nursing'
- Reviewer for 'Nurse Education Today', Received 'Outstanding contribution in Reviewing' Award
- Reviewer for 'BMC Nursing'
- Reviewer for 'Nurse Education in Practice'
- Reviewer for 'Singapore Nursing Journal'
- Scientific Committee for International Nurse Education Conference in Apr 2018
- Scientific Committee for East Asian Forum of Nursing Scholars in Jan 2019
- Reviewer for Sigma's 31st International Nursing Research Congress in Abu Dhabi, United Arab Emirates, July 2020
- Reviewer for Health Advocacy – Strengthening the Voices and Capacities of Health Professionals, Chiang Mai, Thailand, June 2020