

## Dr V Vien Lee

**Designations:**

Research Fellow, Division of Family Medicine, Yong Loo Lin School of Medicine, National University of Singapore (NUS)

**Qualifications:**

BSc (Hons), PhD

Dr V Vien Lee graduated with a Bachelor of Science (Hons) from The University of Melbourne in 2013 and attained her Doctor of Philosophy (Psychology) from RMIT University in 2019. As a Research Fellow, she is part of the Primary Care Research Unit (PCRU) which develops and engages in a wide variety of research within the primary care setting. She is also involved in teaching and mentoring of research students.

## Awards

2022	First runner up, Huawei Tech4City Competition
2022	Winner, Co-design Week by College of Design and Engineering, National University of Singapore
2018	RMIT Higher Degree Research Publication Prize
2017	Australasian Sleep Association's Student Travel Award
2017	RMIT Higher Degree Research Travel Grant
2015	Sleep Research Society Abstract Merit Based Award, APSS SLEEP 2015, Seattle, USA

## Research Interests

- Behavioural Science
- Digital health
- Primary care and multimorbidity
- Qualitative research

## Journals & Publications

1. Lee VV\*, van der Lubbe SCC\*, Goh LH & Valderas JM. Harnessing ChatGPT for thematic analysis: are we ready? arXiv. Submitted 23 October 2023. Preprint: <https://arxiv.org/abs/2310.14545> \*co-first authors
2. Lee VV, Vijayakumar S, Ng WY, Lau NY, Leong QY, Ooi DSQ, Su LL, Lee YS, Chan SY, Blasiak A & Ho D. (2023). Personalization and localization as key user

expectations of digital health intervention for women before, during and after pregnancy: A qualitative study. NPJ Digital Medicine, 6(183). doi: 10.1038/s41746-023-00924-6

3. Chua CE, Lau NY, Lee VV, Blasiak A, Chia CTW, Ong AML, Tan TL, Ng YK, Loo WM, Low EXS, Sze KCP, Ang D, Soh AYS, Ho D & Siah KTH. (2023). Knowledge, attitudes and practices of doctors on constipation management in Singapore. Annals, Academy of Medicine Singapore. doi: 10.47102/annals-acadmed.sg.2023270
4. Lee VV\*, Lau NY\*, Blasiak A, Siah KTH & Ho D. Involving patients in the process: development of a constipation patient-reported outcome measure for symptoms and quality of life. (2023). Computational and Structural Biotechnology, 22, 41-49. doi: 10.1016/j.csbj.2023.09.034 \*co-first authors
5. Vijayakumar S, Lee VV, Leong QY, Hong SJ, Blasiak A & Ho D. (2023). Doctor perceptions towards AI in CDSS: A qualitative study of the CURATE.AI personalized combination therapy dosing platform. JMIR Human Factors, 10, e48476. doi: 10.2196/48476
6. Truong ATL, Tan SB, Yeung W, Egermark M, Lee VV, Chan MY, Kumar KS, Tan LWJ, Vijayakumar S, Blasiak A, Wang LYT & Ho D. (2023). CURATE.AI-assisted dose titration for anti-hypertensive personalized therapy (CURATE.AI-ADAPT): Study protocol for multi-feasibility trial using CURATE.AI. European Health Journal – Digital Health, ztad063. doi: 10.1093/ehjdh/ztad063
7. Song SW, Gupta R, Niharika J, Qian X, Gu Y, Lee VV, Sapanel Y, Allen DM, Wong JE, MacAry PA, Ho D & Blasiak A. (2023). SHEAR saliva collection device augments sample properties for improved analytical performance. Bioengineering & Translational Medicine, e10490. doi: 10.1101/2022.07.07.22277204.
8. Blasiak A, Sapanel Y, Leitman D, Ng WY, De Nicola R, Lee VV, Todorov A & Ho D. (2022). Omnichannel communication to boost patient engagement and behavioural change with digital health interventions. Journal of Medical Internet Research, 24(11), e41463. doi: 10.2196/41463
9. Lee VV, Vijayakumar S, Lau NY, Blasiak A, Siah KTH & Ho D (2022). Understanding the user: Patients' perception, needs and concerns of health apps for chronic constipation. Digital Health, 8, 20552076221104673. doi: 10.1177/20552076221104673.
10. Lee VV, Lau NY, Xi DJY, Blasiak A, Siah KTH & Ho D (2022). A systematic review of the development and psychometric properties of constipation-related patient-reported outcome measures: Opportunities for digital health. Journal of Neurogastroenterology and Motility, 28(3), 376-389. doi: 10.5056/jnm22004.
11. Lee VV, Schembri R, Jordan AS & Jackson ML. (2022). The independent effects of sleep deprivation and sleep fragmentation on processing of emotional information. Behavioural Brain Research, 424, 113802. doi: 10.1016/j.bbr.2022.113802.

12. Varma P, Conduit R, Junge M, Lee VV & Jackson ML. (2021). A systematic review of sleep associations in parents and children. *Journal of Child and Family Studies*, 1-13. doi: 10.1007/s10826-021-02002-5
13. Jackson ML, Tolson J, Schembri R, Bartlett D, Rayner G, Lee VV & Barnes M. Does continuous positive airway pressure (CPAP) treatment improve depression in obstructive sleep apnea? A randomised wait-list controlled study. (2021). *Depression & Anxiety*, 38(5), 498-507. doi: 10.1002/da.23131.
14. Konjarski M, Murray G, Lee VV & Jackson ML. (2018). Reciprocal relationships between daily sleep and mood: A systematic review of naturalistic prospective studies. *Sleep Medicine Reviews*, 42, 47-58. doi: 10.1016/j.smr.2018.05.005.
15. Cori JM, Nicholas CL, Avraam J, Lee VV, Schembri R, Jackson ML & Jordan AS. (2018). The effects of sleep fragmentation and sleep deprivation on the response of the genioglossus muscle to inspiration resistive loads. *Journal of Clinical Sleep Medicine*, 14(5), 715-724. doi: 10.5664/jcsm.7090.
16. Lee VV, Trinder J & Jackson ML. (2016). Autobiographical memory impairment in obstructive sleep apnoea patients with and without depressive symptoms. *Journal of Sleep Research*, 25(5), 605-611. doi: 10.1111/jsr.12418.

---

**Email:**  
[vvien.lee@nus.edu.sg](mailto:vvien.lee@nus.edu.sg)

*Updated 21 Nov 2023*