



Grace Hoo Si Ru

Principal Pharmacist (Specialist), Pharmacy, TTSH/NCID

Research Interests:

- Antimicrobial pharmacotherapy and resistance
- Pharmacokinetics and pharmacodynamics
- Quality improvement and medication safety

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Biography

Grace graduated with a BSc (Pharm)(Hon) from the National University of Singapore in 2011. She has also pursued a MSc(Infectious Disease) from the London School of Hygiene and Tropical Medicine and completed her Infectious Disease Residency training. She currently practices as an Infectious Disease Specialist Pharmacist at the National Centre of Infectious Diseases (NCID). Grace is also part of the NCID Quality and Safety Committee, overseeing quality and patient safety related issues within the institution and is a champion for medication safety.

Selected Publications

- Estimating the economic cost of carbapenem resistant Enterobacterales healthcare associated infections in Singapore acute-care hospitals. PLOS Glob Public Health. 2022 Dec 7;2(12):e0001311. 12/2022
- Preferences of Healthcare Professionals on 3D-printed tablets: A Pilot Study. Pharmaceutics. 2022 Jul 21;14(7):1521. 07/2022
- Predictors and outcomes of healthcare-associated infections caused by carbapenem-nonsusceptible Enterobacterales: A parallel matched case-control study. Front Cell Infect Microbiol 2022 Feb 24;12:719421. 02/2022
- Therapeutic drug monitoring of meropenem and piperacillin-tazobactam in the Singapore critically ill population—A prospective, multi-center, observational study (BLAST-1). J Crit Care. 2022 Apr;68:107-113. 01/2022

- Safety and effectiveness of switching to Abacavir/Lamivudine plus rilpivirine for maintenance therapy in virologically suppressed HIV-1 individuals in Singapore (SEALS). *AIDS Res Ther.* 2021 Nov 1;18(1):80. 11/2021
- Meropenem and piperacillin-tazobactam levels for critical care patients during empiric therapy. *Ann Acad Med Singap.* 2021 May;50(5):447-449. 05/2021
- Optimisation of antimicrobial dosing based on pharmacokinetic and pharmacodynamics principles. *Indian J Med Microbiol.* 2017 Jul-Sep;35(3):340-346. 07/2017
- First use of bedaquiline in a patient with XDR-TB in Singapore. *BMJ Case Rep.* 2015 Sep 23;2015:bcr2015210961. 09/2015