

ASCEPT-APSA 2020 Posters

as at 7 October 2020

All poster presentations will be uploaded to the poster gallery and can be viewed at your leisure throughout the virtual meeting and also for a period of time both before and after the virtual meeting.

Cardiovascular
<p>Correlating functional studies of human bitter taste receptors (T2Rs) in humans and mice Mr Conor Bloxham, The University of Queensland</p>
<p>Pharmacological plasma cell depletion with Bortezomib does not attenuate angiotensin II-induced hypertension Ms Hericka Bruna Figueiredo Galvão, La Trobe University</p>
<p>Raising awareness and early detection of undiagnosed atrial fibrillation through a systematic population-based screening program in Tasmania Mr Ibrahim Jatau Abubakar, University of Tasmania</p>
<p>Rivaroxaban for people with stage 4 chronic kidney disease and atrial fibrillation Mrs Andreea Kelso, Queensland Health, Princess Alexandra Hospital</p>
<p>Pravastatin targeting of myometrial artery endothelium-dependent vasodilation in preeclampsia Mr Nathan Luque, University of New South Wales</p>
<p>Cannabidiol, a clinically important Cannabis compound, causes significant and selective effects in resistance arteries mediated by CGRP and calcium channels Ms Amna Maze, The University of Melbourne</p>
<p>Psychometric properties of self-reported medication adherence tools in cardiovascular disease: A systematic review Mr Henok Tegegn, University of New England</p>
Clinical Pharmacology
<p>Efficacy and safety of metaraminol infusions in critical care: A systematic review and meta-analysis Ms Arwa Abu Sardaneh, Royal Prince Alfred Hospital</p>
<p>Vancomycin dosing and therapeutic drug monitoring: A mixed methods study of prescribing practices Dr Jane Carland, St Vincent's Hospital</p>
<p>The association between menopausal status and remission in rheumatoid arthritis patients receiving disease-modifying antirheumatic drugs Mrs Dala Daraghme, University of South Australia</p>
<p>Chronic polypharmacy and increasing Drug Burden Index (DBI) impair cognitive function in aged mice Ms Gizem Gemikonakli, The University of Sydney</p>
<p>How are antibiotics prescribed for open reduction internal fixation procedures? Ms Sarah Hassan, RMIT University</p>
<p>Perceptions of Gout in East Asia Miss Maria Hernandez Castellanos, University of New South Wales</p>
<p>Bayesian approach shows lack of difference between Aboriginal and Caucasian kidney transplant recipients in mycophenolic and tacrolimus pharmacokinetics Prof Nick Holford, University of Auckland</p>
<p>Development and validation of a Liquid Chromatography tandem Mass Spectrometry (LCMSMS) assay investigating pharmacokinetics of phosphatidylethanol Prof David Joyce, University of Western Australia</p>
<p>Applications of using drug monitoring for Ivacaftor and Tezacaftor treatment response in Cystic Fibrosis Dr Elena Schneider-Futschik, The University of Melbourne</p>
<p>A step forward in patient safety – understanding barriers to correct intravenous medication administrations Miss Catriona Shen, University of New South Wales</p>
<p>Adverse drug reactions presenting to acute medical admissions: A pilot prevalence study Mr Jules Thompson, Cardiff University</p>

Clinical Pharmacology <i>continued</i>
<p>Application of physiologically-based pharmacokinetic modelling to understand real-world outcomes in patients receiving imatinib for chronic myeloid leukaemia Mrs Josephine Touma, The University of Sydney</p>
<p>VTE prophylaxis in orthopaedic surgery – patient individualised or ‘one-dose-fits-all’? Mr Nameer van Oosterom, The University of Queensland; Princess Alexandra Hospital</p>
Drug Discovery
<p>A common allosteric mechanism for stabilising agonist ligand binding at GPCRs Mr Wessel Burger, Monash University</p>
<p>The effect of single nucleotide polymorphisms on sweet taste receptor expression and cell surface trafficking Miss Jennifer Grant, University of New South Wales</p>
<p>Expanding the peptide synthesis toolkit to produce bicyclic peptide mimetics for drug discovery Ms QingQing Lin, The University of Melbourne</p>
<p>Understanding GPCR signal compartmentalisation using optogenetic methods Miss Chantel Mastos, Monash University</p>
<p>Effect of phenethyl-isothiocyanate on human breast cancer cells MDA-MB-231 and MCF-7 Dr Suong Ngo, The University of Adelaide</p>
<p>Copper complexes modulate the expression and function of P-glycoprotein at the blood-brain barrier Mr Jae Pyun, Monash University</p>
<p>GPCR-CoINPocket2.0: Refining the prediction of liganded pharmacological neighbours of unliganded orphan GPCRs Mr Sean So, University of New South Wales</p>
Drug Disposition and Response
<p>Evaluation of meropenem-tobramycin combination regimens against clinical hypermutable <i>Pseudomonas aeruginosa</i> via mechanism-based modelling and the dynamic hollow fibre infection model Ms Akosua Agyeman, Monash University</p>
<p>Synergistic ceftazidime and tobramycin combinations for clinical hypermutable <i>Pseudomonas aeruginosa</i> isolates; an innovative dosing approach to enhance bacterial killing and mitigate resistance in a dynamic biofilm model Ms Hajira Bilal, Monash University</p>
<p>UGT enzymes as dominant-negative regulators and novel modulators of nuclear receptor signaling Dr Julie-Ann Hulin, Flinders University</p>
<p>Effect of high Drug Burden Index polypharmacy on physical function and daily activities: Male and female, young and old mice Dr John Mach, The University of Sydney</p>
Education
<p>Survey of how and why students use resources in a pharmacology course Dr Sheila Duggrell, Queensland University of Technology</p>
<p>An examination of extemporaneous compounding skills, knowledge and confidence progression from undergraduate to practice: A pharmacy education perspective Mr Quang Hung Duong, Monash University</p>
<p>Communicating health risks of nicotine vaping products: A review of message feature, and source on harm perception and behavioural intentions Mr Daniel Erku, The University of Queensland</p>
<p>Integrating virtual simulation (MyDispense) for teaching comprehensive care pharmacy curriculum Dr Betty Exintaris, Monash University</p>
<p>Implementing and evaluating a course in professional ethics for the undergraduate pharmacy curriculum in Jordan Ms Leen Fino, The University of Sydney</p>
<p>Development and delivery of a pharmacology fundamental unit for first-year undergraduate students Dr Marina Junqueira Santiago, Macquarie University</p>
<p>Practising teamwork begins in the classroom: Tools to evaluate teamwork behaviour in small group activities Dr Nilushi Karunaratne, Monash University</p>
<p>Prevalence and predictors of health information overload in patients with a chronic condition: A national survey Mr Israa Khaleel, University of Tasmania</p>
<p>Students in the driving seat – online delivery of real time interactive practical classes Dr Makhala Khammy, The University of Melbourne</p>

Education <i>continued</i>
Using PollEverywhere and content chunking during remote delivery in an undergraduate course Dr Iris Lim, Bond University
iiBalls: An updated and expanded iris simulation to teach autonomic pharmacology and diagnostic ocular drugs Dr Graham Mackay, The University of Melbourne
Exploring transitional challenges in preparing pharmacy students for practice Miss Aisling McEvoy, Monash University
Improving communication with patients with regards to the risk of SGLT2 inhibitor-associated diabetic ketoacidosis Dr Tamara Milder, St Vincent's Hospital
COVID-19 and emergency online delivery: What worked for a pharmacology course? Dr Suong Ngo, The University of Adelaide
Type 2 diabetes – a risk of underdiagnosis in those with risk factors for diabetes Ms Emily Pickering, The University of Queensland
Meat in the sandwich? Effect of the pharmacy residency program on pharmacy educators Mr Chih Yuan (Jason) Wang, The University of Queensland
Inflammation/respiratory
The FFA4 agonist TUG891 relaxes mouse airways by inhibiting calcium oscillations but not sensitivity in precision cut lung slices Mr Liam Allan, Monash University
Ebselen prevents cigarette smoke-induced endothelial dysfunction in viral-induced exacerbations of COPD Mr Kurt Brassington, RMIT University
Differential activation of human MRGPRX2 by polymyxins and related antibiotics Miss Jie Ding, The University of Melbourne
The effect of substance P and its common metabolites on MRGPRX2 activation in human mast cells Miss Lin Hsin, The University of Melbourne
Expression profiling of specialised pro-resolving receptors in human peripheral blood mononuclear cells (PBMCs) and polymorphonuclear leukocytes (PMNs) Miss Julia Park, Monash University
Characterisation of chemokine-dependent signalling in monocytes via chemokine GPCRs CCR1 and CCR2 Miss Rina Pokhrel, Monash University
Neuro- and Behavioural Pharmacology
Involvement of P-glycoprotein (ABCB1) in the export of amyloid-beta from the Alzheimer's brain Miss Amanda Chai, The University of Sydney
Ivacaftor, a cystic fibrosis modulator drug, in pregnancy and lactation: Entry into the developing brain and lung Ms Fiona Qiu, The University of Melbourne
Can monitoring clozapine levels reduce the occurrence of peripheral ADRs? Ms Madeleine Tan, The University of Queensland
Male-female differences in the effects of age on mouse activities of daily living measured using an automated behavioural classification system Ms Trang Tran, The University of Sydney
Pharmaceutical Science
Self-nanomicellizing solid dispersion of USA612: Solubility improvement Ms Fatima Abid, University of South Australia
Does co-administering whole and crushed paracetamol with Gloup alter drug dissolution profile in vitro? Ms Marwa Abu Malouh, The University of Queensland
Co-amorphous kanamycin-amino acid spray-dried inhalable particles: The influence of feed concentration in achieving high aerosolization Mr Bishal Adhikari, University of Otago
Characterization of Novel Inulin hydrogels loaded with 5-fluorouracil for colon delivery Dr Franklin Afinjuomo, University of South Australia
Glycine-Proline-Glutamate loaded bi ligand niosomal delivery system interactions on Cell Models Mr Murad Al Gailani, University of Auckland
Hand sanitizer during COVID-19 in New Zealand: A response to the community by the School of Pharmacy, University of Otago Dr Shyamal Das, University of Otago

Pharmaceutical Science <i>continued</i>
Novel functionalized mesoporous silica nanoparticles targeting estrogen receptor over-regulated breast cancer Ms Candace Day, University of South Australia
A novel rat cervical lymph cannulation method to evaluate the lymphatic clearance of therapeutics from the brain Ms Thu Hoang, Monash University
An effective HPTLC method for quality standardisation of Australian propolis Dr George Li, Western Sydney University
The expression and function of fatty acid-binding proteins in microglia: A potential role in the uptake of docosahexaenoic acid? Ms Yi Ling Low, Monash University
Method development and validation for determination of sucralfate in marketed tablets by HPLC-ELSD Ms May Song, University of South Australia
Determination of residual N,N-dimethylformamide in drug eluting pharmaceutical formulations Ms Souha Youssef, University of South Australia
Pharmacoepidemiology
Pharmacoepidemiology of metamizolol in critically ill patients with shock Ms Arwa Abu Sardaneh, Royal Prince Alfred Hospital
Vasopressor dose equivalence: A scoping review and suggested formula Miss Shruti Goradia, The University of Sydney
The prevalence of opioid analgesic use in people with chronic non-cancer pain: Systematic review and meta-analysis Dr Stephanie Mathieson, The University of Sydney
Pharmacogenomics
Effect of CYP2B6 516G>T on Plasma Efavirenz and 8OH-Efavirenz Concentrations in Papua New Guinea HIV patients Miss Helena Van Schalkwyk, The University of Adelaide
Pharmacy Practice
Current pharmacological and non-pharmacological interventions for illicit drug-induced presentations in emergency departments: A literature review Ms Ruby Tszwai Au, University of South Australia
Development and validation of explicit criteria for identification of potentially inappropriate prescribing for people with type 2 diabetes mellitus Mr Mohammed Ayalew, University of New England
Exploring the knowledge and attitudes of clients living with mental health conditions towards their medications and their healthcare providers Ms Tien Bui, University of South Australia
Medication safety during ICU care transfers with an electronic medication management system Ms Racha Dabliz, The University of Sydney
Exploring pharmacy ethics in developing countries – a scoping review Ms Leen Fino, The University of Sydney
Pharmacist's and physiotherapist's perspectives about sports pharmacy Mrs Alison Hooper, University of Newcastle
Deprescribing opioid analgesics: An overview of systematic reviews Ms Aili Langford, The University of Sydney
Extended roles in Aotearoa New Zealand community pharmacy: The views of service users Dr Caroline Morris, University of Otago
Interventions at hospital discharge to guide caregivers in medication management for people living with dementia: A systematic review Dr Mouna Sawan, The University of Sydney
Role of medication beliefs on medication adherence in hypertensive Middle Eastern refugees and migrants in Australia Mrs Wejdan Shahin, RMIT University
A pilot pharmacist health coaching trial investigating changes to modifiable health behaviours Ms Harjit Singh, RMIT University
Exploring contributing factors of acute psychological impact in community pharmacists due to COVID-19 pandemic Dr Vijay Suppiah, University of South Australia

Pharmacy Practice *continued*

A qualitative study exploring barriers to and facilitators of medication adherence in Ethiopia: Hospital pharmacists' perspectives

Mr Henok Tegegn, University of New England

Implementation of a customised automation tool to optimise pharmacy practice

Mr William Tumusiime, Ipswich Hospital

The impact of QHMAC LAM restrictions on the prescription qty of oxycodone prescribed on discharge

Mr William Tumusiime, Ipswich Hospital

An audit of the appropriateness of antipsychotic prescribing for cognitive impairment

Mr William Tumusiime, Ipswich Hospital

Virtual Renovation of the Medication and Pharmacist Engagement Clinic (MAPEC)

Mr William Tumusiime, Ipswich Hospital

Toxicology

Evaluation of efavirenz and 8-OH-EFV exposure and the occurrence of drug-induced side effects in Papua New Guinea HIV/AIDS patients

Ms Natalia Bordin Andriqueti, The University of Adelaide

Cefepime-induced neurotoxicity: Identifying the toxicity threshold

Ms Cindy Lau, St Vincent's Hospital

Green tea extract and its metabolites induce biochemical changes linked to hepatotoxicity in HepG2 cells

Dr Garth Maker, Murdoch University

Ascending Jacob's Ladder of Density Functional Approximations for in silico toxicological modelling

Mr John Spicer, The University of Sydney