

# 23rd International Congress of Therapeutic Drug Monitoring & Clinical Toxicology



Singapore 2025

## Poster program

Wednesday, 24 September 2025

ANTI-INFECTIVE DRUGS					
Poster Board	Paper Title	Title	First Name	Last Name	Organization
P600	Enhancing patient outcomes: Vancomycin therapeutic drug monitoring in critically ill patients	Dr	Jefman Efendi	Marzuki	Faculty of Medicine, Universitas Andalas
P601	Pharmacokinetic analysis of linezolid and its metabolite PNU-142586 in healthy volunteers	Dr	Takahiko	Aoyama	Nihon University
P602	Dual $\beta$ -lactam therapy for high-risk <i>Pseudomonas aeruginosa</i> ST235-clone clinical isolates		Siobhonne	Breen	Monash University
P603	Oxidative stress influence on plasma and intracellular antiretroviral drugs exposure in PWH	A/Prof	Jessica	Cusato	Laboratory Of Clinical Pharmacology, Department of Medical Sciences, University of Turin, Italy
P604	Finding a new therapeutic drug monitoring pathway for ganciclovir in transplant recipients	Dr	Benedicte	Franck	University of Rennes
P605	Sub-optimal clindamycin dosing induces small colony variant phenotype in <i>Staphylococcus aureus</i>	Dr	Joy	Gibson	Children's Hospital Los Angeles
P606	Vancomycin concentrations, treatment outcomes and nephrotoxicity in patients with coagulase-negative <i>Staphylococcus</i> infections	A/Prof	Siriluk	Jaisue	Faculty of Pharmaceutical Sciences, Khon Kaen University, Thailand
P607	The use of antibiotics in patients' Pneumonia at secondary hospital Indonesia 2020	Dr	Linggom	Kurniaty	Universitas Kristen Indonesia
P608	Mechanism-based modelling of antibiotic effects on <i>Pseudomonas</i> strains with different resistance mechanisms	A/Prof	Cornelia	Landersdorfer	Monash University
P609	Therapeutic drug monitoring is essential for managing complex polymicrobial infections: case report	Dr	Cindy	Lau	St Vincent's Hospital Sydney
P610	Vancomycin pharmacokinetics and clinical outcomes in children with methicillin-resistant <i>Staphylococcus aureus</i> infection	Dr	Jian Lynn	Lee	Department of Pharmacy, Tunku Azizah Hospital, Ministry of Health Malaysia, Kuala Lumpur, Malaysia
P611	Managing high-risk drug interactions with Nirmatrelvir/Ritonavir: Experience from a pharmacology advice service	A/Prof	Florian	Lemaitre	Rennes University Hospital

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Poster Board	Paper Title	Title	First Name	Last Name	Organization
P612	Comparison of Vancomycin therapeutic drug monitoring (TDM) methods in Neonates	Dr	Wan Xuan Selina	Lim	Kk Women's and Children's Hospital
P613	Importance of beta-lactam therapeutic drug monitoring for sepsis in Asia	Dr	Tat Ming	Ng	Tan Tock Seng Hospital
P614	Significance of continuous infusion of vancomycin in adults	Dr	Kazutaka	Oda	Kumamoto University Hospital
P615	Pharmacokinetics of first-line antituberculosis drugs in Thai elderly patients with tuberculosis infection	Dr	Weeraya	Phaisal	Chulalongkorn University
P616	Therapeutic drug monitoring on Vancomycin levels in adult patients at HuaHin hospital		Naiyachon	Pulpukdee	Pharmacy Department, Hua-hin Hospital, Thailand
P617	Prediction of trough-based Vancomycin area-under-the-curve: performance evaluation of pediatric population pharmacokinetic models		Stef	Schouwenburg	Erasmus University Medical Center
P618	Comparing bioavailability of two itraconazole formulations in transplant recipients	Dr	Jana	Stojanova	St Vincent's Hospital, Sydney
P619	Flucloxacillin induces itraconazole clearance: three illustrative cases	Dr	Jana	Stojanova	St Vincent's Hospital Sydney
P620	Inflammation-driven variability in drug metabolism: Insight from voriconazole treatment	Prof	Jesse	Swen	Leiden University Medical Center
P621	Trough targets for Amikacin and Gentamicin in clinical setting: A scoping review		Jian Wei	Tan	Sengkang General Hospital
			Ming Yao, Brian	Boey	
P622	Safety and efficacy of high-dose Novel Beta-Lactam/Beta-Lactamase inhibitor (HDNBLBLI) combinations		Jun Jie	Tan	Singapore General Hospital
P623	Exceeding conventional recommendations: safety of high-dose-beta-lactam (HDBL) in renal replacement therapy (RRT)		Jun Jie	Tan	Singapore General Hospital
P624	High-dose-beta-lactam (HDBL) in patients without renal impairment: How high can we go?		Jun Jie	Tan	Singapore General Hospital
P625	Trovafloracin activates inflammasome leading to trovafloracin induced immune related liver injury	A/Prof	Saori	Tanaka	Department of Pharmacotherapeutics and Toxicology Faculty of Pharmacy, Osaka Medical and Pharmaceutical University



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Poster Board	Paper Title	Title	First Name	Last Name	Organization
P626	Using daptomycin in neonates: exposure and target attainment	Assist Prof	Marie-Clémence	Verdier	Rennes University Hospital, France
P627	Pharmacokinetic analysis of tedizolid on protein binding in humans and in vitro		Tomona	Yamada	School of Pharmacy, Nihon University
P628	Evaluation of intravenous Vancomycin pharmacokinetics in Japanese Peritoneal dialysis patients		Yoshiki	Yamamoto	Department Of Pharmacy, Sakai City Medical Center, Sakai City, Osaka, Japan
P629	Optimizing meropenem regimens in RICU patients: A real-world efficacy study	Prof	Miao	Yan	The Second Xiangya Hospital of Central South University
P630	Analysis of factors affecting posaconazole serum concentration in patients with haematological malignancies	Prof	Yukako	Yasui	Osaka Medical and Pharmaceutical University
P631	Pharmacokinetics of Imipenem in critically ill patients: Continuous infusion versus extended infusion		Ruixia	Zhang	Tianjin First Central Hospital

CLINICAL TOXICOLOGY/DRUGS OF MISUSE					
Poster Board	Paper Title	Title	First Name	Last Name	Organization
P632	Exploring involvement of the immune system and biomarkers in Brigatinib-induced liver injury		Takumi	Noda	Department of Pharmacotherapeutics and Toxicology, Faculty of Pharmacy, Osaka Medical and Pharmaceutical University
P633	Relationship of 3-carboxy-4-methyl-5-propyl-2-furanpropanoic acid concentration with OATP1B activity in patients with CKD		Hiroyuki	Ono	Oita University Hospital
P634	Identifying Biomarkers for Acute Diquat Poisoning: Integrated Clinical and Lipidomic Analysis	Dr	Shuai	Song	The First Affiliated Hospital of Anhui Medical University
P635	Management of Methotrexate (MTX) toxicity with DILI using TDM guide		Kessada	Tunwongsa	The Thai Red Cross Society

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TDM OF BIOLOGICS					
Poster Board	Paper Title	Title	First Name	Last Name	Organization
P636	Internal quality control evaluation of TDM of Levetiracetam by Westgard multi-rule theory		Huiting	Li	Department Of Pharmacy, The First Affiliated Hospital of University of Science and Technology of China

OTHER					
Poster Board	Paper Title	Title	First Name	Last Name	Organization
P637	Pharmacokinetic variability of valsartan in a large cohort of hypertensive patients	Dr	Tord	Amundsen	Oslo University Hospital, Department of Pharmacology
		Dr	Jean-Paul	Bernard	
P638	Association of Leptin rs7799039 with Dyslipidemia and Hypertension: Unraveling cardiovascular risk factors	Assist Prof	Chalirmporn	Atasilp	Thammasat University
P639	Drug-drug interaction mechanism between Imatinib and Amlodipine via four dimension analysis	A/Prof	Yan	Chen	Sichuan Cancer Hospital
P640	Application of TDM to pediatric patients treated with Ivacaftor/Tezacaftor/Elexacaftor combination	Dr	Bianca	Goeffredo	I.r.c.c.s. Ospedale Pediatrico Bambino Gesù
P641	Vitamin K2 - a new treatment option for patients with calcific tendinitis	A/Prof	Eva	Klapkova	Charles University and University Hospital Motol
P642	Identification of adverse drug reactions as a pharmacovigilance activity at secondary healthcare	Dr	Linggom	Kurniaty	Universitas Kristen Indonesia
P643	An audit of therapeutic-drug-monitoring for older anti-seizure medications in tertiary care, India	Dr	Rachna	Rohilla	All India Institute of Medical Sciences, Bathinda, Punjab, India
P644	Characteristics of Metformin side effects in primary health care Kramat Jati Indonesia		Hidekel	Tambunan	Universitas Kristen Indonesia
P645	Purifying bacteriophages for safe therapeutic applications	Prof	Joseph	Tucci	La Trobe University Australia
P646	Effects of enteral nutrition and components on the valproate pharmacokinetics in rats	Dr	Yoko	Urashima	Laboratory of Clinical Pharmaceutics, Faculty of Pharmacy, Osaka Ohtani University
P647	Long-term steroid effects on atopic skin: case report of acne and striae	Dr	Syahfori	Widiyani	Christian University of Indonesia



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ANALYTICAL					
Poster Board	Paper Title	Title	First Name	Last Name	Organization
P648	Developed and validated LC-MS method for simultaneous detection of bisphenols in saliva		Patthamapon	Adchariyasakulchai	Chulalongkorn University
P649	Confirming and quantifying 31 Oral Fluid Drugs of Abuse using Stellar MS	Dr	Jingshu	Guo	Thermo Fisher Scientific
P650	Improved Homogeneous Enzyme immunoassay for the quantitative determination of Methotrexate	Dr	Thomas	Houts	Ark Diagnostics, Inc.
P651	Cross-site validation of LC-MS/MS assay for antibiotic therapeutic drug monitoring in Singapore	Dr	Emi	Ishikawa	Singapore General Hospital
P652	Quantification of vancomycin and clindamycin in synovial tissue and bone using UPLC-MS/MS	Prof	Birgit	Koch	Erasmus
P653	The QuEChERS method efficiently extracts immunosuppressants from whole blood for LC-MS/MS analysis	Dr	Arkadiusz	Kocur	Medical University of Warsaw; Department of Drug Chemistry, Pharmaceutical and Biomedical Analysis
P654	Simultaneous determination of six cephalosporins in critically ill paediatric patients using VAMS	Dr	Arkadiusz	Kocur	Medical University of Warsaw; Department of Drug Chemistry, Pharmaceutical and Biomedical Analysis
P655	Keeping neonates calm and safe: a novel LC-MS/MS method for dexmedetomidine monitoring	Dr	Arkadiusz	Kocur	Medical University of Warsaw; Department of Drug Chemistry, Pharmaceutical and Biomedical Analysis
P656	Small Samples, Big Impact: LC-MS/MS quantification of Ketamine in Neonates	Dr	Arkadiusz	Kocur	Medical University of Warsaw; Department of Drug Chemistry, Pharmaceutical and Biomedical Analysis
P657	HPLC-UV method for monitoring sildenafil concentration in pulmonary arterial hypertension patients	Assist Prof	Paweł K.	Kunicki	Department of Drug Chemistry, Pharmaceutical and Biomedical Analysis, Medical University of Warsaw, Warsaw, Poland
P658	Development and validation of an HPLC method for Brivaracetam therapeutic drug monitoring	Assist Prof	Mila	Lovrić	Department of Laboratory Diagnostics, University Hospital Centre Zagreb, Zagreb, Croatia
P659	A UPLC-MS/MS assay of tasugratinib and an active metabolite in human plasma	Dr	Yuji	Mano	Eisai Co., Ltd.
P660	Preliminary study: Correlation of fully automated LC-MS/MS in Tacrolimus and Everolimus quantification		Chuo	Peck Ham	Hospital Kuala Lumpur

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ANALYTICAL					
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P661	Investigating specificity of 11-nor-9-Carboxy-Δ9-THC mass spectrometry confirmation methods		Dipika	Pindoria	Pathwest Laboratory Medicine
P662	Method comparison of human antibiotic concentrations between two diagnostic assays		Lena	Pracher	Department of Clinical Pharmacology, Medical University of Vienna
P663	Development of a method of LC/MS-MS for simultaneous determination of hyaluronan oligosaccharides	Dr	Yuki	Sato	Hokkaido University
P664	Method validation for simultaneous quantification of MPA and MPAG in human plasma		Sheetal	Singh	Department of Pharmacology
P665	High specificity Homogeneous Enzyme immunoassay for Ketamine	Dr	Rajendra	Singh	Ark Diagnostics
P666	LC-HRMS/MS quantitative analysis of psychoactive compounds in blood and VAMS samples		Maciej	Stopa	Labexperts Sp z o.o.
P667	Development and validation of an LC-MS/MS Method for Tigecycline in human plasma		Warumphon	Sukkummee	Chulalongkorn University
P668	Resource limited setting experience of voriconazole and posaconazole therapeutic drug monitoring bioassay	Prof	Karuna	Tadepalli	iMARC Microbiology AIIMS Bhopal
P669	Development and validation of an HPLC-UV method for Cisplatin in peritoneal fluid		Napatsanan	Tanathitiphuwarat	Center Of Excellence in Clinical Pharmacokinetics and Pharmacogenomics (PKPGx)
P670	Towards implementation of measured unbound flucloxacillin concentrations in routine patient care		Cathérine	Van herteryck	University Ghent
P671	UPLC-MS/MS assay development for linezolid and application to patients with renal insufficiency	Dr	Ren-ai	Xu	First Affiliated Hospital of Wenzhou Medical University
P672	LC-MS/MS for the determination of apalutamide and application in castration-resistant prostate cancer	A/Prof	Lijuan	Zhang	Department of Pharmacy, Sichuan Academy of Medical Sciences & Sichuan Provincial People's Hospital