



Research Publications FY2014

Applied Services Group

Title of Paper	Author(s)	Journal	Volume	Issue	Page(s)	Month/Year of Publication
An Improved Reference Measurement Method for Hemoglobin A1c Using Liquid Chromatography Isotope Dilution Tandem Mass Spectrometry (LC-IDMS/MS)	Lingkai Wong, Hong Liu, Sharon Yong, Qinde Liu, Tong Kooi Lee	Clinical Chemistry	61	No. 2	435-436	February 2015
Providing a traceable assigned value in a proficiency testing programme on the determination of benzoic acid in orange juice	Shiwan Cheng, Charline Mesquida, Ee Mei Gui, Pui Sze Cheow, Tong Kooi Lee, Tang Lin Teo	Accreditation and Quality Assurance	19	6	439-443	December 2014
Determination of total thyroxine in human serum by hollow fiber liquid-phase microextraction and liquid chromatography–tandem mass spectrometry	Sharon Yong, Yizhao Chen, Tong Kooi Lee, Hian Kee Lee	Talanta	126	Nil	163-169	August 2014

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Determination of Ochratoxin A in Capsicum spp. (Paprika and Chili) by Immunoaffinity Column Cleanup and Liquid Chromatography: Collaborative Study	E. Abilleira; P. Bastijns; M. Berger; G. Cepurnieks; S.J. Coluccia; J. Griffin; M-P. Herry; J.R. Keegan; P. Kormali; C.W. Lim; S. MacDonald; G. Muranszky; K. Nuotio; J. Postupolski; A. Solyakov; Staiger; M. Toome; E. Toth; J. Vancutsem; C. Veitch; C. Yustes	Journal of AOAC International	97	No. 3	876-883	June 2014
Quantitative assessment of Moniliformin in Cereals via alternative precipitation pathways, aided by targeted and untargeted mass spectrometry	Chee Wei Lim; Kit Yee Lai; Jie Fang Yeo; Siew Hoon Tai; Sheot Harn Chan	Food Chemistry, 2014	174	Nil	372–379	Epub November 2014. (Food Chem - May 2015) DOI: http://dx.doi.org/10.1016/j.foodchem.2014.11.069
Verifying the provenance of rice using stable isotope ratio and multi-element analyses: a feasibility study	Angela Li, Joanne Chan, Simon Kelly	Quality Assurance and Safety of Crops & Food	7	3	343-354	September 2014

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Isotope ratio analysis of carbon and nitrogen by elemental analyser continuous flow isotope ratio mass spectrometry (EA-CF-IRMS) without the use of a reference gas	L. J. Bay; S. H. Chan and T. Walczyk	Journal of Analytical Atomic Spectrometry	2015	30	310-314	October 2014
Multi-Mycotoxin screening reveals separate occurrence of aflatoxins and ochratoxin A in Asian rice	Chee Wei Lim, Tomoya Yoshinari, Jeff Layne, Sheot Harn Chan	Journal of Agricultural & Food Chemistry	63	12	3104–3113	Publication Date (Web): February 2015 DOI: 10.1021/acs.jafc.5b00471
Structural elucidation of propoxyphenyl isobutyl aildenafil, adulterant in a health supplement using high-resolution Orbitrap mass spectrometry	Kee Chee Leong, Hwee Ling Koh, Bosco Chen Bloodworth, Zeng Yun, Kin Har Kiang, Min Yong Low, Xiaowei Ge	Journal of Pharmaceutical and Biomedical Analysis	98	Nil	153-159	Paper published online May 2014 DOI:10.1016/j.jpba.2014.05.029
Hepatotoxic potential of asarones: In vitro evaluation of hepatotoxicity and quantitative determination in herbal products	Dhavalkumar Narendrabha Patel, Han Kiat Ho, Libei Liesbet Tan, Mui-Mui Belinda Tan, Qian Zhang, Min-Yong Low, Cheng-Leng Chan, Hwee-Ling Koh	Frontiers in Pharmacology, section Ethnopharmacology	6	25	NA	Paper published online February 2015 DOI: 10.3389/fphar.2015.00025

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Differentiation of Three Fluoroethcathinone Positional Isomers - A case study	Dr. Romelo Bandian Gibe, Ms. Wendy Lim Jong Lee, Dr. Angeline Yap Tiong Whei	ForensicAsia Newsletter	Nil	6	36-37	October 2014
History and current status of forensic science in Singapore	George Paul, Paul Chui	Global Practise of Forensic Science, Douglas H Ubelaker Editor	Nil	Nil	231-240 (Chapter 22)	December 2014 Wiley-Blackwell Wiley, ISBN: 978-1-118-72416-3

Blood Services Group

Title of Paper	Author(s)	Journal	Volume	Issue	Page(s)	Month/Year of Publication
Blood and Marrow Derived Non Hematopoietic Stem Cell Sources & Immune Cells for Clinical Application	Dr Mickey Koh	AABB Technical Manual	18th Edition	Nil	785 – 801 (Chapter 33)	July 2014
Transfusion Support for HLA Refractory Patients in Singapore	Alcantara R, Kyi Kyi S, Widanalage S, Chee YL, Poon M, Koh LP, Tan LK, Ho AYL and Ang AL	VoxSanguinis	107	Supplement s1	P-593	June 2014
Optimising Donor Traffic on Weekends at the Bloodbank@Woodlands	Othman R, Ramli RMS and Rahamat NMS	VoxSanguinis	107	Supplement s1	P-108	June 2014

Title of Paper	Author(s)	Journal	Volume	Issue	Page(s)	Month/Year of Publication
Enhance the Efficiency of Processing Double Dose Apheresis Platelets	Saiman SN, Rahamat N, Chua SS, Su X, Begum S, Lim C, Ng KS and Oliveiro C	VoxSanguinis	107	Supplement s1	P-128	June 2014
Minimizing Percentage of Fresh Frozen Plasma Discard Due to Breakages	Ciuputra H, Tan WC, Leong TS, Surasi S, Tan KL, Sangalang AG, Alcantara AGP and Shu Pei Huey	VoxSanguinis	107	Supplement s1	P-202	June 2014
Massive Transfusion Protocol in Singapore – Our Experience in Introducing and Running A Common National MT Protocol (2011-2013)	Chay JWM, Koh MBC, Tan HH, Ng HJ, Ng JCF, Chua CML, Chia NCH, Tey XS, Desouza K, Toh AH, Mattar NM, Ong KH, Tan J, Tan SC, Kuperan P, Yuen J, Lew E, Heng KML, Tan LK, Koh PL, Lim STT, Khng YL, Bin Mohd Fathil BMF, Ng HP, Lim JL, Wijaya SI and Ang AL	VoxSanguinis	107	Supplement s1	4D-S37-03	June 2014
Study On Demographics And Retention of New Donor Pool at Satellite Blood Collection Centers 2013	J.L. Chong, L.H. Poo, D.J. Pennefather	TRANSFUSION	54	Supplement S2	SP147	September 2014
Comparison of the Quality Control Parameters of Buffy Coat Derived Platelets Prepared using Different Pooling Kit	Su Xiaoting, Chua Sze Sze	TRANSFUSION	54	Supplement S2	SP104	September 2014



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Malaria Antibody Testing of At-Risk Blood Donors in Singapore	Ramir Alcantara, Aung Nwe Ni, Tan Hwee Huang, Diana Teo	TRANSFUSION	54	Supplement S2	SP381	September 2014
Abstract Title: Lower plasma volume (PV) in Buffy Coat Removed Red Cell may reduce Allergic Transfusion Reaction (ATR): observation in Transfusion Dependent Thalassemia (TDT)	Ang Ai Leen, Shu Pei Huey, Ng Kok Quan	TRANSFUSION	54	Supplement S2	SP205	September 2014



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Health Products Regulation Group

Title of Paper	Author(s)	Journal	Volume	Issue	Page(s)	Month/Year of Publication
Pharmacogenomic diversity in Singaporean populations and Europeans	Liam R Brunham, Sze-Ling Chan, R Li, F Aminkeng, X Liu, WY Saw, RTH Ong, EN Pillai, Bruce C Carleton, Dorothy Toh, Siew Har Tan, Seok Hwee Koo, Edmund JD Lee, Kee Sing Chia, Colin JD Ross, Michael Hayden, Cynthia Sung and YY Teo	The Pharmacogenomics Journal	14	6	555-563	December 2014
Active surveillance of adverse events following childhood immunization in Singapore.	Koh Cheng Thoon, Sally Bee Leng Soh, Woei Kang Liew, Arunan Gunachandran, Natalie Woon Hui Tan, Chia Yin Chong, Chee Fu Yung.	Vaccine	32	39	5000-5005	September 2014
Investigations into an outbreak of suppurative lymphadenitis with BCG vaccine SSI® in Singapore.	Sally Bee Leng Soh, Phey Yen Han, Kai Tong Tam, Chee Fu Yung, Woei Kang Liew, Natalie Woon Hui Tan, Chia Yin Chong, Koh Cheng Thoon.	Vaccine	32	44	5809-5815	October 2014
Traditional Chinese medication for rheumatoid arthritis: more than what meets the eye	Amelia Santosa, Patricia Suet Leng Ng, Gim Gee Teng	Rheumatology International	35	2	383-384	February 2015

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Reducing hypersensitivity reactions with HLA-B*5701 genotyping before abacavir prescription: clinically useful but is it cost-effective in Singapore?	Ritika Kapoor, Rosario Martinez-Vega, Di Dong, Sharlene Yanying Tan, Yee-Sin Leo, Cheng-Chuan Lee, Cynthia Sung, Oon-Tek Ng, Sophia Archuleta, Yik-Ying Teo	Pharmacogenetics Genomics	25	2	60-72	February 2015
Using VigiBase for identifying substandard medicines: detection capacity and key prerequisites.	Kristina Juhlin, Ghazaleh Karimi, Maria And�er, Sara Camilli, Mukesh Dheda, Tan Siew Har, Rokiah Isahak, Su-Jung Lee, Sarah Vaughan, Pia Caduff, G. Niklas Nor�en	Drug Safety	38	4	373-82	February 2015
Hepatotoxic potential of asarones: In vitro evaluation of hepatotoxicity and quantitative determination in herbal products	Dhavalkumar Narendrabha Patel, Han Kiat Ho, Libei Liesbet Tan, Mui-Mui Belinda Tan, Qian Zhang, Min-Yong Low, Cheng-Leng Chan and Hwee-Ling Koh.	Frontiers in Pharmacology	6	Article 25	1-13	February 2015
Intussusception and Monovalent Rotavirus Vaccination in Singapore: Self-Controlled Case Series and Risk-Benefit Study	Chee-Fu Yung, Siew Pang Chan, Sally Soh, Adriana Tan and Koh Cheng Thoon	The Journal of Pediatrics	167	1	163-8	March 2015