

Publications by Jan-Stefan van der Walt

Peer-reviewed journal articles

- Takahashi M, Tokunaga E, Mori J, Tanizawa Y, [van der Walt JS](#), Kawaguchi T, Goetz MP, Toi M. Japanese subgroup analysis of the phase 3 MONARCH 3 study of abemaciclib as initial therapy for patients with hormone receptor-positive, human epidermal growth factor receptor 2-negative advanced breast cancer. *Breast Cancer*. 2021 Oct 18. doi: 10.1007/s12282-021-01295-0. Epub ahead of print.
- Inoue K, Masuda N, Iwata H, Takahashi M, Ito Y, Miyoshi Y, Nakayama T, Mukai H, [van der Walt JS](#), Mori J, Sakaguchi S, Kawaguchi T, Tanizawa Y, Llombart-Cussac A, Sledge GW Jr, Toi M. Japanese subpopulation analysis of MONARCH 2: phase 3 study of abemaciclib plus fulvestrant for treatment of hormone receptor-positive, human epidermal growth factor receptor 2-negative breast cancer that progressed on endocrine therapy. *Breast Cancer*. 2021 Sep;28(5):1038-1050..
- Chigutsa E, Kambhampati SRP, Karen Sykes A, Posada MM, [van der Walt JS](#), Turner PK. Development and Application of a Mechanistic Population Modeling Approach to Describe Abemaciclib Pharmacokinetics [published online ahead of print, 2020 Jul 18]. *CPT Pharmacometrics Syst Pharmacol*. 2020;10.1002/psp4.12544. doi:10.1002/psp4.12544
- Kierzek AM, Hickling TP, Figueroa I, et al. A Quantitative Systems Pharmacology Consortium Approach to Managing Immunogenicity of Therapeutic Proteins. *CPT Pharmacometrics Syst Pharmacol*. 2019;8(11):773-776. doi:10.1002/psp4.12465
- Earp JC, Mehrotra N, Peters KE, Fiorentino RP, Griebel D, Lee SC, Mulberg A, Röhss K, Sandström M, Taylor A, Tornøe CW, Wynn EL, [Van der Walt JS](#), Garnett C. Esomeprazole FDA Approval in Children With GERD: Exposure-Matching and Exposure-Response. *J Pediatr Gastroenterol Nutr*. 2017 Sep;65(3):272-277.
- Kredo T, Mauff K, Workman L, [Van der Walt JS](#), Wiesner L, Smith PJ, Maartens G, Cohen K, Barnes KI. The interaction between artemether-lumefantrine and lopinavir/ritonavir-based antiretroviral therapy in HIV-1 infected patients. *BMC Infect Dis*. 2016 Jan 27;16:30.
- Ross IL, Lacerda M, Pillay TS, Blom DJ, Johannsson G, Dave JA, Levitt NS, Haarburger D, [van der Walt JS](#). Salivary Cortisol and Cortisone do not Appear to be Useful Biomarkers for Monitoring Hydrocortisone Replacement in Addison's Disease. *Horm Metab Res*. 2016 Dec;48(12):814-821.
- Gibbons JA, Ouatas T, Krauwinkel W, Ohtsu Y, [van der Walt JS](#), Beddo V, de Vries M, Mordenti J. Clinical Pharmacokinetic Studies of Enzalutamide. *Clin Pharmacokinet*. 2015 Oct;54(10):1043-55. doi: 10.1007/s40262-015-0271-5. PMID: 25917876.
- Gibbons JA, de Vries M, Krauwinkel W, Ohtsu Y, Noukens J, [van der Walt JS](#), Mol R, Mordenti J, Ouatas T. Pharmacokinetic Drug Interaction Studies with Enzalutamide. *Clin Pharmacokinet*. 2015 Oct;54(10):1057-69. doi:10.1007/s40262-015-0283-1. PubMed PMID: 25929560.
- [van der Walt JS](#), Hong Y, Zhang L, Pfister M, Boulton DW, Karlsson MO. A Nonlinear Mixed Effects Pharmacokinetic Model for Dapagliflozin and Dapagliflozin 3-O-glucuronide in Renal or Hepatic Impairment. *CPT Pharmacometrics Syst Pharmacol*. 2013 May 8;2:e42. doi: 10.1038/psp.2013.20. PubMed PMID: 23887724;PubMed Central PMCID: PMC3674329.

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- Choy S, Hénin E, van der Walt JS, Kjellsson MC, Karlsson MO. Identification of the primary mechanism of action of an insulin secretagogue from meal test data in healthy volunteers based on an integrated glucose-insulin model. *J Pharmacokinet Pharmacodyn.* 2013 Feb;40(1):1-10. doi: 10.1007/s10928-012-9281-1. Epub 2012 Nov 24. PMID: 23179858.
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- Jönsson S, Davidse A, Wilkins J, Van der Walt JS, Simonsson US, Karlsson MO, Smith P, McIlleron H. Population pharmacokinetics of ethambutol in South African tuberculosis patients. *Antimicrob Agents Chemother.* 2011 Jun 20. [Epub ahead of print] PubMed PMID: 21690284.
- Sinxadi PZ, van der Walt JS, McIlleron HM, Badri M, Smith PJ, Dave JA, Levitt NS, Maartens G. Lack of association between stavudine exposure and lipoatrophy, dysglycaemia, hyperlactataemia and hypertriglyceridaemia: a prospective cross sectional study. *AIDS Res Ther.* 2010 Jul 14;7:23. PubMed PMID: 20630064; PubMed Central PMCID: PMC2914641.
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- Kredo T, Van der Walt JS, Siegfried N, Cohen K. Therapeutic drug monitoring of antiretrovirals for people with HIV. Cochrane Database Syst Rev. 2009 Jul 8;(3):CD007268. Review. PubMed PMID: 19588422.
- Van der Walt JS, Maartens, G. Why don't patients use medication as prescribed? CME 2008 Feb: 26(2):103-105. Review.
- Van der Walt JS, Maartens, G. Drug-drug interactions in oncology: implications for general practice. CME 2007 Feb: 25(2):81-84. Review.

Conference Proceedings

Date	Conference	Title
28 June – 1 July 2022	PAGE 30 (Ljubljana, Slovenia)	Liu D, Wallin J, Akil A, Comisar C, Teuscher N, <u>van der Walt JS</u> . Population pharmacokinetics of selpercatinib in patients with an advanced solid tumor, including RET fusion-positive NSCLC, RET-mutant MTC, and other tumors with increased RET activity
11-14 June 2019	PAGE 28 (Stockholm, Sweden)	Van Beek SW, Turner PK, <u>Van der Walt JS</u> A Population Pharmacokinetic Analysis to Explore the Effect of Hepatic Impairment on Abemaciclib Pharmacokinetics
13-16 Nov 2018	30th EORTC-NCI-AACR SYMPOSIUM (Dublin, Ireland)	Van Beek SW, Turner PK, <u>Van der Walt JS</u> Quantifying the effects of hepatic impairment on abemaciclib exposure to support dosing recommendations (PB-049)
5-7 October 2016	Biomarker Summit Europe 2016 (Berlin, Germany)	Cerneus D, Meijer J, <u>van der Walt JS</u> , Collins C, Steup A and Michon I. ASP3652; Peripherally-acting FAAH inhibitor - Utilizing translational science tools for decision making in early clinical development
7-01 June 2011	PAGE 20 (Athens, Greece)	Svensson E, <u>Van der Walt JS</u> , Barnes KI, Cohen K, Kredo T, Sinxadi P, Karlsson MO, Denti P Mega-model of nevirapine population pharmacokinetics. Published in PAGE. Abstracts of the Annual Meeting of the Population Approach Group in Europe. ISSN 1871-6032. PAGE 20 (2011) Abstr 2221 [www.page-meeting.org/?abstract=2221]
7-01 June 2011	PAGE 20 (Athens, Greece)	<u>Van der Walt JS</u> , Kredo T, Wiesner L, Maartens G, Cohen K, Smith P, Karlsson MO, Barnes KI The effect of nevirapine-based antiretroviral therapy on the population pharmacokinetics of artemether and dihydroartemesinin in HIV-infected adults. Published in PAGE. Abstracts of the Annual Meeting of the Population Approach Group in Europe. ISSN 1871-6032. PAGE 20 (2011) Abstr 2206 [www.page-meeting.org/?abstract=2206]
7-01 June 2011	PAGE 20 (Athens, Greece)	Choy S, Kjellsson MC, Van der Walt JS, Karlsson MO Application of an integrated glucose-insulin model to investigate the effects of glibenclamide and its active metabolites on postprandial glucose and insulin concentrations in healthy volunteers.

		Published in PAGE. Abstracts of the Annual Meeting of the Population Approach Group in Europe. ISSN 1871-6032. PAGE 20 (2011) Abstr 2152 [www.page-meeting.org/?abstract=2152]
7-01 June 2011	PAGE 20 (Athens, Greece)	Frank M, Van der Walt JS, Kunz A, Harms G, Kloft C Integrated Population Pharmacokinetic Model Development of Nevirapine for Mothers and Newborns including Healthy Male Volunteer Data. Published in PAGE. Abstracts of the Annual Meeting of the Population Approach Group in Europe. ISSN 1871-6032. PAGE 20 (2011) Abstr 2273 [www.page-meeting.org/?abstract=2273]
14-18 Nov 2010	APPS/WPC (New Orleans, US)	<u>Van der Walt JS</u> Saving Lives with Combined Antimalarial Therapies via Optimizing Dosing Regimen and PK/PD In Children and Pregnant Women (Invited speaker)
8-11 June 2010	PAGE 19 (Berlin, Germany)	<u>Van der Walt JS</u> , Standing J, Karlsson MO, Lundorg P, Andersson T, Röhss K, Sandström M. A population model describing the pharmacokinetics of ivesomeprazole in patients aged 0 to 17 years, inclusive. Published in PAGE. Abstracts of the Annual Meeting of the Population Approach Group in Europe. ISSN 1871-6032. Abstr 1905 [www.page-meeting.org/?abstract=1905].
8-11 June 2010	PAGE 19 (Berlin, Germany)	Jönsson S, Davidse A, Wilkins J, <u>Van der Walt JS</u> , Simonsson USH, Karlsson MO, McIlleron MH, Smith PJ. Population Pharmacokinetics of Ethambutol in South African Tuberculosis Patients. Published in PAGE. Abstracts of the Annual Meeting of the Population Approach Group in Europe. ISSN 1871-6032. Abstr 1833 [www.page-meeting.org/?abstract=1833].
8-11 June 2010	PAGE 19 (Berlin, Germany)	Frank M, Kunz A, Harms G, <u>Van der Walt JS</u> , Kloft C. Building for Mothers and Newborns using Additional Information from a Different Nevirapine Dataset. Published in PAGE. Abstracts of the Annual Meeting of the Population Approach Group in Europe. ISSN 1871-6032. Abstr 1814 [www.page-meeting.org/?abstract=1814].
8-11 June 2010	PAGE 19 (Berlin, Germany)	Zvada SP, <u>Van Der Walt JS</u> , Smith PJ, Fourie PB, Roscigno G, Mitchison D, Simonsson USH, McIlleron HM. Effect of Various Meals on the Population Pharmacokinetics of Rifapentine. Published in PAGE. Abstracts of the Annual Meeting of the Population Approach Group in Europe. ISSN 1871-6032. Abstr 1734 [www.page-meeting.org/?abstract=1734].
23-26 June 2009	PAGE 18 (St Petersburg, Russia)	<u>Van der Walt JS</u> , Cohen K, McIlleron MH, Smith PJ, Maartens G, Karlsson MO. Effect of rifampicin-based antitubercular therapy and cotrimoxazole on the population pharmacokinetics of stavudine (d4T) in HIV-1 infected patients. Published in PAGE. Abstracts of the Annual Meeting of the Population Approach Group in Europe. ISSN 1871-6032. Abstr 1495 [www.page-meeting.org/?abstract=1495].
4-6 February 2009	PAGANZ 09	<u>Van der Walt JS</u> , Savic RM, Cohen K, Smith PJ, Karlsson MO. A nonlinear mixed effects model to characterize lamivudine absorption and distribution. Published in Abstracts of the Annual Meeting of the Population Approach Group in Europe. ISSN 1871-6032. PAGE PAGANZ 09 (2009) Abstr 1106 [www.page-meeting.org/?abstract=1106]

4-6 February 2009	PAGANZ 09	<u>Van der Walt JS</u> , Karlsson MO. Correlation in the absorption of lamivudine and zidovudine when administered as a fixed-dose combination tablet. Published in Abstracts of the Annual Meeting of the Population Approach Group in Europe. ISSN 1871-6032. PAGE PAGANZ 09 (2009) Abstr 1097 [www.page-meeting.org/?abstract=1097]
15-17 April 2009	10th International Workshop on Clinical Pharmacology of HIV Therapy (Amsterdam, The Netherlands)	<u>Van der Walt JS</u> , Cohen K, McIlleron MH, Smith PJ, Maartens G, Karlsson MO. Effect of rifampicin-based antitubercular therapy on the population pharmacokinetics of lamivudine (3TC) in HIV-1 infected patients. Antiretroviral therapy.
18-20 June 2008	PAGE 17 (Marseille, France)	<u>Van der Walt JS</u> , Sinxadi P, Cohen K, McIlleron K, Maartens G. Mats O Karlsson MO. Population pharmacokinetic models for lamivudine and nevirapine to assess drug concentrations obtained during therapeutic drug monitoring. Published in PAGE. Abstracts of the Annual Meeting of the Population Approach Group in Europe. ISSN 1871-6032. Abstr 1387 [www.page-meeting.org/?abstract=1387]
13-15 January 2008	PAGANZ 8 (Dunedin, New Zealand)	<u>Van der Walt JS</u> , Wilmshurst JM, Karlsson MO. Population pharmacokinetics of phenobarbitone administered as oral rescue therapy in children with refractory status epilepticus. Published in Abstracts of the Annual Meeting of the Population Approach Group in Europe. ISSN 1871-6032. PAGE PAGANZ 08 (2008) Abstr 1084 [www.page-meeting.org/?abstract=1084]
20-23 September 2006	ICPPS 4 (Vanderbijl Park, South Africa)	<u>Van der Walt JS</u> , Jooste H-L, Mienie L, Davis HJ. Bioavailability of a L-carnitine – magnesium fixed-dose combination product in healthy male volunteers.
9-13 June 2006	ADA 63 (Washington, DC, USA)	Wing JR, du Toit JJ, <u>van der Walt JS</u> , Johnstone HL. The Effect of KRP-204/N-5984 (a Novel Beta ₃ -Adrenergic Receptor Agonist) on Visceral Fat Surface (VFS) and Safety / Tolerability Parameters in Obese Patients with Type 2 Diabetes Mellitus (T2DM). Abstract No. 1724-P.
6-9 October 2005	IDSA 43 (San Francisco, CA, USA)	Jacobs RF, Terblanche J, <u>van der Walt JS</u> , Man CY, Song I, Weller S. Pharmacokinetics (PK) and Safety of Valaciclovir Oral Suspension in Infants and Children with Herpes Simplex Virus (HSV) Infection. Abstract No 573.
1-4 September 2005	WSPID 4 (Warsaw, Poland)	<u>Van der Walt JS</u> , Poder A, Man CY, Song I, Weller S. Pharmacokinetics (PK) and Safety of Valaciclovir Oral Suspension in Infants and Children with Varicella Zoster Virus (VZV) Infection. Abstract No. 150.
March 2000	URO 2000 (Durban, South Africa)	<u>Van der Walt JS</u> , Botha RK, Voigt HR, Viljoen IM. Urine Cytology and Uterine Cervical Carcinoma: An Evaluation of Bladder Invasion in Uterine Cervical Cancer with Cystoscopy, Biopsy Histology and Urine Cytology
March 1998	22 Biennial SA Urology Congress (Cape Town, South Africa)	Botha RK, <u>Van der Walt JS</u> , Viljoen IM. The Microbiological Profile of Transrectal Ultra Sound (TRUS) Guided Prostate Biopsies.