

## Publicaties 2017-2021

### 2021

Doeleman MJH, de Rook S, El Amrani M, van Maarseveen EM, Wulffraat NM, Swart JF.

*Association of adalimumab trough concentrations and treatment response in patients with juvenile idiopathic arthritis.*

Rheumatology (Oxford). 2021 Dec 24;61(1):377-382.

Van der Wekken-Pas LC, de Haas PJ, Wisse R, Rados M, van der Elst K.

*Candida keratitis and endophthalmitis after corneal transplantation; two case reports, a novel regimen and literature overview of therapeutic options.*

Eur J Ophthalmol. 2021 Nov 23;11206721211060140.

El Amrani M, Gerencser L, Huitema ADR, Hack CE, Van Luin M, Van der Elst KCM.

*A generic sample preparation method for the multiplex analysis of seven therapeutic monoclonal antibodies in human plasma or serum with liquid chromatography-tandem mass spectrometry.*

J Chromatogr A. 2021 Oct 1655:462489.

Houwen JPA, Egberts ACG, De Boer A, Van Maarseveen EM, Houwen RJH, Lalmohamed A.

*Influence of allopurinol on thiopurine associated toxicity: A retrospective population-based cohort study.*

Br J Clin Pharmacol 2021;87(5): 2333-2340.

Nijstad AL, Nierkens S, Lindemans CA, Boelens JJ, Bierings M, Versluys AB, van der Elst KCM, Huitema ADR.

*Population pharmacokinetics of clofarabine for allogeneic hematopoietic cell transplantation in paediatric patients.*

Br J Clin Pharmacol. 2021 Aug;87(8):3218-3226.

Chen RL, Fang LH, Yang XY, El Amrani M, Uijtendaal EV, Chen YF, Ku WC.

*Therapeutic Drug Monitoring of Busulfan in Patients Undergoing Hematopoietic Cell Transplantation: A Pilot Single-Center Study in Taiwan.*

Pharmaceuticals (Basel). 2021 Jun 26;14(7):613.

Kok T, de Boer H, Witteman B, Hovens M, van Luin M, Monajemi H.

*Anti-Xa Levels in Morbidly Obese Patients Using Apixaban or Rivaroxaban, Before and After Bariatric Surgery.*

Obes Surg. 2022 Mar;32(3):607-614.

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Groenland EH, van Kleef MEAM, Bots ML, Visseren FLJ, van der Elst KCM, Spiering W. *Plasma Trough Concentrations of Antihypertensive Drugs for the Assessment of Treatment Adherence: A Meta-Analysis.* Hypertension. 2021 Jan;77(1):85-93.

## **2020**

van de Velde D, van der Graaf JL, Boussaidi M, Huisman R, Hesselink DA, Russcher H, Kooij-Egas AC, van Maarseveen E, de Winter BCM. *Development and validation of hematocrit level measurement in dried blood spots using Near-Infrared spectroscopy.* Ther Drug Monit. 2020 Nov 2.

van Maarseveen EM, Gipmans SGH, van Zanten ARH. *Exposure Variability and Target Attainment of Vancomycin: A Systematic Review Comparing Intermittent and Continuous Infusion.* Ther Drug Monit. 2020 Jun;42(3):381-391.

van Maarseveen EM, van der Meer R, Neef C, Heijerman HGM, Touw DJ. *Does Circadian Rhythm Affect the Pharmacokinetics of Once-Daily Tobramycin in Adults With Cystic Fibrosis?* Ther Drug Monit. 2020 Aug;42(4):595-599.

Donners AAMT, van Maarseveen EM, Weetink YRJ, El Amrani M, Fischer K, Rademaker CMA, Egberts TCG, Huisman A, Musson REA. *Comparison between coagulation factor VIII quantified with one-stage activity assay and with mass spectrometry in haemophilia A patients: Proof of principle.* Int J Lab Hematol. 2020 Dec;42(6):819-826.

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## **2019**

El Amrani M, Donners AAM, Graat G, Lentjes EG, Huisman A, Musson REA, van Maarseveen EM.

*Quantification of coagulation factor viii in human plasma with liquid chromatography tandem mass spectrometry using a selective sample purification with camelid nanobodies.*

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*Population Pharmacokinetics of Fludarabine in Children and Adults during Conditioning Prior to Allogeneic Hematopoietic Cell Transplantation.*

Clin Pharmacokinet. 2019;58(5):627-637.

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*Six-step workflow for the quantification of therapeutic monoclonal antibodies in biological matrices with liquid chromatography mass spectrometry - A tutorial.*

Anal Chim Acta. 2019 Nov 8;1080:22-34. doi: 10.1016/j.aca.2019.05.076. Epub 2019 Jun 11. Review.

Mohsin El Amrani, Camiel Göbel, Annelies C. Egas, Stefan Nierkens, C. Erik Hack, Alwin D.R. Huitema, Erik M. van Maarseveen

*Quantification of neutralizing anti-drug antibodies and their neutralizing capacity using competitive displacement and tandem mass spectrometry: Infliximab as proof of principle*

Journal of Translational Autoimmunity, Volume 1, April 2019, 100004

Mohsin El Amrani;Sabine Bosman;Annelies Egas;C. Hack;Alwin D. Huitema;Erik van Maarseveen

*Simultaneous Quantification of Free Adalimumab and Infliximab in Human Plasma Using a Target-Based Sample Purification and Liquid Chromatography–Tandem Mass Spectrometry*

Therapeutic Drug Monitoring. 41(5):640–647, OCTOBER 2019

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*Clinical Pharmacokinetics and Impact of Hematocrit on Monitoring and Dosing of Tacrolimus Early After Heart and Lung Transplantation.*

Clin Pharmacokinet. 2019 Dec 10. doi: 10.1007/s40262-019-00846-1.

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*High Variability of Whole-Blood Tacrolimus Pharmacokinetics Early After Thoracic Organ Transplantation.*

Eur J Drug Metab Pharmacokinet. 2019 Nov 19. doi: 10.1007/s13318-019-00591-7.

Punt AM, Stienstra NA, van Kleef MEA, Lafeber M, Spiering W, Blankestijn PJ, Bots ML, van Maarseveen EM.

*Screening of cardiovascular agents in plasma with LC-MS/MS: A valuable tool for objective drug adherence assessment.*

J Chromatogr B Analyt Technol Biomed Life Sci. 2019 Jul 15;1121:103-110. doi: 10.1016/j.jchromb.2019.05.013. Epub 2019 May 14.

## **2018**

El Amrani M, Szanto CL, Hack CE, Huitema ADR, Nierkens S, van Maarseveen EM.

*Quantification of total dinutuximab concentrations in neuroblastoma patients with liquid chromatography tandem mass spectrometry.*

Anal Bioanal Chem. 2018;410:5849-58

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*Pharmacokinetics of favipiravir during continuous venovenous haemofiltration in a critically ill patient with influenza*

Antivir Ther. 2018;23(5):457-461. doi: 10.3851/IMP3210.print]

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*Development and validation of a liquid chromatography-tandem mass spectrometry analytical method for the therapeutic drug monitoring of eight novel anticancer drugs*

Biomed Chromatogr. 2018 Apr;32(4). doi: 10.1002/bmc.4147. Epub 2017 Dec 19.

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*Therapeutic Drug Monitoring of Small Molecule Kinase Inhibitors in Oncology in a Real-world Cohort Study: Does Age Matter?*

Br J Clin Pharmacol. 2018 Dec;84(12):2770-2778.

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*Therapeutic Drug Monitoring of endoxifen as an alternative for CYP2D6 genotyping in individualizing tamoxifen therapy.*

Breast. 2018;42:38-40.

Groenland SL, van Nuland M., Verheijnen RB, Schellens JHM, Beijnen JH, Huitema ADR, Steeghs N.

*Therapeutic drug monitoring of oral anti-hormonal drugs in oncology.*

Clin Pharmacokinet. 2018 Jun 4. doi: 10.1007/s40262-018-0683-0.

## **2017**

Boersma MN, Nugteren-van Lonkhuyzen JJ, van Maarseveen EM, Kaasjager HAH, van Riel AJHP, Dekker D.

*Intoxication with new psychoactive substances: drug unknown, but complications are still treatable*

Ned Tijdschr Geneeskd. 2017;161(0):D1368

van Gelder MK, van Eck van der Sluijs A, van Maarseveen EM, Klein Klouwenberg PMC, Abrahams AC.

*Response Letter to the "ISPD Peritonitis Recommendations: 2016 Update on Prevention and Treatment".*

Perit Dial Int. 2017 Sep-Oct;37(5):584-585.

PMID: 28931701

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*Salt intake and blood pressure response to percutaneous renal denervation in resistant hypertension.*

J Clin Hypertens (Greenwich). 2017 Sep 19. doi: 10.1111/jch.13085.

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Br J Clin Pharmacol. 2017 Aug 17. doi: 10.1111/bcp.13402.

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*Dried Blood Spot Sampling for Tacrolimus and Mycophenolic Acid in Children: Analytical and Clinical Validation*

Ther Drug Monit. 2017 Aug;39(4):412-421. doi:

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*Intoxication with new psychoactive substances: drug unknown, but complications are still treatable.*

Ned Tijdschr Geneeskd. 2017;161(0):D1368. Dutch.

PMID: 28659208

Falke LL, Broekhuizen R, Huitema A, Maarseveen E, Nguyen TQ, Goldschmeding R.

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*Simultaneous quantification of busulfan, clofarabine and F-ARA-A using isotope labelled standards and standard addition in plasma by LC-MS/MS for exposure monitoring in hematopoietic cell transplantation conditioning.*

J Chromatogr B Analyt Technol Biomed Life Sci. 2017 Jun 15;1055-1056:81-85. doi: 10.1016/j.jchromb.2017.04.025. Epub 2017 Apr 15.

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Hypertension. 2017 Apr;69(4):678-684. doi: 10.1161/HYPERTENSIONAHA.116.08818.

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