



20TH INTERNATIONAL CONGRESS OF THERAPEUTIC DRUG
MONITORING AND CLINICAL TOXICOLOGY
18. - 21. 9. 2022 | CLARION CONGRESS HOTEL PRAGUE

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programme.



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Days overview

	18.9		19.9	20.9	21.9
	Sunday		Monday	Tuesday	Wednesday
		9:00 - 10:00	Plenary Lecture 2: Hans Maurer	Plenary Lecture 3: Christophe Stove	Symposium 14: PMx - Immunosuppressive Drugs Committee
		10:00 - 10:30	Award 1: C.E. Pippenger Award	Award 2: Victor Armstrong Young Investigator Award	Symposium 15: Optimizing drug treatment with TDM and Pharmacogenetics; two peas in a pod
					Symposium Workshop: Paracetamol overdoses
					TCI vs TDM (debate)
	Pre-Congress Symposium: Model-informed precision dosing: From publication to application <small>(not included in Congress fee)</small>	10:30 - 11:00	Coffee break	Coffee break	Coffee break
	Session 1: Interpreting modelling literature	11:00 - 12:30	Symposium 1: Update topic of immunosuppressive drugs TDM in organ transplantation	Symposium 8: State of the art in microsampling	Oral presentations 13: Pharmacometrics
	Coffee break		Symposium 2: Antiseizure medication	Symposium 9: Challenges in dosing cancer patients at the extremes of the age spectrum	Oral presentations 14: Antiinfective drugs (Methods)
	Session 2: Evaluation of pharmacometric models for MIPD: Is my model fit-for-purpose?		Oral presentations 1: Methods	Symposium 10: High Resolution Mass Spectrometry a Versatile Tool in Clinical Toxicology and Drug Monitoring	Symposium 17: YSC Symposium 2022 - Hot topics in precision medicine
	Lunch break <small>(not included-individually)</small>		Symposium 3: TDM in the management of infections of implantable devices	Symposium 11: Therapeutic drug monitoring of the drugs used in the therapy of multiple sclerosis	Oral presentations 15: Varia
10:30 - 15:45	Session 3: Clinical trial simulations: what if?	12:30 - 14:00	Lunch break	Lunch break	Lunch break - Oral presentations 12: Biologics
	Closing remarks and feedback		Oral presentations 2: Immunosuppressants	Symposium 12: Finding the therapeutic window for biologics	Rountable Session: Therapeutic monitoring of calcineurin inhibitors: The success story still facing non-negligible challenges <small>(not included in Congress fee)</small>
			Symposium 4: Cannabis use and misuse	Oral presentations 6: Oncology	Closing Ceremony
		14:00 - 15:30	Oral presentations 3: Varia	Oral presentations 7: Toxicology	IATDMCT GENERAL ASSEMBLY
			Symposium 5: Antibiotics	Oral presentations 8: Toxicology	Best poster and oral presentation Award
				Pro-con 1: Fixed dosing according to drug-label vs dose capping	
		15:30 - 16:00	Coffee break	Coffee break	
16:00 - 17:45	Welcome Address		Oral presentations 4: Immunosuppressants	Symposium 13: Bioanalytical methods to support TDM of biologics	
	Plenary Lecture 1: Dario Cattaneo	16:00 - 18:00	Symposium 6: TDM of psychopharmaceutics	Oral presentations 9: Oncology	
			Symposium 7: Exposure to environmental pollutants in early life	Oral presentations 10: Toxicology	
			Oral presenations 5: Antibiotics	Oral presentations 11: Antiinfectives/Various	
		18:00 - 19:30		Symposium 14: Model informed precision dosing of biotherapeutics	
18:00 - 19:30	Welcome Cocktail	19:30 - 23:00		IATDMCT Congress Dinner	



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18.09.2022 - SUNDAY

TIME (all times are CEST)		Leo + Virgo (hall A)	Meridian (main hall)
8:30 - 18:30		Congress registration	
Pre-Congress Symposium (not included in Congress fee)		Model-informed precision dosing: From publication to application (not included in Congress fee)	
	10:30 -	Session 1: Interpreting modelling literature	
	12:00	1. Iris Minichmayr: Introduction to population PK(/PD) models 2. J.B. Woillard: From publication to model code 3. Hands-on: Turn publication into model code	
	12:00 -	Coffee break	
	12:15		
	12:15 -	Session 2: Evaluation of pharmacometric models for MIPD: Is my model fit-for-purpose?	
	13:15	1. Michael Neely: Model validation and re-estimation 2. Hands-on: Model validation and re-estimation	
	13:15 -	Lunch break (not included-individually)	
	14:00		
	14:00 -	Session 3: Clinical trial simulations: what if?	
Congress Opening Session	15:30	1. Sven van Dijkman: Introduction to simulations 2. Hands-on: Clinical trial simulations	
	15:30 -	Closing remarks and feedback	
Social event	15:45		
	16:00 -		Welcome Address
	16:30		
	16:30 -		Plenary Lecture 1: Dario Cattaneo Anti-infective TDM in special populations
	17:45		Chair: Teun van Gelder
	17:45 -	Welcome Cocktail	
	19:00		



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19.09.2022 - MONDAY

TIME (all times are CEST)		Meridian (main hall)	Leo + Virgo (hall A)	Aquarius (hall B)	Taurus (hall C)
8:00 - 18:00		Congress registration			
Plenary Lecture	9:00 - 10:30	Plenary Lecture 2: Hans Maurer Progress of mass spectrometry for research and practice in toxicology (50 min + 10 min discussion)			
		Award 1: C.E. Pippenger Award			
10:30 - 11:00		Coffee break			
Concurrent Session	11:00 - 12:30	Symposium 1: Update topic of immunosuppressive drugs TDM in organ transplantation Chairs: Satohiro Masuda, Florian Lemaitre	Symposium 2: Antiseizure medication Chairs: Torbjörn Tomson, Milan Grundmann	Oral presentations 1: Methods Chairs: Michael Vogeser, Juliane Hollender (7 min + 3 min discussion)	Symposium 3: TDM in the management of infections of implantable devices Chairs: Philip Drennan, Indy Sandaradura
		1. Christoph Seger: Progress in the collaboration between IFCC and IATDMCT for standardization (20 min + 5 min discussion) 2. Roland Lawson: Alteration of the gut microbiome in mycophenolate-induced enteropathy (20 min + 5 min discussion) 3. Loralie Langman: COVID-19: Treatment and Infection and the potential impact on immunosuppressive drugs TDM (20 min + 5 min discussion) 4. Smita Pattanaik: Correlation between Pre- transplant Tacrolimus Single-Dose Blood Concentrations and Post-Transplant Steady State Trough Concentrations (10 min + 5 min discussion)	1. Torbjörn Tomson: The use of antiseizure medications during pregnancy: emphasis on drug level monitoring (25 min + 5 min discussion) 2. Ivana Kacirova, Milan Grundmann: Monitoring of antiepileptic drugs concentrations in mothers, milk, and breastfed infants during the early postpartum period (25 min + 5 min discussion) 3. Suthida Boonsom: The prediction of serum valproic acid in Thai pediatric patients with epilepsy (10 min + 5 min discussion) 4. Leonid Gordeev: Therapeutic drug monitoring (TDM) and toxic effects of valproic acid in pediatric patients (10 min + 5 min discussion)	1. Stefania Cheli: Evaluation of a new nephelometric immunoassay for the therapeutic drug monitoring of anti-TNFα inhibitors 2. Pauline Griffeuille: Ultra-fast measurement of metformin using Probe Elecrospray Ionization Mass spectrometry (PESI-MS) 3. Jonas Fyrestam: Determination of levosimendan and its active metabolites in human plasma samples using UHPLC-HRMS 4. Albino Coglianese: Standard additions method in LC-MS/MS to quantify endogenous compounds: strengths and pitfalls 5. Karin Kipper: Bioanalytical LC-MS/MS method for therapeutic drug monitoring of novel anti-seizure medication – Cenobamate 6. Bruno Charlier: A novel LC-MS method to quantify cenobamate in non-adult patients from university hospital of Salerno 7. Raffaele Simeoli: A LC-MS/MS method for quantification of Cenobamate in adult patients with drug resistant focal-onset seizures 8. Liesl Heughebaert: Stability of four folate vitamers and one oxidation product in dried blood microsamples 9. Laura Boffel: Microsampling-based method for the determination of acetaminophen and four metabolites: a tool for pharmacokinetic studies	1. Deborah Marriott: Infections of implanted cardiac devices (25 min + 5 min discussion) 2. Philip Drennan: Infections of orthopedic prostheses (25 min + 5 min discussion) 3. Indy Sandaradura: Relevance of plasma concentrations to biofilm exposure (25 min + 5 min discussion)
12:30 - 14:00		Lunch break			



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19.09.2022 - MONDAY

TIME (all times are CEST)		Meridian (main hall)	Leo + Virgo (hall A)	Aquarius (hall B)	Taurus (hall C)
12:30 - 14:00		Lunch break			
Concurrent Session	14:00 - 15:30	<p>Oral presentations 2: Immunosuppressants</p> <p>Chairs: Satoshiro Masuda, Florian Lemaître (10 min + 5 min discussion)</p> <ol style="list-style-type: none"> Beatrice Niccoletti: Evaluation of automated ACMA & Petinia immunosuppressive drug assays in comparison with conventional methods Ofelia Noceti: How TICs could contribute to adherence in young liver transplant patients? Wei Qin: Determination of ABCs and SLCs transporters on PBMCs membrane by nanoLC: high resolution accurate mass Guido Trezeguet Renatti: Tacrolimus variability and HLA eplet mismatch as risk factors for rejection in pediatric liver transplantation Natalia Riva: Population pharmacokinetics of sublingual tacrolimus in pediatric liver transplantation and the influence of sedation Florian Lemaître: TDM of tacrolimus using trough concentrations misses the mark in four out of ten patients. 	<p>Symposium 4: Cannabis use and misuse</p> <p>Chairs: Vanessa Steenkamp, Amitava Dasgupta</p> <ol style="list-style-type: none"> Vanessa Steenkamp: Non-compliance of cannabinoid containing oils poses danger to medical users (15 min + 5 min discussion) Samir Zakhari: Chronic Alcohol Consumption and Organ Toxicity: Pathophysiological Mechanisms (15 min + 5 min discussion) Amitava Dasgupta: Dangers of synthetic cannabinoids (15 min + 5 min discussion) Manuela Neuman: Cannabis use in gastrointestinal disorders (15 min + 5 min discussion) 	<p>Oral presentations 3: Varia</p> <p>Chairs: David Suchy, Jitka Patockova (7min + 3 min discussion)</p> <ol style="list-style-type: none"> Chiara Cancellarini: Patient self-collected versus nurse-collected fingerprick volumetric absorptive microsampling for antiepileptic medication therapeutic monitoring Livia Simicevic: Pharmacogenomics in the prediction of cardiovascular drugs adverse reactions - PGx-CardioDrug Jiaye He: Poor correlation of rivaroxaban concentration with coagulation screening test in Chinese patients with atrial fibrillation Rajendra Singh: Homogeneous enzyme immunoassay for the determination of apixaban in human plasma Matteo Vidali: Method comparison for the measurement of anticoagulant activity in patients treated with direct oral anticoagulants Françoise Stanke-Labesque: Variability of drug pharmacokinetics and plasma exposure: keep in mind the role of inflammation David Yuan: Pgxtools for Pharmacogenetic analysis Maartje van de Meeberg: A meta-analysis of erythrocyte methotrexate polyglutamates in relation to methotrexate efficacy in immune-mediated inflammatory diseases Aline Christin Vollmer: Is dual liquid chromatography high-resolution mass spectrometry beneficial for analysis of oral antidiabetics and insulins? 	<p>Symposium 5: Antibiotics</p> <p>Chairs: Nadezda Petejova, Hundie Tesfaye</p> <ol style="list-style-type: none"> Nadezda Petejova: Expression of circulating microRNAs in septic patients treated with nephrotoxic antibiotic agents (25 min + 5 min discussion) Hundie Tesfaye: Paediatric cystic fibrosis patients as a special population benefiting from therapeutic drug monitoring guided medicine dosing: recent advances including new therapeutic options, life quality and expectancy. (25 min + 5 min discussion) Blanka Koristkova: Nephrotoxicity of vancomycin after implementation of higher therapeutic range (10 min + 5 min discussion)
	15:30 - 16:00	Coffee break			
Concurrent Session	16:00 - 18:00	<p>Oral presentations 4: Immunosuppressants</p> <p>Chairs: Natalia Riva, Marith I. Francke (10 min + 5 min discussion)</p> <ol style="list-style-type: none"> Florian Lemaître: Intratissular calcineurin inhibitors concentrations in heart transplant recipients Marith I. Francke: Body composition is associated with the pharmacokinetics of tacrolimus in kidney transplant recipients Marith I. Francke: Model-based tacrolimus follow-up dosing in adult renal transplant recipients: a simulation trial Suwasin Udomkarnjananun: P-glycoprotein and FK-binding protein-12 and the effect on intracellular tacrolimus concentration in CD3+ and CD14+ Francesco Lo Re: Impact of CYP3A5 polymorphism and of CO/Dose ratio on tacrolimus therapy in kidney transplant recipients Marith I. Francke: A population pharmacokinetic model of whole-blood and intracellular tacrolimus in kidney transplant recipients Alexandra Degraeve: Tacrolimus dose is associated with differential gut microbiota composition in stable renal transplant patients Caroline Monchaud: AUC-guided dose adjustment of LCP-tacrolimus using dried blood spots and Bayesian estimation: the ENVARSWITCH study 	<p>Symposium 6: TDM of psychopharmaceutics</p> <p>Chairs: Eva Ceskova, Christoph Hiemke</p> <ol style="list-style-type: none"> Eva Ceskova: Optimizing psychopharmacotherapy – what tools do we use in clinical practice? (25 min + 5 min discussion) Christoph Hiemke: TDM-guided pharmacotherapy in psychiatry today (25 min + 5 min discussion) Birgid Koch: Precision dosing of aripiprazole in children: linking blood levels to weight gain and effectiveness (10 min + 5 min discussion) Alessandra Manca: Seasonal variation of clozapine plasma levels in schizophrenic patients (10 min + 5 min discussion) Hasan Çağın Lenk: Effect of NFIB and CYP1A variants on clozapine exposure in patients with known smoking habits (10 min + 5 min discussion) 	<p>Symposium 7: Exposure to environmental pollutants in early life</p> <p>Chairs: Nicolas Venisse, Souleiman El Balkhi</p> <ol style="list-style-type: none"> Nicolas Venisse: Human biomonitoring programs around the globe focusing on exposure in children. (25 min + 5 min discussion) Franck Saint-Marcoux: Assessing exposure in Pregnancy and Postpartum: focus on exposure of newborns to pesticides. (25 min + 5 min discussion) Joelle Dupont: Effect of chronic exposure to glyphosate on fertility and growth and fattening of the progeny. (25 min + 5 min discussion) Robin Mesnage: Effect of glyphosate on gut microbiome. (25 min + 5 min discussion) 	<p>Oral presentations 5: Antibiotics</p> <p>Chairs: Michael Neely, Karel Urbanek (10 min + 5 min discussion)</p> <ol style="list-style-type: none"> Marta Miarons: Higher doses of vancomycin therapy in term and preterm neonates may be needed: retrospective analysis J.B. Woillard: A priori estimation of vancomycin first dose in neonates by Machine Learning Jacopo Angelini: The Meropenem Therapeutic Drug Monitoring to target therapeutic range and the impact of renal function Miao Yan: C/MIC > 4: a potential instrument to predict efficacy of meropenem Tim Ewoldt: Barriers and facilitators for therapeutic drug monitoring of beta-lactams and ciprofloxacin in the ICU Ana S. Rodríguez-Báez: Piperacillin-tazobactam plasma concentrations in Mexican patients with severe infections Sarah Baklouti: Comparison of equilibrium dialysis and ultrafiltration to measure unbound plasma concentrations of cefazolin Rekha Pai Mangalore: Beta-lactam antibiotic therapeutic drug monitoring in the critically ill – a systematic review and meta-analysis



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20.09.2022 - TUESDAY

TIME (all times are CEST)		Meridian (main hall)	Leo + Virgo (hall A)	Aquarius (hall B)	Taurus (hall C)
8:00 - 18:00		Congress registration			
Plenary Lecture	9:00 - 10:30	Plenary Lecture 3: Christophe Stove Microsampling: what do we need to do to accelerate the implementation in routine care? Chair: Birgit Koch (50 min + 10 min discussion)			
		Award 2: Victor Armstrong Young Investigator Award			
10:30 - 11:00		Coffee break			
Concurrent Session	11:00 - 12:30	Symposium 8: State of the art in microsampling Chairs: Christophe Stove	Symposium 9: Challenges in dosing cancer patients at the extremes of the age spectrum Chairs: Dirk Jan Moes, Vikram Gota	Symposium 10: High Resolution Mass Spectrometry a Versatile Tool in Clinical Toxicology and Drug Monitoring Chairs: Markus R. Meyer, Alain Verstraete	Symposium 11: Therapeutic drug monitoring of the drugs used in the therapy of multiple sclerosis Chairs: Milan Grundmann, Hana Brozmanova
		1. Suzanne Parker: Neonates (25 min + 5 min discussion) 2. Tom Zwart: Transplantation (25 min + 5 min discussion) 3. Birgit Koch: Microsampling to prevent side effects (25 min + 5 min discussion)	1. Vanita Noronha: Effect of age-related impaired organ function, comorbidities, and concomitant drugs on the pharmacokinetics of antineoplastics in older patients with cancer (25 min + 5 min discussion) 2. Alwin Huitema: Dosing of anticancer agents to neonates and infants (25 min + 5 min discussion) 3. Shelby Barnett: Establishment of a national therapeutic drug monitoring programme for the treatment of challenging childhood cancer patients (25 min + 5 min discussion)	1. Markus R. Meyer: Adherence testing by LC-HR-MS/MS in cardiology (25 min + 5 min discussion) 2. Loralie Langman: Pain management testing by LC-HR-MS/MS (25 min + 5 min discussion) 3. Alain Verstraete: TDM of antibiotics by LC-HR-MS/MS (25 min + 5 min discussion)	1. Veronika Pesakova; Hana Brozmanova: Development of LC-MS methods for the estimation of small molecules (fingolimod, teriflunomide) (15 min + 5 min discussion) 2. Patrik Matlak: Development of LC-MS methods for the estimation of natalizumab (15 min + 5 min discussion) 3. Zuzana Kusnirikova: Therapeutic monitoring of teriflunomide serum concentrations in patients with multiple sclerosis (20 min + 5 min discussion) 4. Ivana Kacirova: Therapeutic monitoring of whole blood concentrations of fingolimod and fingolimod phosphate in routine clinical practice (20 min + 5 min discussion)
12:30 - 14:00		Lunch break			



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20.09.2022 - TUESDAY

TIME (all times are CEST)		Meridian (main hall)	Leo + Virgo (hall A)	Aquarius (hall B)	Taurus (hall C)
12:30 - 14:00		Lunch break			
Concurrent Session	14:00 - 15:30	Symposium 12: Finding the therapeutic window for biologics Chairs: Annick de Vries & Jeroen Hendrickx	Oral presentations 6: Oncology Chairs: Vanita Noronha, David Suchy (10 min + 5 min discussion)	Oral presentations 7: Toxicology Chairs: Eric Franssen, Pavel Anzenbacher (10 min + 5 min discussion)	Oral presentations 8: Toxicology Chairs: Souleiman El Balkhi, Pascal Carato (10 min + 5 min discussion)
		1. Nicolas Frey: What did we learn about tocilizumab dosing in RA and COVID-19 by using pharmacometrics? (25 min + 5 min discussion) 2. Gertjan Wolbink: Finding a therapeutic in large real-life cohorts: how to apply in daily clinical practice? (25 min + 5 min discussion)	1. Bénédicte Franck: Therapeutic drug monitoring of ruxolitinib in graft versus host disease in pediatric transplantation 2. Sara Cairolì: LC-MS/MS method for TDM of ruxolitinib in pediatric patients with GVHD following hematopoietic stemcel transplantation 3. Nick Verougstraete: Results from a Volumetric Absorptive Microsampling (VAMS) home-sampling study for TDM of tyrosine kinase inhibitors. 4. Bram Agema: Improving the tolerability of osimertinib by identifying its toxic limit 5. Bianca Posocco: Correlation between plasma and DBS concentrations of several oral anticancer drugs 6. Fenna de Vries: Pharmacokinetics of pembrolizumab in a stage IV NSCLC patient after a single 200 mg infusion	1. Rossella Gottardo: Intentional and unintentional nitrite intoxications: a novel diagnostic strategy based on capillary electrophoresis 2. Maria Stornaiuolo: Optimization of hair sample pre-treatment step for determination of drugs of abuse by UPLC-MS/MS 3. Emilia Hoste: Human skeletal muscle differential drug transporter expression might explain variability in ATV accumulation in vitro 4. Christophe Stove: Increasing confidence in a Peth 16:0/18:1 decision limit for abstinence/minor alcohol intake at 20 ng/mL 5. Christophe Stove: Towards better understanding SCRAs and metabolites in recreational drug intoxications associated with 5F-MDMB-PICA use 6. Nick Verougstraete: First identification, chemical analysis and pharmacological characterization of the latest nitazene opioid etonitazepipne	1. Souleiman El Balkhi: Toxicological and analytical investigation in a neonicotinoid acute poisoning. The importance of toxicokinetics 2. Erik Sveberg Dietrichs: Effects of perfluorosulfon acids on P-glycoprotein mediated transport in the intestinal epithelial barrier 3. Pascal Carato: Synthesis, evaluation of halogenated parabens and BPA derivatives 4. Alexis Sauvaget: Investigation of human hepatic metabolism of propylparaben through an in vitro model comparison with methylparaben 5. Julien Robin: Assessment of endocrine disruptors exposure in professionals from an hospital using hair and urine analysis 6. Elies Zarrouk: High resolution accurate mass (HRAM) approach for the detection of pesticides in human matrices
		Pro-con 1: Fixed dosing according to drug-label vs dose capping			
		1. Gertjan Wolbink vs. Nicolas Frey: Fixed dosing according to drug-label or concentration led dosing (10 min + 10 min + 10 min discussion)			
15:30 - 16:00		Coffee break			
Concurrent Session	16:00 - 18:00	Symposium 13: Bioanalytical methods to support TDM of biologics Chairs: Dirk Jan Moes and Annick de Vries	Oral presentations 9: Oncology Chairs: Hundie Tesfaye, David Suchy (10 min + 5 min discussion)	Oral presentations 10: Toxicology Chairs: Eric Franssen, Pavel Anzenbacher (10 min + 5 min discussion)	Oral presentations 11: AntiInfectives/Various Chairs: Blanka Koristkova, Karel Urbanek (7 min + 3 min discussion)
		1. Mohsin El Amrani: Use of LC-MS to use for TDM of biologics: both PK and anti-drug antibody (25 min + 5 min discussion) 2. Maurice Steenhuis: Use of capillary sampling for TDM of biologics: further optimise QoL for patients on biologics (25 min + 5 min discussion)	1. Luci Giacomo: Determination of mitotane and metabolite by a simple HPLC-UV method and application in plasma samples 2. Hundie Tesfaye: Therapeutic drug monitoring (TDM) of carboplatin in children: earlier study reports versus evidence today 3. Zaiwei Song: Towards therapeutic drug monitoring of lenalidomide? Results of an observational study of exposure-safety relationship 4. Jasmine Hughes: Model-based methods out-perform non-compartmental analysis for busulfan precision dosing 5. Mahdjouba Natalia Idjeri: Validation of a method for the simultaneous quantification of 30 new antineoplastic drugs by HRMS 6. Chadi Abbbara: Nonlinear mixed effect analysis of cytarabine degradation kinetics in acute myeloid leukemia patients blood samples	1. Christine Snozek: Interpretation of urine drug test results: assessing clinical provider and labororian expertise 2. Alain Verstraete: Identification of metabolites of N-ethylpentedrone in urine samples with molecular networking 3. Emmanuel Bourgogne: CFM-ID in-silico database extend drug annotation and open perspectives for molecular networking approach in toxikology 4. Loralie Langman: Prevalence of p-OH-Methamphetamine in Meconium Samples Assayed for Methamphetamine and Amphetamine By LC-MS/MS 5. Sascha K. Manier: Overcoming Pitfalls and Challenges During Optimization of an Automated Metabolite-Based Urine Screening Method 6. Matthias Julius Richter: In vitro metabolism of the synthetic cannabinoid receptor agonists QMMSB and QMIPSB	1. Ivana Kaciřova : Therapeutic monitoring of serum concentrations of acyclovir and its metabolite 9-carboxymethoxymethylguanine 2. Amedeo De Nicolò: Plasma and intracellular concentrations of ritonavir-boosted atazanavir in the presence of rifampicin: a dose-escalation study. 3. Natalia Bordin Andriguetti: Plasma Efavirenz concetrations are associated with CYP2B6 516T ALLELE in HIV Papua New Guineans 4. Jessica Cusato: Neuro-HIV related inflammation: the role of pharmacokinetic and pharmacogenetic factors 5. Shi Lu: Dose Optimization of Linezolid Based on a Population Pharmacokinetics Model: A two-center Prospective Interventional Study 6. Jinhui Xu: A Risk prediction model incorporating concentrations of linezolid and metabolite for the occurrence of thrombocytopenia 7. Xuemei Luo: Population Pharmacokinetics of Polymyxin B and Dosage Strategy in Critically Ill Patients 8. Eszter Gulyás: TDM-guided individualized antibiotic therapy of chronic critically ill patients in a multidisciplinary Framework 9. Dominic MH Tong: Evaluating and improving neonatal gentamicin pharmacokinetic models using aggregated routine clinical care data 10. Aaryashree Aaryashree: Molecularly Imprinted Carbon-Paste-based Chip-Sensor: A Promising Candidate for Bed-side Therapeutic Monitoring of Vancomycin 11. Miao Yan: Overall Therapeutic drug monitoring practice: an Asia-wide cross-sectional survey
		Symposium 14: Model informed precision dosing of biotherapeutics Chairs: Rob ter Heijne, Alwin Huitema			
		1. Dirk Jan Moes: Model informed precision dosing of biotherapeutics in immunology and inflammation: Challenges and opportunities (25 min + 5 min discussion) 2. Joseph Ciccolini: Model informed precision dosing of biotherapeutics in oncology (25 min + 5 min discussion)			
Social event	19:30 - 23:00	IATDMCT Congress Dinner			



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21.09.2022 - WEDNESDAY					
TIME (all times are CEST)		Meridian (main hall)	Leo+Virgo (hall A)	Aquarius (hall B)	Taurus (hall C)
7:30 - 15:30		Congress registration			
Concurrent Session	9:00 - 10:30	Symposium 15: PMx - Immunosuppressive Drugs Committee Chairs: Jean-Baptiste Woillard, Florian Lemaitre	Symposium 16: Optimizing drug treatment with TDM and Pharmacogenetics; two peas in a pod Chairs: Jesse Swen, Thorsten Lehr	TCI vs TDM debate Chair: Dario Cattaneo	Symposium Workshop: Paracetamol overdoses Chairs: Marieke Sturkenboom, Vanessa Steenkamp
		1. Jean-Baptiste Woillard: Application of machine learning to prediction of immunosuppressant exposure, the example of tacrolimus (25 min + 5 min discussion) 2. Florian Lemaitre: Is it still useful to perform limited sampling strategies in the era of microsampling (at least in the tacrolimus era)? (25 min + 5 min discussion) 3. Anders Asberg : Many POPPK models are published for tacrolimus which more or less evaluation and validation. What is the level of evidence for the use of these models, can we derive guidelines for using them. (25 min + 5 min discussion)	1. Jennifer Martin: Personalized treatment of Tyrosine Kinase Inhibitors with TDM and Pharmacogenetics. (25 min + 5 min discussion) 2. Thorsten Lehr: Integrating Drug-Drug-Gene interactions: a Physiologically Based Pharmacokinetic approach (25 min + 5 min discussion) 3. Emmy Boerrigter: Improving the efficacy toxicity balance of anticancer drugs (25 min + 5 min discussion)	Nick Holford & Teun van Gelder (20 min + 20 min + 20 min discussion)	1. Marieke Sturkenboom: Current guidelines on the treatment of paracetamol overdoses (25 min + 5 min discussion) 2. Vanessa Steenkamp: Prevention of paracetamol overdoses (25 min + 5 min discussion) 3. Marieke Sturkenboom; Vanessa Steenkamp: Clinical cases, interactive session (25 min + 5 min discussion)
10:30 - 11:00		Coffee break			
Concurrent Session	11:00 - 12:30	Oral presentations 13: Pharmacometrics Chairs: J.B. Woillard, Sven van Dijkman (10 min + 5 min discussion)	Oral presentations 14: Antif Infective drugs (Methods) Chairs: Hana Brozmanova, Pavel Anzenbacher (7 min + 3 min discussion)	Symposium 17: YSC Symposium 2022 - Hot topics in precision medicine Chairs: Maria Zimmermann-Kogadeeva, Kevin Plaxco	Oral presentations 15: Varia Chairs: Teun van Gelder, Ivana Kaciřova (7 min + 3 min discussion)
		1. Sarah Baklouti: A methodology to de-shrink Empirical Bayes Estimates 2. Alessandro De Carlo: How modelling and simulations combined with artificial intelligence can improve precision dosing 3. J.B. Woillard: Recurrent neural network to predict the glomerular filtration rate in renal transplant patients 4. Ron Kelzer; Dominic MH Tong; Jasmine Hughes: Lessons learned implementing pharmacokinetic models at the point of care 5. Midas Mulder: Ribavirin pharmacokinetics and -dynamics in transplant recipients with a chronic hepatitis E virus infection 6. Markus Hovd: Robustness of limited sample strategies, as exemplified by iohexol clearance to measure glomerular filtration rate	1. Zamrotul Izzah: Quantification of tenofovir, lamivudine and efavirenz in saliva using a mobile microvolume spectrophotometer 2. Jacopo Mula: Analytical validation of UHPLC-MS/MS Kit for plasma levels determination of 19 antibiotics molecules 3. Maeva Palayer: 2D-LC-MS/MS assay validation and clinical application for monitoring 11 antibiotics in patient with life-threatening infections 4. Francesco Chiara: Validation of a new LC-MS/MS Kit for measurement of 12 antibacterials in plasma and PBMCs 5. Sophie Magreault: Automatic sample preparation for the quantification of antibiotics in plasma by liquid chromatography-tandem mass spectrometry 6. Giacomo Luci: A new validated HPLC-UV method for therapeutic monitoring of daptomycin in comparison with reference LC-MS/MS 7. Alice Palermi: Simultaneous quantification of the anti-COVID-19 drugs remdesivir, molnupiravir and their active metabolites in human plasma. 8. Alice Palermi: A UHPLC-MS/MS method for quantification of remdesivir and its metabolite GS-441524 in human milk 9. Marta Miarons: Pharmacokinetics Alterations in Three Critically Ill Patients on Extracorporeal Membrane Oxygenation Receiving Isavuconazole	1. Maria Zimmermann-Kogadeeva: Drug-Gut microbiota interaction: Importance of microbiomics in Pharmacokinetics (25 min + 5 min discussion) 2. Kevin Plaxco: The promise of biosensing: Achieving the vision of personalised medicine (25 min + 5 min discussion) 3. Jasmine Hughes: What can machine learning and pharmacometrics learn from each other? (25 min + 5 min discussion)	1. Emma Ronde: Pharmacokinetics of antenatal corticosteroids in pregnancy: the influences of individual maternal co-variables 2. Kine Eide Kvitne: Short-and long-term effects of body weight, calorie-restriction, and RYGB on CYP1A2-, CYP2C19-, and CYP2C9 activity 3. Roy Lakis: Albumin in therapeutics: characterization and adjustment of post-translational modifications in commercial albumin solutions 4. Tod Kippin: Real-time therapeutic drug measurements enable drug concentration control in plasma and tissue. 5. Ivana Kaciřova: TDM of antihypertensive drugs in routine clinical practice 6. Marith I. Francke: The use of freeze-dried blood samples affects the results of a dried blood spot analysis. 7. Sigrid Deprez: Combined therapeutic drug monitoring of four immunosuppressants and creatinine using the Capitainer qDBS device
Concurrent Session - Lunch break	12:30 - 14:00	Lunch break			
		13:00-13:45 Round table Session: Hundie Tesfaye Therapeutic monitoring of calcineurin inhibitors: The success story still facing non-negligible challenges (not included in Congress fee)	Oral presentations 12: Biologics Chairs: Floris Loeff, Annick de Vries (10 min + 5 min discussion) 1. Floris Loeff: TDM of biologics reassures clinicians in personalised dosing 2. Bryan van den Broek: Patient-centered dupilumab dosing regimen leads to successful dose reduction in persistently controlled atopic dermatitis 3. Patricio Ms-Serrano: Variables influencing pharmacokinetics of adalimumab in patients with inflammatory bowel disease 4. Camille Tron: Switch from intravenous to sub-cutaneous infliximab in inflammatory bowel disease: consequences from a pharmacokinetic perspective? 5. Yewei Chen: PK/PD model to support rituximab dosing strategies for pediatric patients with refractory nephrotic syndrome		
Closing Ceremony	14:00 - 15:30	Closing Remarks			
		IATDMCT GENERAL ASSEMBLY			
		Best poster and oral presentation Award			



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