



Abstracts of poster sessions

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Poster Number	WEDNESDAY April 24th	
	Full Abstract	Authors
A1	PHARMACOKINETIC PROFILE OF FIPRONIL ADMINISTERED ORALLY IN THE FORM OF CHEWABLE TABLETS IN DOGS	Fernando Rocha Miranda, Isabelle Vilela Bonfim, Karen Kuhfuss da Silva de Lima, Ingrid Lins Raquel de Jesus, Debora Azevedo Borges, Yara Peluso Cid.
A2	RELATIVE BIOEQUIVALENCE OF IVERMECTIN 1%: SINGLE VS. COMBINED FORMULATION WITH FLUAZURON 12.5% BY SUBCUTANEOUS ADMINISTRATION ON CATTLE	Diego Robaina, Gonzalo Suárez.
A3	MODELING AND SIMULATION FOCUSING ON THE CHRONOPHARMACOKINETICS OF GENTAMICIN IN DOGS	Karina Krauss Ferraz Vasconcelos, Kevellyn Silveira Gomes Martins, Naira Fernanda Dias da Silva, Lillian Pereira Gouvêia, Sibely Aiva Flores, Lucas Wamser Fonseca Gonzaga.
A4	PHYSIOLOGY-BASED PHARMACOKINETIC MODELING OF DEXMEDETOMIDINE IN HEALTHY DOGS	Lillian Pereira Gouvêia, Lucas Wamser Fonseca Gonzaga, Karina Krauss Ferraz Vasconcelos, Naira Fernanda Dias da Silva, Sibely Aiva Flores, Marcos Ferrante.
A5	PBPK MODELING FOR PROPOFOL DOSE OPTIMIZATION IN DOGS WITH HEPATIC IMPAIRMENT	Lucas Wamser Fonseca Gonzaga, João Bosco Costa Coelho, Beatriz Monte Egito, Lillian Pereira Gouveia, Frederico Severino Martin, Marcos Ferrante.
A6	PHARMACOKINETIC MODELING APPLIED TO THE OPTIMIZATION OF METHADONE DOSING REGIMEN IN DOGS	Naira Fernanda Dias da Silva, Karina Krauss Ferraz Vasconcelos, Lillian Pereira Gouvêia, Sibely Aiva Flores, Kevellyn Silveira Gomes Martins, Lucas Wamser Fonseca Gonzaga.
A7	PBPK MODELING TO PREDICT IN VIVO PERFORMANCE OF FLOATING 3D PRINTED INKS CONTAINING RICOBENDAZOLE IN DOGS.	Marianela Lorier, María Eugenia Barberis, Juan Pablo Real, Manuel Ibarra.
A8	COVARIATES AFFECTING POTASSIUM BROMIDE APPARENT CLEARANCE IN DOGS	Silvana Alvariza, Vernadette Bianchinotti, Micaela Sturchio, Diego Robaina, Gonzalo Suárez.

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A9	<u>PHARMACOKINETIC AND PHARMACODYNAMIC MODELING FOR IN VITRO EVALUATION OF CLOXACILLIN AGAINST <i>Corynebacterium pseudotuberculosis</i></u>	Marcos Ferrante, Larissa Alexandra Felix, Maria Leticia Carneiro Rodrigues, Ana Milena César Lima, Viviane Maria Dias Costa, Patrícia Yoshida Faccioli-Martins.
A10	<u>PHARMACOKINETIC AND PHARMACODYNAMIC INTEGRATION OF ENROFLOXACIN IN BROILER FOR COLIBACILLOSIS TREATMENT</u>	Larissa Alexandra Felix, Beatriz Monte Egito, Bruna Christina Fernandes Soares, Diego Diaz, Sheila Rezler Wosiack, Marcos Ferrante.
A11	<u>POPULATION MODELING TO STUDY THE PHARMACOKINETICS OF RUTIN IN AN EXTRACT OF CALYCES FROM <i>Physalis peruviana</i> IN NEW ZEALAND WHITE RABBITS</u>	Gina Paola Domínguez Moré, Cláudia Maria Oliveira Simões, Diana Marcela Aragón.
A12	<u>SEX, DRUGS, & PBPK: AN ASSESSMENT OF RELEVANT MEN-WOMEN PHYSIOLOGIC DIFFERENCES REPRESENTATION IN PK-SIM AND GASTROPLUS</u>	Marianela Chavarria Rojas, Marianela Lorier, Manuel Ibarra.
A13	<u>CAN INHALED CANNABIS USERS ACCURATELY EVALUATE IMPAIRED DRIVING ABILITY? A PKPD MODEL</u>	Nicolas Simon, Bibiana Cardozo, Sarah Hartley, Islam Amine Larabi, Jean Claude Alvarez.
A14	<u>APPLICATION OF A PHARMACOMETRICS MODEL BY ASSESSING THE EFFICACY OF AMPHOTERICIN B DEOXYCHOLATE</u>	Laiz Campos Pereira; Valdeene Vieira dos Santos; Matheus Antônio da Hora Borges; Jackeline Marley dos Santos Araújo; Luisa Oliveira Santos; Rafaela Ferreira Santos Marques; Izabel Almeida Alves; Francine Johansson Azeredo.
A15	<u>SIMULATION OF PHARMACOKINETIC PROPERTIES OF NARINGENIN, CURCUMIN AND β-CAROTENE</u>	Jessica Cruz-Mora, Marisin Pecchio, Johant Lakey-Beitia.
A16	<u>PD MODELING OF ARTESUNATE-MEFLOQUINE ASSOCIATION EFFECT IN MICE</u>	Valdeene Vieira Santos, Laiz Campos Pereira, Aline Morena Lourenço dos Santos Miranda, Helenita Costa Quadros, Mariana da Cruz Borges Silva, Diogo Rodrigo de Magalhães Moreira, Francine Johansson Azeredo.

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B1	<u>PBPK MODELING IN DRUG DEVELOPMENT FOR RARE DISEASES: A SYSTEMATIC REVIEW OF FDA APPROVALS</u>	Karen Dayana Lancheros Porras, Diana Marcela Aragón Nova.
B2	<u>TWO-STEP IN VITRO-IN VIVO CORRELATION FOR DEVELOPMENT A PREDICTIVE FLOW THROUGH CELL DISSOLUTION METHOD FOR CARBAMAZEPINE MODIFIED RELEASE TABLET</u>	Laura Carvajal Barbosa, Marcela Aragón Nova.
B3	<u>EVALUATION OF THE DISSOLUTION BEHAVIOR OF ETODOLAC TABLETS USING A PHYSIOLOGICALLY BASED BIOPHARMACEUTICS MODELING APPROACH</u>	Larissa Lopes Rodrigues Gomide, Marcelo Dutra Duque.
B4	<u>DEVELOPMENT OF RELIABLE AND INTERPRETABLE COMPUTATIONAL MODELS FOR PREDICTING AQUEOUS SOLUBILITY, CACO-2 CELL PERMEABILITY AND METABOLIC STABILITY OF MOLECULES</u>	Gabriela Falcón-Cano, Christophe Molina and Miguel Ángel Cabrera-Pérez.
B5	<u>PHYSIOLOGY-BASED PHARMACOKINETIC EVALUATION OF TAFENOQUINE DRUG-DRUG INTERACTIONS</u>	Luisa Oliveira Santos; Francine Johansson Azeredo.
B6	<u>PBPK MODELING OF 3D-PRINTED BENZNIDAZOLE FORMULATIONS FOR INDIVIDUALIZED CHAGAS DISEASE TREATMENT</u>	Patricia Rega, María Sol Magi, Lucía Lopez-Vidal, Álvaro Jimenez Kairuz, Santiago Daniel Palma, Juan Pablo Real, Manuel Ibarra.
B7	<u>PHYSIOLOGY-BASED PHARMACOKINETIC MODELING TO OPTIMIZE INTRAVENOUS LIDOCAINE INFUSION IN DOGS WITH HEMORRHAGIC SHOCK</u>	ibely Aiva Flores, Bárbara Fernandes Dorante, Vivian Aparecida Malta, Bruna Christina Fernandes Soares, Lucas Wamser Fonseca Gonzaga, Marcos Ferrante.
B8	<u>EVALUATION OF THE DISSOLUTION BEHAVIOR OF THE LYSOSOMOTROPIC DRUG AMLODIPINE USING PHYSIOLOGICALLY BASED BIOPHARMACEUTICS MODELING (PBBM)</u>	Jose Perez-Urizar, Porfirio de La Cruz, Larissa Lopes Rodrigues Gomide, Marcelo Dutra Duque.
B9	<u>ADVANCING HORIZONS IN PBPK MODELING: A REVIEW OF PATENT FROM 2013 TO 2024</u>	Brian Sebastian Correa Barrera, Karen Lancheros, Izabel Almeida Alves, Diana Marcela Aragón Nova.
B10	<u>PREDICTION OF IN VIVO BEHAVIOUR OF METFORMIN-LOADED PLGA NANOPARTICLES.</u>	Dalia Elena Lopera, Marisín Pecchio.
B11	<u>IMPACT OF THE DIFFERENCES IN VITRO DISSOLUTION ON THE ALBENDAZOLE PHARMACOKINETICS PARAMETERS</u>	Nelly Norma Castro-Torres, Iliana González-Hernández, Lourdes Mayet-Cruz, José Becerril-Vega, Helgi Jung-Cook.



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B12	<u>MECHANISTIC INSIGHTS INTO AMLODIPINE ORAL ABSORPTION</u>	Porfirio de la Cruz Cruz, Mauricio García Alcalde, Ángel Antonio Vértiz Hernández, José Trinidad Pérez Urizar.
B13	<u>NOVEL AND SIMPLE METHOD TO BACK-CALCULATE PLASMA CONCENTRATIONS IN TWO-COMPARTMENTAL MODELS</u>	Mauricio A. García, Pablo M. González.
B14	<u>APPROXIMATION TO THE POPULATION PK/PD MODEL OF A SELF-EMULSIFYING DELIVERY SYSTEM OF AN EXTRACT FROM <i>Physalis peruviana</i></u>	Cristian Sneyder Castellanos Sánchez , Maria Isabel Cardona, Gina Paola Domínguez Moré, Diana Marcela Aragón.
B15	<u>IMPROVEMENT TYPE 2 DIABETES TREATMENT WITH VILDAGLIPTIN USING POPULATION PHARMACOKINETIC AND PHARMACODYNAMIC MODELING</u>	Bruna Bernar Dias, Laura Ben Olivo, Bibiana Verlindo de Araújo.

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C1	<u>A SOFTWARE TOOL FOR A PRIORI MODEL-INFORMED DOSE SELECTION OF TACROLIMUS FOR SOLID ORGAN TRANSPLANT RECIPIENTS</u>	Yannick Hoffert, Nada Dia, Erwin Dreesen.
C2	<u>A QUANTITATIVE SYSTEMS PHARMACOLOGY MODEL OF VALPROIC ACID-INDUCED HYPERAMMONEMIA FOR PEDIATRIC AND ADULT PATIENTS</u>	Alejandra Schiavo, Cecilia Maldonado, Marta Vazquez, Pietro Fagiolino, Iñaki F Trocóniz, Manuel Ibarra.
C3	<u>POPULATION PHARMACOKINETICS OF TENOFOVIR/EMTRICITABINE AMONG TRANSWOMEN AT HIV RISK ON ORAL PREP AND FEMINIZING HORMONE THERAPY: ANALYSIS OF POTENTIAL INTERACTIONS ON PREP</u>	Vitória Berg Cattani, Emilia Jalil, Thiago Torres, Sandra Cardoso, Leonardo Eksterman, Cristiane Castro, Bruna Bernar Dias, Laila Monteiro, Erin Wilson, Bibiana Araujo, Valdilea Veloso, Beatriz Grinsztejn, Rita Estrela.
C4	<u>NEW INSIGHTS INTO THE EFFECT OF VKORC1 POLYMORPHISM ON MODEL-INFORMED PRECISION DOSING OF WARFARIN IN CARIBBEAN HISPANICS: EXTERNAL VALIDATION OF A POPULATION PK/PD MODEL</u>	Karine Rodríguez-Fernández, Gledys Reynaldo, Stephanie Reyes-González, Camila de las Barreras, Leyanis Rodríguez, Jorge Duconge, Victor Mangas-Sanjuan.
C5	<u>PREDICTIVE PERFORMANCE OF DIFFERENT PUBLISHED MODELS FOR WARFARIN USING A BAYESIAN FORECASTING IN MEXICAN PATIENTS WITH ATRIAL FIBRILLATION AND VALVE REPLACEMENT.</u>	Omar Rodríguez Pérez, Juan Manuel López Quijano, Antonio Augusto Gordillo Moscoso, Rodrigo Velarde Salcedo, Silvia Romano Moreno, Rosa del Carmen Milán Segovia, Úrsula Fabiola Medina Moreno, Susanna Edith Medellín Garibay.
C7	<u>PHARMACOKINETIC CHARACTERIZATION OF ISONIAZID AND RIFAMPICIN TREATMENT IN TUBERCULOSIS PATIENTS FROM URUGUAY</u>	Andrés Baptista, Yessica Imbriago, Patricia Rega, Marianela Lorier, Nicolás Dell'Oca, Carla Molles, Fernanda Domínguez, Daniela Guicheney, Camila Urroz, Marcia Velázquez, Natalia Morena, Mercedes Perendones, Mercedes Corral, María Buroni, Susana Cabrera, Mónica Hernández, Mariela Contrera, Eduardo Reséndiz, Paolo Denti, Manuel Ibarra.
C8	<u>PHARMACOKINETIC MODEL OF LAMOTRIGINE IN BIPOLAR DISEASE PATIENTS</u>	Priscilla Navarro Medina, Elba Margarita Romero Tejeda, Claudia Verónica Palacios Magaña, Edy David Rubio Arellano, Jaime Carmona Huerta, Nicté Selene Fajardo Robledo.
C9	<u>POPULATION PHARMACOKINETICS OF CEFEPIME IN ADULTS WITH HEMATOLOGICAL MALIGNANCIES AND FEBRILE NEUTROPENIA AFTER CHEMOTHERAPY</u>	Daniel S Parra, José C Álvarez, Sonia I Cuervo, Edelberto Silva, Jorge A Díaz, Lorena L Jiménez, Julio C Gómez, Ricardo Sánchez, Jorge A Cortés.
C10	<u>NONCOMPARTMENTAL PHARMACOKINETIC ANALYSIS OF ISOSORBIDE-5-MONONITRATE IN HEALTHY MEXICAN VOLUNTEERS.</u>	Ivette Guadalupe Herrera Pérez, Malena Veloz Domínguez, Juan Luis Gutiérrez Velázquez, Juan Ernesto Dávila Romero, Héctor Manuel González Martínez.

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C11	<u>IMPACT OF CHROMOSOMAL TRANSLOCATIONS AND TRANSPORTER POLYMORPHISMS ON POPULATION PHARMACOKINETICS OF METHOTREXATE IN CHILDREN WITH ACUTE LYMPHOBLASTIC LEUKEMIA</u>	Fausto Zaruma-Torres, Maritza Ochoa Castro, Enmanuel Guerrero Quiroz, Andrés Andrade Galarza, Adriana Orellana Paucar, Catherine Acurio, Soledad Jiménez, Geovanny Barrera, Rodrigo Caroca.
C12	<u>A POSTERIORI PHARMACOKINETIC ANALYSIS IN PEDIATRIC PATIENTS WITH ACUTE LYMPHOBLASTIC LEUKEMIA AT HIGH-DOSE METHOTREXATE. PROOF OF CONCEPT.</u>	Juan Antonio Garzón Lamarque, Elba Margarita Romero Tejeda, Monzerrat Pardo Zepeda, Ana Rosa Rincón Sánchez, Hugo Romo Rubio, Fernando Sánchez Zubieta, Elba Margarita Romero Tejeda.
C13	<u>POPULATION PHARMACOKINETICS OF TACROLIMUS AFTER LONG-TERM USE IN ADULT TRANSPLANT RECIPIENTS IN COLOMBIA</u>	Ivone E. Jimenez, Andrés Hincapié, María A. Montoya-Giraldo, Andres F. Zuluaga.
C14	<u>POPULATION PHARMACOKINETIC MODELING OF ORAL ACETAMINOPHEN IN HEALTHY ADULTS WITH AND WITHOUT OBESITY IN MEDELLIN, COLOMBIA</u>	Andres F. Zuluaga, Ivone Jiménez, Andrés Hincapié, Héctor Pérez, Maria A. Montoya, Carolina Rosero, Laura Vargas.
C15	<u>IN VITRO STUDY OF RED BLOOD CELL-PLASMA PARTITIONING OF FIRST-LINE ANTI-TUBERCULOSIS DRUGS AND ITS RELEVANCE FOR MODEL-INFORMED PRECISION DOSING THROUGH DRIED BLOOD SPOT SAMPLING.</u>	Rodrigo Velarde Salcedo, Ivette Guadalupe Herrera Pérez, Cristian Jazmín Rodríguez Pinal, Arturo Ortiz Álvarez, Rosa del Carmen Milán Segovia, Silvia Romano Moreno, Susanna Edith Medellín Garibay.