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## A Survey of Neonatal Pharmacokinetic and Pharmacodynamic Studies in Pediatric Drug Development

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#	Paper	IF	Citations
29	Clinical research in neonates and infants: Challenges and perspectives. <i>Pharmacological Research</i> , <b>2016</b> , 108, 80-87	10.2	29
28	Children in clinical trials: towards evidence-based pediatric pharmacotherapy using pharmacokinetic-pharmacodynamic modeling. <i>Expert Review of Clinical Pharmacology</i> , <b>2016</b> , 9, 1235-44	3.8	18
27	Clinical Utility and Safety of a Model-Based Patient-Tailored Dose of Vancomycin in Neonates. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2016</b> , 60, 2039-42	5.9	28
26	Antimicrobial dosing in neonates. <i>Expert Review of Clinical Pharmacology</i> , <b>2017</b> , 10, 239-242	3.8	3
25	Disease burden-research match? Registered trials in child health from low- and middle-income and high-income countries. <i>Journal of Paediatrics and Child Health</i> , <b>2017</b> , 53, 667-674	1.3	7
24	Challenges and opportunities to enhance global drug development in neonates. <i>Current Opinion in Pediatrics</i> , <b>2017</b> , 29, 149-152	3.2	7
23	Physiologically Based Pharmacokinetic Prediction of Linezolid and Emtricitabine in Neonates and Infants. <i>Clinical Pharmacokinetics</i> , <b>2017</b> , 56, 383-394	6.2	14
22	Pharmacokinetics of the anticonvulsant levetiracetam in neonatal foals. <i>Equine Veterinary Journal</i> , <b>2018</b> , 50, 532-536	2.4	3
21	Pharmacometric Modeling and Simulation Is Essential to Pediatric Clinical Pharmacology. <i>Journal of Clinical Pharmacology</i> , <b>2018</b> , 58 Suppl 10, S73-S85	2.9	11
20	Dose rationale and pharmacokinetics of dexmedetomidine in mechanically ventilated new-borns: impact of design optimisation. <i>European Journal of Clinical Pharmacology</i> , <b>2019</b> , 75, 1393-1404	2.8	7
19	Developmental Pharmacodynamics and Modeling in Pediatric Drug Development. <i>Journal of Clinical Pharmacology</i> , <b>2019</b> , 59 Suppl 1, S87-S94	2.9	7
18	Impact of Regulatory Incentive Programs on the Future of Pediatric Drug Development. <i>Therapeutic Innovation and Regulatory Science</i> , <b>2019</b> , 53, 609-614	1.2	7
17	Renal Clearance in Newborns and Infants: Predictive Performance of Population-Based Modeling for Drug Development. <i>Clinical Pharmacology and Therapeutics</i> , <b>2019</b> , 105, 1462-1470	6.1	21
16	Population Pharmacokinetic Analysis and Dose Regimen Optimization in Japanese Infants with an Extremely Low Birth Weight. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2021</b> , 65,	5.9	0
15	USE OF OFF-LABEL MEDICATIONS IN A NEONATAL INTENSIVE CARE UNIT. <i>Revista Paulista De Pediatria</i> , <b>2021</b> , 39, e2020063	1.2	1
14	Premature birth: topics in physiology and pharmacological characteristics. <i>Revista Da Associação Médica Brasileira</i> , <b>2021</b> , 67, 150-155	1.4	0
13	Neonatology. <b>2021</b> , 263-269		

12	Physiologically Based Pharmacokinetic Modeling Framework to Predict Neonatal Pharmacokinetics of Transplacentally Acquired Emtricitabine, Dolutegravir, and Raltegravir. <i>Clinical Pharmacokinetics</i> , <b>2021</b> , 60, 795-809	6.2	3
11	Opioid Treatment for Neonatal Opioid Withdrawal Syndrome: Current Challenges and Future Approaches. <i>Journal of Clinical Pharmacology</i> , <b>2021</b> , 61, 857-870	2.9	6
10	Clinical pharmacology and dosing regimen optimization of neonatal opioid withdrawal syndrome treatments. <i>Clinical and Translational Science</i> , <b>2021</b> , 14, 1231-1249	4.9	0
9	Model-Informed Pediatric Drug Development: Application of Pharmacometrics to Define the Right Dose for Children. <i>Journal of Clinical Pharmacology</i> , <b>2021</b> , 61 Suppl 1, S52-S59	2.9	0
8	Pediatric formulation development - Challenges of today and strategies for tomorrow: Summary report from M-CERSI workshop 2019. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2021</b> , 164, 54-65	5.7	3
7	Drug versus placebo randomized controlled trials in neonates: A review of ClinicalTrials.gov registry. <i>PLoS ONE</i> , <b>2017</b> , 12, e0171760	3.7	3
6	Neonatal pharmacology and clinical implications. <i>Drugs in Context</i> , <b>2019</b> , 8, 212608	5.2	8
5	Administraci3n y preparaci3n de antimicrobianos en una unidad chilena de cuidados neonatales. <i>Enfermer3a Universitaria</i> , <b>2020</b> , 17,	0.4	
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