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Preclinical Pharmacokinetic/Pharmacodynamic Studies and Clinical Trials in the Drug Development Process of EMA-Approved Antibacterial Agents: A Review

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Clinical Pharmacokinetics, 2020, 59, 1071-1084.

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16	The Minimum Inhibitory Concentration of Antibiotics: Methods, Interpretation, Clinical Relevance. <i>Pathogens</i> , 2021 , 10,	4.5	44
15	Pivotal Role of Translation in Anti-Infective Development. <i>Clinical Pharmacology and Therapeutics</i> , 2021 , 109, 856-866	6.1	5
14	The Role of PK/PD Analysis in the Development and Evaluation of Antimicrobials. <i>Pharmaceutics</i> , 2021 , 13,	6.4	12
13	Antibiotic pharmacokinetics/pharmacodynamics: where are we heading?. <i>International Journal of Antimicrobial Agents</i> , 2021 , 58, 106369	14.3	1
12	A decade of machine learning-based predictive models for human pharmacokinetics: Advances and challenges. <i>Drug Discovery Today</i> , 2021 ,	8.8	1
11	Penetration of Antibacterial Agents into Pulmonary Epithelial Lining Fluid: An Update. <i>Clinical Pharmacokinetics</i> , 2021 , 1	6.2	5
10	Limitations of Antibiotic MIC-Based PK-PD Metrics: Looking Back to Move Forward. <i>Frontiers in Pharmacology</i> , 2021 , 12, 770518	5.6	8
9	Susceptibility in Spain: Antimicrobial Activity and Resistance Suppression Evaluation by PK/PD Analysis. <i>Pharmaceutics</i> , 2021 , 13,	6.4	2
8	Biomarkers Predicting Tissue Pharmacokinetics of Antimicrobials in Sepsis: A Review.. <i>Clinical Pharmacokinetics</i> , 2022 , 1	6.2	2
7	Tackling the emerging threat of antifungal resistance to human health.. <i>Nature Reviews Microbiology</i> , 2022 ,	22.2	18
6	Optimizing Antimicrobial Therapy by Integrating Multi-Omics With Pharmacokinetic/Pharmacodynamic Models and Precision Dosing. <i>Frontiers in Pharmacology</i> , 13,	5.6	
5	Research priorities towards precision antibiotic therapy to improve patient care. <i>Lancet Microbe, The</i> , 2022 ,	22.2	3
4	Preclinical Pharmacokinetic and Pharmacodynamic Investigation of 5EMethoxynobiletin from <i>Ageratum conyzoides</i> : In vivo and In silico Approaches. <i>Pharmaceutical Research</i> ,	4.5	
3	The importance of pharmacokinetics and pharmacodynamics in antimicrobial drug development and their influence on the success of agents developed to combat resistant gram negative pathogens: A review. 13,		0
2	In-vivo processing of nanoassemblies: a neglected framework for recycling to bypass nanotoxicological therapeutics.		0
1	ADME, Pharmacokinetic Scaling, Pharmacodynamic and Prediction of Human Dose and Regimen of Novel Antiviral Drugs. 2023 , 15, 1212		0