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Caffeine citrate treatment for extremely premature infants with apnea: population pharmacokinetics, absolute bioavailability, and implications for therapeutic drug monitoring

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#	Paper	IF	Citations
97	Caffeine (1, 3, 7-trimethylxanthine) in foods: a comprehensive review on consumption, functionality, safety, and regulatory matters. <i>Journal of Food Science</i> , 2010 , 75, R77-87	3.4	462
96	A comparative analysis of the Libyan national essential medicines list and the WHO model list of essential medicines. <i>Libyan Journal of Medicine</i> , 2010 , 5,	1.4	3
95	Population pharmacokinetics of vancomycin in premature Malaysian neonates: identification of predictors for dosing determination. <i>Antimicrobial Agents and Chemotherapy</i> , 2010 , 54, 2626-32	5.9	44
94	Caffeine modulates CREB-dependent gene expression in developing cortical neurons. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 397, 152-6	3.4	38
93	Methylxanthine treatment for apnoea in preterm infants. <i>The Cochrane Library</i> , 2010 , CD000140	5.2	76
92	Caffeine impact on neonatal morbidities. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2010 , 23 Suppl 3, 20-3	2	60
91	Profound changes in drug metabolism enzymes and possible effects on drug therapy in neonates and children. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2011 , 7, 935-48	5.5	56
90	Correlation between serum caffeine levels and changes in cytokine profile in a cohort of preterm infants. <i>Journal of Pediatrics</i> , 2011 , 158, 57-64, 64.e1	3.6	58
89	Basics and dynamics of neonatal and pediatric pharmacology. <i>Handbook of Experimental Pharmacology</i> , 2011 , 205, 3-49	3.2	21
88	Caffeine and Neonatal Apnea. <i>Journal of Caffeine Research</i> , 2012 , 2, 55-61		1
87	Population pharmacokinetic analysis during the first 2 years of life: an overview. <i>Clinical Pharmacokinetics</i> , 2012 , 51, 787-98	6.2	31
86	Therapeutic drug monitoring--the appropriate use of drug level measurement in the care of the neonate. <i>Clinics in Perinatology</i> , 2012 , 39, 25-31	2.8	12
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83	Central nervous system stimulants and drugs that suppress appetite. <i>Side Effects of Drugs Annual</i> , 2012 , 34, 1-16	0.2	
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81	Evidence-based methylxanthine use in the NICU. <i>Clinics in Perinatology</i> , 2012 , 39, 137-48	2.8	26

80	Therapeutic effect of caffeine treatment immediately following neonatal hypoxic-ischemic injury on spatial memory in male rats. <i>Brain Sciences</i> , 2013 , 3, 177-90	3.4	20
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78	Pharmacology Review: Caffeine Use in Neonates: Indications, Pharmacokinetics, Clinical Effects, Outcomes. <i>NeoReviews</i> , 2013 , 14, e540-e550	1.1	40
77	Methylxanthines do not affect rhythmogenic preBEC inspiratory network activity but impair bursting of preBEC-driven motoneurons. <i>Neuroscience</i> , 2013 , 255, 158-76	3.9	10
76	Developmental neurotoxicity of alcohol and anesthetic drugs is augmented by co-exposure to caffeine. <i>Brain Sciences</i> , 2013 , 3, 1128-52	3.4	12
75	Dried blood spots and sparse sampling: a practical approach to estimating pharmacokinetic parameters of caffeine in preterm infants. <i>British Journal of Clinical Pharmacology</i> , 2013 , 75, 805-13	3.8	29
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73	Apnea of prematurity: caffeine dose optimization. <i>Journal of Pediatric Pharmacology and Therapeutics</i> , 2013 , 18, 45-52	1.6	17
72	Pharmacometrics: an underused resource in Australian clinical research. <i>Medical Journal of Australia</i> , 2014 , 200, 82-3	4	2
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68	Use of methylxanthine therapies for the treatment and prevention of apnea of prematurity. <i>Paediatric Drugs</i> , 2014 , 16, 169-77	4.2	33
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56	Apnea of Prematurity. <i>Pediatrics</i> , 2016 , 137,	7.4	157
55	Simultaneous determination of pentoxifylline, metabolites M1 (lisofylline), M4 and M5, and caffeine in plasma and dried blood spots for pharmacokinetic studies in preterm infants and neonates. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 146, 302-313	3.5	9
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49	Caffeine Augments Anesthesia Neurotoxicity in the Fetal Macaque Brain. <i>Scientific Reports</i> , 2018 , 8, 5302	4.9	8
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47	Intermittent hypoxia alters dose dependent caffeine effects on renal prostanoids and receptors in neonatal rats. <i>Prostaglandins and Other Lipid Mediators</i> , 2018 , 134, 57-65	3.7	1
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45	Caffeine is a risk factor for osteopenia of prematurity in preterm infants: a cohort study. <i>BMC Pediatrics</i> , 2018 , 18, 9	2.6	13

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4	An effective and stability-indicating method development and optimization utilizing the BoxBehnken design for the simultaneous determination of acetaminophen, caffeine, and aspirin in tablet formulation. 2023 , 37,	○
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2	Caffeine versus other methylxanthines for the prevention and treatment of apnea in preterm infants. 2023 , 2023,	○
1	Caffeine dosing regimens in preterm infants with or at risk for apnea of prematurity. 2023 , 2023,	○