



Supplementary material

Therapeutic Hypothermia, Propofol, and High Lactate Levels: A Suspicious Combination

Table of the supplementary material

Case Reports of Propofol Infusion Syndrome After Low Doses or Short Duration of Sedation

Case reports	Patients (sex, age [y], diagnosis)	Propofol dosage (mg/kg/h)	Infusion duration	Relevant clinical features and/or biochemical data	Onset after propofol infusion	Outcome
Marinella et al. ¹	F, 30 y, asthma exacerbation	NA	12 h	Metabolic acidosis	2 h	survived
Mehta et al. ²	M, 18 mo, arthrogryposis multiplex congenital	6	5 h	Metabolic acidosis, arrhythmias, oligoanuria	After surgery	survived
Kill et al. ³	M, 7 y, osteogenesis imperfecta	13.5	150 min	Metabolic acidosis (highest lactate concentration 9.2 mmol/L ⁻¹)	2.5 h	survived
Koch et al. ⁴	F, 5 y, arteriovenous malformation	6-15	18 h	Metabolic acidosis	4 h	survived

Withington et al. ⁵	M, 5 mo, cleft lip and palate	13-15 (11.7 mean rate)	< 48 h	Metabolic acidosis, heart, renal and hepatic failure	On the second postoperative day	survived
Burow et al. ⁶	F, 31 y, atrial fibrillation	4.98 mean rate	6 h 35 min	Metabolic acidosis	3 h	survived
Salengros et al. ⁷	M, 64 y, prostatectomy	7.8 mean rate	4 h 30 min	Metabolic acidosis, arrhythmias, lactate 6.9 mmol/L	4 h	survived
Haase et al. ⁸	M, 7 y, craniosynostosis	6.1 mg/kg total dose	40 min	Metabolic acidosis	Few h	survived
Liolios et al. ⁹	M, 42 y, brainstem cavernous angioma	9 2.3	3 h 20 h	Lactic acidosis, renal impairment, rhabdomyolysis	3 h	survived
Machata et al. ¹⁰	M, 40 y, stabilization of rachis	3	72 h	Metabolic acidosis, fever, rhabdomyolysis, renal failure	72 h	died (septic complication)
Chukwuemeka et al. ^{11,a}	M, 45 y, coronary artery bypass	2.6	9 h 29 min	Metabolic acidosis, arrhythmia, heart failure	149 min	survived
Merz et al. ¹²	M, 24 y, spinal injury	2.6 (mean 1.9)	82 h	Renal failure, hyperkalemia, rhabdomyolysis	14 h elevated cTn1 and CK after 52 h	died
Bordes et al. ¹³	M, 66 y, brain tumor	6.89 mean rate	5 h	Lactic acidosis (highest lactate levels 5.2 mmol/L)	1 h	survived

Laquay et al. ¹⁴	F, 12 y and F, 16 y, congenital mitral regurgitation	1.8 and 2.4 (< 3)	15 and 8 h	Lactic acidosis	1-2 h	survived
Anneck et al. ^{15,a}	F, 36 y, severe head injury	2.8	7 d	Rhabdomyolysis, metabolic acidosis, hyperkalemia	7 d	died
Dengler et al. ^{16a}	M, 19 y, severe head injury	1.8	10 d	Lactic acidosis, rhabdomyolysis	10 d	died
Bañeras et al. ^b	M, 59 y, ventricular fibrillation	0.4-1.2	12 h	Lactic acidosis, elevated CK and mild transaminases	6 h	survived

CK, creatinine kinase; cTn1, cardiac troponin; F, female; M, male; NA, data not available.

^aUnder mild hypothermia (33-35°C).

^bCurrent article.

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