

eTable 1: Association of ketamine use with the outcomes after propensity score matching by age group

Outcomes	Age≤60				Age>60			
	Descriptive		Model (Ketamine use Vs. no-Ketamine use)		Descriptive		Model (Ketamine use Vs. no-Ketamine use)	
	No-Ketamine use (N=109)	Ketamine use (N=42)	OR <sup>a</sup> (95%CI)	p-value	No-Ketamine use (N=194)	Ketamine use (N=62)	OR <sup>a</sup> (95%CI)	p-value
<b>Delirium</b>			0.36 (0.13, 0.95)	<b>0.039</b>			0.62 (0.32, 1.21)	0.162
Absent	48 (44.04)	22 (52.38)			76 (39.18)	33 (53.23)		
Present	61 (55.96)	20 (47.62)			118 (60.82)	29 (46.77)		
<b>Mortality</b>			2.26 (0.60, 8.57)	0.230			0.93 (0.33, 2.64)	0.895
170 (87.63)	102 (93.58)	37 (88.10)			170 (87.63)	54 (87.10)		
Yes	7 (6.42)	5 (11.90)			24 (12.37)	8 (12.90)		
			<b>Coefficient<sup>b</sup> (95%CI)</b>	<b>p-value</b>			<b>Coefficient<sup>b</sup> (95%CI)</b>	<b>p-value</b>
<b>Mean pain scores</b>	N=109	N=36			N=193	N=46		
	2.67±2.18	3.28±2.56	0.61 (-0.42, 1.65)	0.243	1.96±2.00	3.80±3.09	1.84 (0.87, 2.81)	<b>&lt;0.001</b>
<b>Mean opioid Use (MME)</b>	N=97	N=20			N=153	N=37		
	11.46±5.49	12.44±7.20	0.98 (-2.51, 4.48)	0.576	11.50±7.22	10.66±7.33	-0.84 (-3.38, 1.71)	0.515
<b>Postoperative length of stay (days)</b>			2.95 (-2.40, 8.30)	0.275			2.19 (-0.96, 5.34)	0.170
	8.76±11.76	11.71±17.99			6.57±9.54	8.76±11.89		

OR = odds ratio. Data were presented as mean ± SD for continuous variables and number (%) for categorical variables below descriptive.

<sup>a</sup> Conditional logistic regression and <sup>b</sup> linear regression with clustering were used after propensity score matching.

Morphine Milligram Equivalent, MME. Critical-Care Pain Observation Tool, CPOT.