## Supplemental Digital Content 4 Forest plots for subgroup analysis of the incidence of emergence delirium based on screening scales.

	Inhalational anes	thesia	Intravenous anes	thesia		Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% CI	M-H, Random, 95% CI
1.4.1 Emergence delirium assessed by the AFPS							
Kim 2012	9	20	2	20	8.5%	4.50 [1.11, 18.27]	
Liu 2014	8	20	2	20	8.2%	4.00 [0.97, 16.55]	•
Necib 2014	2	35	1	31	3.0%	1.77 [0.17, 18.60]	
Subtotal (95% CI)		75		71	19.7%	3.72 [1.48, 9.31]	
Total events	19		5				
Heterogeneity: Tau² = 0.00; Chi² = 0.46, df = 2 (P = 0.79); I² = 0%							
Test for overall effect: 2	Z = 2.80 (P = 0.005)	1					
1.4.2 Emergence deli	rium assessed by	the RSAS	3				
Jo 2019	10	40	1	40	4.1%	10.00 [1.34, 74.51]	· · · · · · · · · · · · · · · · · · ·
Na 2018	11	42	4	41	14.8%	2.68 [0.93, 7.75]	<del></del>
Zhang 2015	10	40	3	40	11.3%	3.33 [0.99, 11.22]	-
Subtotal (95% CI)		122		121	30.2%	3.48 [1.66, 7.32]	
Total events	31		8				
Heterogeneity: Tau² = 0.00; Chi² = 1.36, df = 2 (P = 0.51); l² = 0%							
Test for overall effect:	Z = 3.30 (P = 0.0010	0)					
1.4.3 Emergence delirium assessed by the RASS							
Jo 2019	8	40	1	40	4.0%	8.00 [1.05, 61.04]	*
Talih 2020	21	45	11	45	46.0%	1.91 [1.05, 3.48]	
Subtotal (95% CI)		85		85	50.1%	2.86 [0.76, 10.73]	
Total events	29		12				
Heterogeneity: Tau² = 0.54; Chi² = 1.92, df = 1 (P = 0.17); l² = 48%							
Test for overall effect: 2	Z = 1.56 (P = 0.12)						
Total (95% CI)		282		277	100.0%	2.77 [1.84, 4.16]	•
Total events	79		25				
Heterogeneity: Tau <sup>2</sup> = 0.00; Chi <sup>2</sup> = 5.40, df = 7 (P = 0.61); I <sup>2</sup> = 0%							1 1 1
Test for overall effect: Z = 4.89 (P < 0.00001)						0.02 0.1 1 10 50  Favours inhalational anesthesia Favours intravenous anesthesia	
Test for subaroup differences: Chi² = 0.10. df = 2 (P = 0.95). I² = 0%							ravours initialational anesthesia ravours intravenous anesthesia