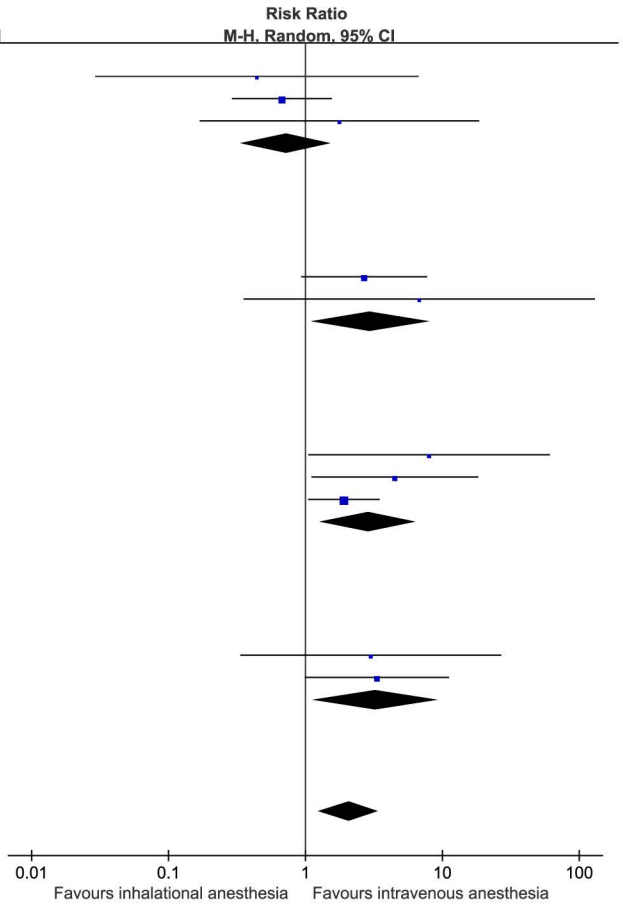
Supplemental Digital Content 3

Forest plots for subgroup analysis of the incidence of emergence delirium based on types of surgery.

Study or Subgroup	Inhalational anesthesia Events	Total	Intravenous anesthesia Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
1.3.1 Intracranial surgery						
Bastola 2015	1	43	1	19	3.2%	0.44 [0.03, 6.70]
Citerio 2012	12	273	9	138	18.8%	0.67 [0.29, 1.56]
Necib 2014	2	35	1	31	4.1%	1.77 [0.17, 18.60]
Subtotal (95% CI)		**351**		**188**	**26.1%**	**0.72 [0.34, 1.54]**
Total events	15		11			
Heterogeneity: Tau² = 0.00; Chi² = 0.71, df = 2 (P = 0.70); I² = 0%						
Test for overall effect: Z = 0.84 (P = 0.40)						
1.3.2 Ocular surgery						
Na 2018	11	42	4	41	14.3%	2.68 [0.93, 7.75]
Tawfik 2015	3	128	0	124	2.7%	6.78 [0.35, 129.98]
Subtotal (95% CI)		**170**		**165**	**17.1%**	**2.98 [1.10, 8.10]**
Total events	14		4			
Heterogeneity: Tau² = 0.00; Chi² = 0.35, df = 1 (P = 0.56); I² = 0%						
Test for overall effect: Z = 2.15 (P = 0.03)						
1.3.3 Nasal surgery						
Jo 2019	8	40	1	40	5.3%	8.00 [1.05, 61.04]
Kim 2012	9	20	2	20	9.7%	4.50 [1.11, 18.27]
Talih 2020	21	45	11	45	25.2%	1.91 [1.05, 3.48]
Subtotal (95% CI)		**105**		**105**	**40.3%**	**2.87 [1.27, 6.50]**
Total events	38		14			
Heterogeneity: Tau² = 0.19; Chi² = 2.90, df = 2 (P = 0.23); I² = 31%						
Test for overall effect: Z = 2.54 (P = 0.01)						
1.3.4 Abdominal surgery						
Nishikawa 2004	3	25	1	25	4.6%	3.00 [0.33, 26.92]
Zhang 2015	10	40	3	40	12.0%	3.33 [0.99, 11.22]
Subtotal (95% CI)		**65**		**65**	**16.6%**	**3.25 [1.12, 9.40]**
Total events	13		4			
Heterogeneity: Tau² = 0.00; Chi² = 0.01, df = 1 (P = 0.93); I² = 0%						
Test for overall effect: Z = 2.18 (P = 0.03)						
Total (95% CI)		**691**		**523**	**100.0%**	**2.08 [1.26, 3.44]**
Total events	80		33			
Heterogeneity: Tau² = 0.17; Chi² = 12.58, df = 9 (P = 0.18); I² = 28%						
Test for overall effect: Z = 2.85 (P = 0.004)						
Test for subgroup differences: Chi² = 9.00, df = 3 (P = 0.03), I² = 66.7%