## VOLATILE ANESTHETICS VERSUS PROPOFOL FOR CARDIAC SURGERY WITH CARDIOPULMONARY BYPASS: META-ANALYSIS OF RANDOMIZED TRIALS.

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## **SUPPLEMENTAL DIGITAL CONTENT FILE 7**

Figure 7: Forest plot for the effects of volatile anesthetics as a class versus propofol on the incidence of atrial fibrillation in adults undergoing cardiac surgery with cardiopulmonary bypass. Subgroup analysis: isolated coronary artery bypass graft (CABG) versus isolated valve/concomitant surgery. M-H: Mantel-Haenszel

	Volatile anest	hetics	Propo	fol		Odds Ratio		Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% CI	Year	M-H, Random, 95% CI
ISOLATED CABG								
De Hert et al. (ii)	1	30	0	15	0.6%	1.58 [0.06, 41.03]	2003	<del></del>
De Hert et al. (iii)	16	160	9	80	7.5%	0.88 [0.37, 2.08]	2004	<del></del>
De Hert et al. (iv)	2	50	6	50	2.3%	0.31 [0.06, 1.59]	2004	<del></del>
Tritapepe et al.	24	75	28	75	11.4%	0.79 [0.40, 1.55]	2007	<del></del>
De Hert et al. (v)	48	269	26	145	16.3%	0.99 [0.59, 1.68]	2009	<del>-</del>
Flier et al.	7	41	12	43	5.4%	0.53 [0.19, 1.52]	2010	<del></del>
Royse et al.	30	90	37	89	13.3%	0.70 [0.38, 1.29]	2011	
Soro et al.	4	36	6	37	3.3%	0.65 [0.17, 2.51]	2012	<del></del>
Jerath et al.	7	67	3	74	3.2%	2.76 [0.68, 11.15]	2015	+
Hofland et al.	43	165	37	166	17.3%	1.23 [0.74, 2.03]	2017	<del></del>
Subtotal (95% CI)		983		774	80.6%	0.91 [0.71, 1.17]		•
Total events	182		164					
Heterogeneity: Tau² =	= 0.00; Chi2 = 7.8	0, df = 9	(P = 0.55)	$; I^2 = 0$	%			
Test for overall effect:	Z = 0.75 (P = 0.4)	45)						
ISOLATED VALVE / C	ONCOMITANTS	HDCEDV						
	ONCOMITAIN S	OKOEKI						ı
Cromhecke et al.	1	15	6	15	1.2%	0.11 [0.01, 1.04]	2006 -	
Cromhecke et al. Bignami et al.			6 8	15 50	1.2% 6.2%	0.11 [0.01, 1.04] 2.25 [0.85, 5.92]	2006 - 2012	
Bignami et al.	1	15					2012	
Bignami et al. Landoni et al. (i)	1 15	15 50	8	50	6.2%	2.25 [0.85, 5.92]	2012 2014	
Bignami et al. Landoni et al.(i) Moscarelli et al.	1 15 15	15 50 100	8 16	50 100	6.2% 9.2%	2.25 [0.85, 5.92] 0.93 [0.43, 1.99]	2012 2014	
Bignami et al. Landoni et al. (i) Moscarelli et al. Subtotal (95% CI)	1 15 15	15 50 100 31	8 16	50 100 31	6.2% 9.2% 2.7%	2.25 [0.85, 5.92] 0.93 [0.43, 1.99] 1.79 [0.39, 8.27]	2012 2014	•
	1 15 15 5	15 50 100 31 <b>196</b>	8 16 3 33	50 100 31 <b>196</b>	6.2% 9.2% 2.7% <b>19.4</b> %	2.25 [0.85, 5.92] 0.93 [0.43, 1.99] 1.79 [0.39, 8.27]	2012 2014	
Bignami et al. Landoni et al. (i) Moscarelli et al. <b>Subtotal (95% CI)</b> Total events Heterogeneity: Tau² =	1 15 15 5 5 36 = 0.45; Chi <sup>z</sup> = 6.6	15 50 100 31 <b>196</b> 9, df = 3	8 16 3 33	50 100 31 <b>196</b>	6.2% 9.2% 2.7% <b>19.4</b> %	2.25 [0.85, 5.92] 0.93 [0.43, 1.99] 1.79 [0.39, 8.27]	2012 2014	
Bignami et al. Landoni et al. (i) Moscarelli et al. <b>Subtotal (95% CI)</b> Total events	1 15 15 5 5 36 = 0.45; Chi <sup>z</sup> = 6.6	15 50 100 31 <b>196</b> 9, df = 3	8 16 3 33	50 100 31 <b>196</b> ; I² = 59	6.2% 9.2% 2.7% <b>19.4</b> %	2.25 [0.85, 5.92] 0.93 [0.43, 1.99] 1.79 [0.39, 8.27]	2012 2014	
Bignami et al. Landoni et al. (i) Moscarelli et al. <b>Subtotal (95% CI)</b> Total events Heterogeneity: Tau² = Test for overall effect	1 15 15 5 5 36 = 0.45; Chi <sup>z</sup> = 6.6	15 50 100 31 <b>196</b> 9, df = 30	8 16 3 33	50 100 31 <b>196</b> ; I² = 59	6.2% 9.2% 2.7% <b>19.4</b> %	2.25 [0.85, 5.92] 0.93 [0.43, 1.99] 1.79 [0.39, 8.27] <b>1.08 [0.43, 2.69]</b>	2012 2014	
Bignami et al. Landoni et al. (i) Moscarelli et al. Subtotal (95% CI) Total events Heterogeneity: Tau² = Test for overall effect: Total (95% CI) Total events	1 15 15 5 36 = 0.45; Chi <sup>2</sup> = 6.6 : Z = 0.16 (P = 0.8	15 50 100 31 <b>196</b> 9, df = 3 37)	8 16 3 33 (P = 0.08)	50 100 31 <b>196</b> ;   <sup>2</sup> = 59	6.2% 9.2% 2.7% <b>19.4</b> % 5%	2.25 [0.85, 5.92] 0.93 [0.43, 1.99] 1.79 [0.39, 8.27] <b>1.08 [0.43, 2.69]</b>	2012 2014 2018	
Bignami et al. Landoni et al. (i) Moscarelli et al. <b>Subtotal (95% CI)</b> Total events Heterogeneity: Tau² = Test for overall effect: <b>Total (95% CI)</b>	1 15 15 5 36 = 0.45; Chi <sup>2</sup> = 6.6 : Z = 0.16 (P = 0.8 218 = 0.03; Chi <sup>2</sup> = 15.	15 50 100 31 <b>196</b> 9, df = 3 37) <b>1179</b>	8 16 3 33 (P = 0.08)	50 100 31 <b>196</b> ;   <sup>2</sup> = 59	6.2% 9.2% 2.7% <b>19.4</b> % 5%	2.25 [0.85, 5.92] 0.93 [0.43, 1.99] 1.79 [0.39, 8.27] <b>1.08 [0.43, 2.69]</b>	2012 2014 2018	01 0.1 10 10 Favours Volatiles Favours Propofol