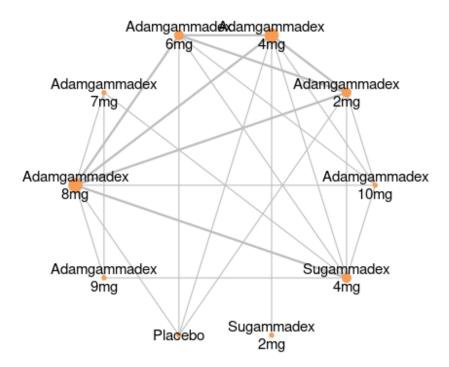


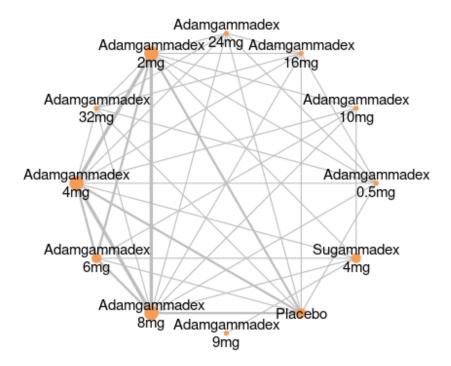
Supplementary Figure 1. Prisma.

### Network plot of all studies

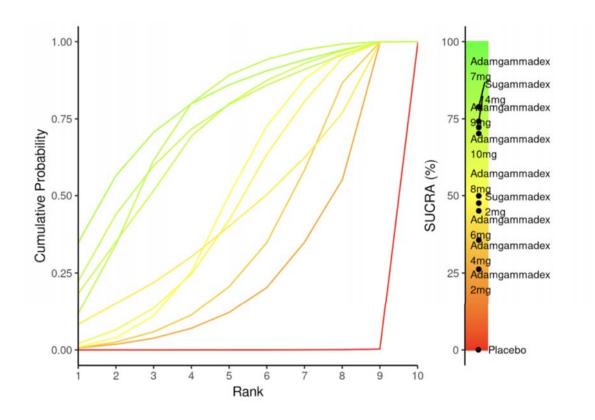


**Supplementary Figure 2.** Network plot of all studies reporting ToF 0.9.

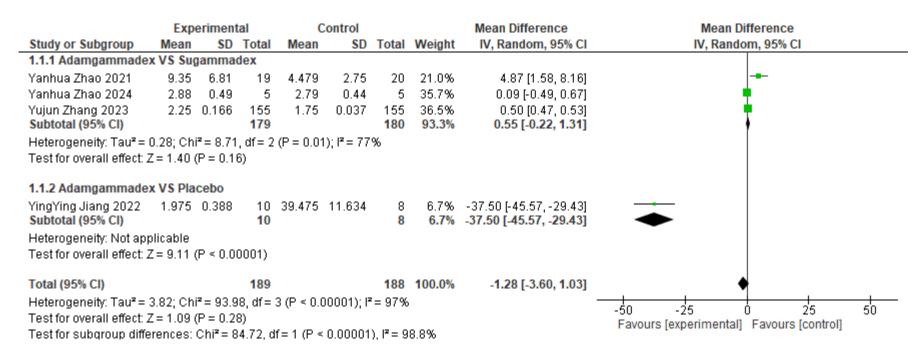
#### Network plot of all studies



Supplementary Figure 3. Network plot of all studies reporting Adverse events.



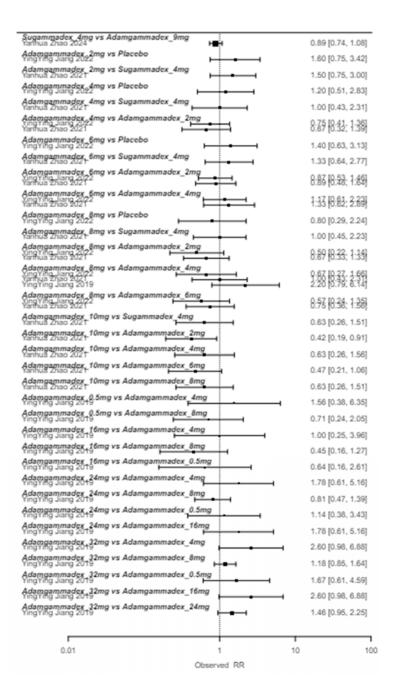
**Supplementary Figure 4.** Cumulative ranking of ToF 0.9.



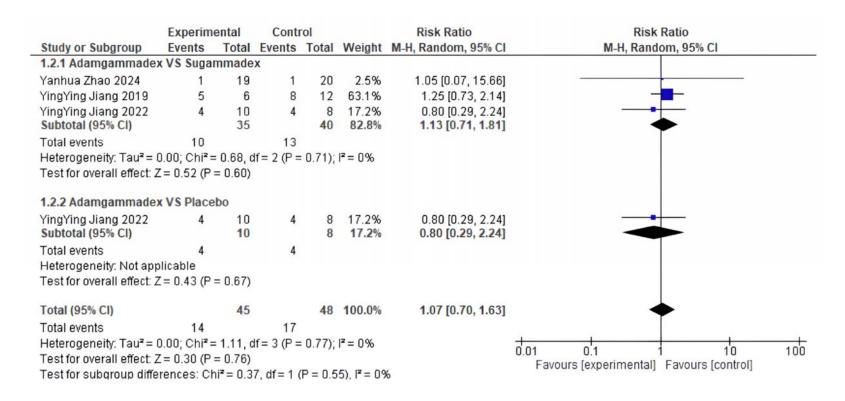
Supplementary Figure 5. Direct pairwise meta-analysis of ToF 0.9.

	Experimental			Control				Mean Difference	Mean Difference		
Study or Subgroup	Mean SD Tota		Total	Mean SD To			Weight	IV, Random, 95% CI	IV, Random, 95% CI		
1.1.1 Adamgammade	x VS Sug	gammad	ex								
Yanhua Zhao 2024	3.729	2.1225	19	11.725	10.3775	20	32.9%	-8.00 [-12.64, -3.35]			
Yujun Zhang 2023 Subtotal (95% CI)	1.5	0.374	155 174	1.25	0.374	155 175		0.25 [0.17, 0.33] -3.53 [-11.59, 4.52]			
Heterogeneity: Tau <sup>2</sup> =	31.19; CI	hi² = 12.0	9, df=	1 (P = 0.0	0005);  2=	92%					
Test for overall effect :											
1.1.2 Adamgammade	x VS Pla	cebo									
YingYing Jiang 2022 Subtotal (95% CI)	1.475	0.22	10 10	25.325	7.34	10 10	33.0% 33.0%	-23.85 [-28.40, -19.30] -23.85 [-28.40, -19.30]	<b>*</b>		
Heterogeneity. Not app	plicable										
Test for overall effect.	Z = 10.27	(P < 0.0	0001)								
Total (95% CI)			184			185	100.0%	-10.41 [-24.98, 4.15]			
Heterogeneity: Tau <sup>2</sup> =	162.11; 0	Chi2 = 11	9.74, di	= 2 (P <	0.00001);	P= 98	%		10 10 10 10		
Test for overall effect:									-20 -10 0 10 20		
Test for subgroup diffe	erences:	Chi <sup>2</sup> = 18	3.53. df	= 1 (P < I	0.0001). [7	= 94.69	%		Favours [experimental] Favours [control]		

**Supplementary Figure 6.** Forest plot of ToF 0.7.



**Supplementary Figure 7.** Individual study results for adverse events.



**Supplementary Figure 8.** Direct pairwise meta analysis adverse events.

### **Supplementary Table 1.** Summary characteristics of all studies reporting ToF 0.9.

# Characteristics table of all studies

Characteristic	Value
Number of Interventions	10
Number of Studies	4
Total Number of Patients in Network	464
Total Possible Pairwise Comparisons	45
Total Number of Pairwise Comparisons With Direct Data	25
Is the network connected?	TRUE
Number of Two-arm Studies	1
Number of Multi-Arms Studies	3
Average Outcome	3.498

## **Supplementary Table 2.** Ranking Tof 0.9.

Adamgammadev_7mg	0.06 [ -2.39; 2.52]	*	-0.68 [ -3.22; 1.86]	-4.81 [ -8.54; -1.07]			(4):	27	
-0.75 [ -3.09; 1.59]	Sugammadex_4mg	0.44 [ -1.61; 2.49]	-0.75 [ -3.36; 1.87]	-1.10 [ -2.84; 0.64]		-0.88 [ -2.89; 1.13]	-5.32 [-11.64; 1.00]	-10.52 [-21.32; 0.28]	
-0.80 [ -3.75; 2.16]	-0.04 [ -2.04; 1.95]	Adamgammadex_10mg	9	-0.53 [ -2.59; 1.53]		-1.32 [ -3.42; 0.78]	-5.76 [-12.11; 0.59]	-10.96 [-21.77; -0.15]	
-0.68 [ -3.22; 1.86]	0.07 [ -2.43; 2.57]	0.11 [-2.98; 3.20]	Adamgammadex_9mg	-4.12 [ -7.97; -0.28]		×	(4))	10	
1.97 [ -4.61; 0.66]	-1.22 [ -2.86; 0.42]	-1.18 [ -3.07; 0.72]	-1.29 [ -4.07; 1.49]	Adamgammadev_8mg	*	-0.59 [ -1.98; 0.81]	-0.70 [ -2.54; 1.15]	-1.40 [ -3.35; 0.54]	-37.50 [-45.78; -29.22]
-2.09 [ -5.68; 1.50]	-1.34 [ -4.25; 1.57]	-1.29 [ -4.33; 1.74]	-1.41 [ -5.11; 2.29]	-0.12 [ -2.69; 2.45]	Sugammadev_2mg	4	-0.50 [ -2.37; 1.37]	8	Q.
-2.33 [ -5.10; 0.45]	-1.57 [ -3,33; 0.19]	-1.53 [ -3.48; 0.42]	-1.64 [ -4.56; 1.27]	-0.35 [ -1.73; 1.03]	-0.24 [ -2.82; 2.35]	Adamgammadex_6mg	-0.27 [ -2.15; 1.60]	-1.00 [ -2.97; 0.98]	-37.10 [-45.39; -28.81]
-2.59 [ -5.65; 0.47]	-1.84 [ -4.06; 0.38]	-1.79 [ -4.19; 0.60]	-1.91 [-5.10; 1.28]	-0.62 [ -2.37; 1.14]	-0.50 [ -2.37; 1.37]	-0.26 [ -2.04; 1.51]	Adamgammadex_4mg	-0.94 [ -2.91; 1.04]	-37.23 [-45.51; -28.94]
-3.37 [ -6.49; -0.25]	-2.62 [ -4.92; -0.32]	-2.57 [ -5.04; -0.11]	-2.69 [ -5.93; 0.55]	-1.40 [ -3.24; 0.44]	-1.28 [ -4.00; 1.44]	-1.04 [ -2.90; 0.81]	-0.78 [ -2.75; 1.19]	Adamgammadov_2mg	-36.40 [-44.70; -28.10]
39.62 [-48.24; -30.99]	-38.86 [-47.23; -30.50]	-38.82 [-47.23; -30.40]	-38.93 [-47.61; -30.26]	-37.64 [-45.90; -29.39]	-37.53 [-46.02; -29.04]	-37.29 [-45.55; -29.03]	-37.03 [-45.31; -28.75]	-36.25 [-44.54; -27.95]	Placebo

## **Supplementary Table 3.** Ranking Adverse events.

Adamgammadex_16mg		0.64 [0.16; 2.61]	0.56 [0.19; 1.63]	1.00 [0.25; 3.96]	*		0.45 [0.16; 1.27]	9	*	0.38 [0.15; 1.02]	**
0.80 [0.22; 2.90]	Adamgammadex_10mg	3.00	*	0.63 [0.26; 1.56]	*	0.63 [0.26; 1.51]	0.63 [0.26; 1.51]	æ	0.47 [0.21; 1.06]	+2	0.42 [0.19; 0.91]
0.64 [0.16; 2.61]	0.80 [0.21; 2.96]	Adamgammadex_0.5mg	0.88 [0.29; 2.64]	1.56 [0.38; 6.35]		19	0.71 [0.24; 2.05]	3		0.60 [0.22; 1.65]	•
0.56 [0.19; 1.63]	0.70 [0.27; 1.79]	0.88 [0.29; 2.64]	Adamgammadex_24mg	1.78 [0.61; 5.16]			0.81 [0.47; 1.39]	4	(*)	0.68 [0.44; 1.05]	
0.53 [0.17; 1.61]	0.65 [0.30; 1.43]	0.82 [0.26; 2.61]	0.93 [0.46; 1.90]	Adamgammadex_4mg	1,20 [0.51; 2.83]	1.00 [0.43; 2.31]	0.93 [0.55; 1.58]	7	0.81 [0.49; 1.33]	0.38 [0.15; 1.02]	0.72 [0.45; 1.14]
0.54 [0.15; 2.00]	0.67 [0.24; 1.85]	0.84 [0.22; 3.21]	0.96 [0.36; 2.55]	1.03 [0.46; 2.29]	Placebo	2	1.25 [0.45; 3.49]		0.71 [0.32; 1.59]	ž.	0.62 [0.29; 1.34]
0.51 [0.15; 1.75]	0,63 [0,26; 1.51]	0.79 [0.22; 2.81]	0.90 [0.38; 2.17]	0.97 [0.48; 1.95]	0.94 [0.36; 2.43]	Sugammadex_4mg	1.00 [0.45; 2.23]	0.89 [0.74; 1.08]	0.75 [0.36; 1.56]	*	0.67 [0.33; 1.33]
0.49 [0.18; 1.36]	0.61 [0.27; 1.35]	0.76 [0.26; 2.20]	0.87 [0.51; 1.49]	0.93 [0.55; 1.57]	0.90 [0.39; 2.08]	0.96 [0.47; 1.97]	Adamgammadex_8mg	9	0.67 [0.38; 1.17]	0.85 [0.61; 1.17]	0.59 [0.35; 1.00]
0.45 [0.13; 1.58]	0.56 [0.23; 1.37]	0.71 [0.20; 2.55]	0.81 [0.33; 1.98]	0.86 [0.42; 1.79]	0.84 [0.32; 2.21]	0.89 [0.74; 1.08]	0.93 [0.44; 1.94]	Adamgammadex_9mg	39.5	*)	
0.38 [0.12; 1.19]	0.48 [0.23; 1.01]	0.60 [0.19; 1.93]	0.68 [0.33; 1.41]	0.73 [0.45; 1.18]	0.71 [0.33; 1.53]	0.76 [0.39; 1.48]	0.79 [0.47; 1.32]	0.85 [0.42; 1.70]	Adamgammadex_6mg	ld.	0.88 [0.60; 1.30]
0.38 [0.15; 1.02]	0.48 [0.21; 1.10]	0.60 [0.22; 1.65]	0.68 [0.44; 1.05]	0.73 [0.42; 1.28]	0.71 [0.30;	0.76 [0.35; 1.62]	0.79 [0.57; 1.08]	0.85 [0.39; 1.86]	1.00 [0.56; 1.79]	Adamgammadex_32mg	i a
0.34 [0.11; 1.04]	0.42 [0.20; 0.88]	0.53 [0.17; 1.67]	0.60 [0.30; 1.22]	0.64 [0.41; 1.00]	0.63 [0.30;	0.67 [0.35; 1.28]	0.69 [0.42; 1.13]	0.75 [0.38; 1.47]	0.88 [0.60; 1.30]	0.88 [0.50; 1.53]	Adamgammadex_2m