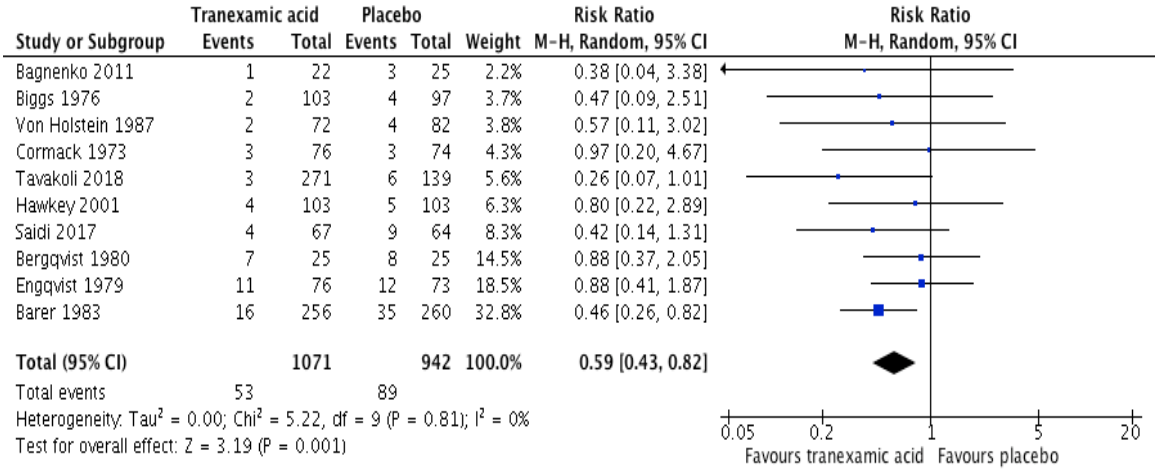
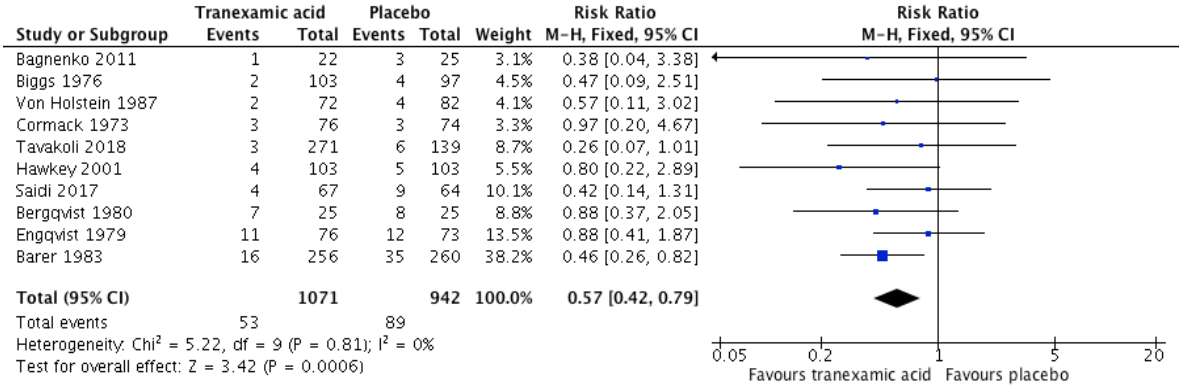


1. All cause mortality random



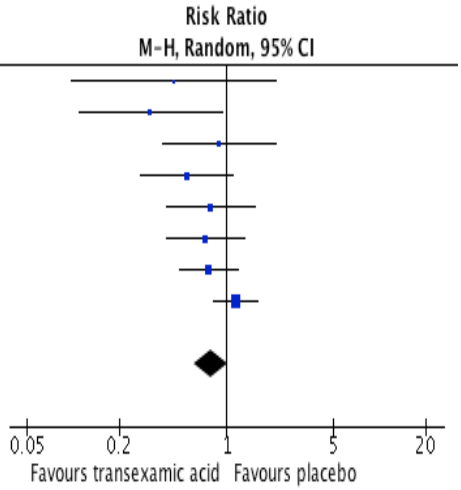
2. All cause mortality fixed

3. Re-bleeding random

Study or Subgroup	Tranexamic acid Events	Total	Placebo Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Bagnenko 2011	2	22	5	25	2.6%	0.45 [0.10, 2.11]
Saidi 2017	4	67	12	64	5.0%	0.32 [0.11, 0.94]
Hawkey 2001	9	103	10	103	7.5%	0.90 [0.38, 2.12]
Von Holstein 1987	10	69	19	72	10.8%	0.55 [0.28, 1.10]
Tavakoli 2018	20	271	13	139	11.4%	0.79 [0.40, 1.54]
Cormack 1973	15	76	20	74	13.9%	0.73 [0.41, 1.31]
Engqvist 1979	23	76	29	73	20.6%	0.76 [0.49, 1.19]
Barer 1983	58	256	51	260	28.2%	1.16 [0.83, 1.61]
Total (95% CI)		**940**		**810**	**100.0%**	**0.79 [0.61, 1.02]**
Total events	141		159			

Heterogeneity: $Tau^2 = 0.03$; $Chi^2 = 9.14$, df = 7 (P = 0.24); $I^2 = 23\%$

Test for overall effect: Z = 1.83 (P = 0.07)

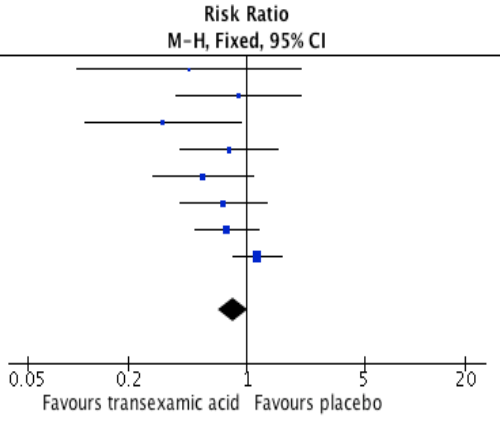


4. Re- bleeding fixed

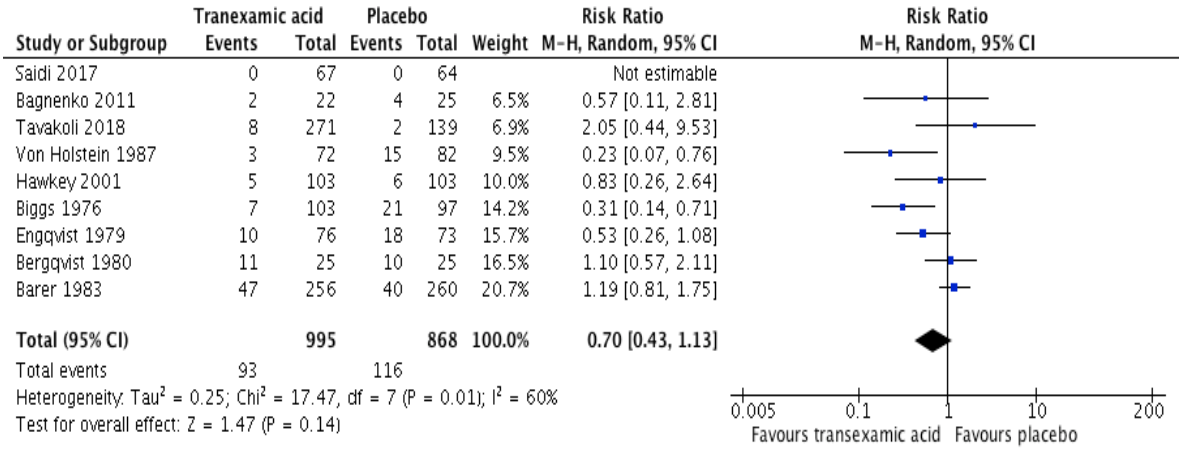
Study or Subgroup	Tranexamic acid Events	Total	Placebo Events	Total	Weight	Risk Ratio M-H, Fixed, 95% CI
Bagnenko 2011	2	22	5	25	2.9%	0.45 [0.10, 2.11]
Saidi 2017	4	67	12	64	7.5%	0.32 [0.11, 0.94]
Hawkey 2001	9	103	10	103	6.1%	0.90 [0.38, 2.12]
Von Holstein 1987	10	69	19	72	11.4%	0.55 [0.28, 1.10]
Tavakoli 2018	20	271	13	139	10.5%	0.79 [0.40, 1.54]
Cormack 1973	15	76	20	74	12.4%	0.73 [0.41, 1.31]
Engqvist 1979	23	76	29	73	18.1%	0.76 [0.49, 1.19]
Barer 1983	58	256	51	260	31.0%	1.16 [0.83, 1.61]
Total (95% CI)		**940**		**810**	**100.0%**	**0.82 [0.67, 1.01]**
Total events	141		159			

Heterogeneity: $Chi^2 = 9.14$, df = 7 (P = 0.24); $I^2 = 23\%$

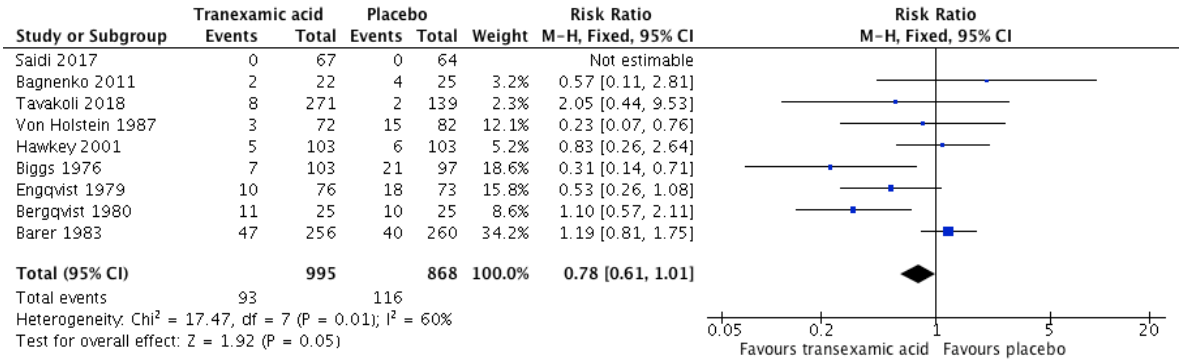
Test for overall effect: Z = 1.86 (P = 0.06)



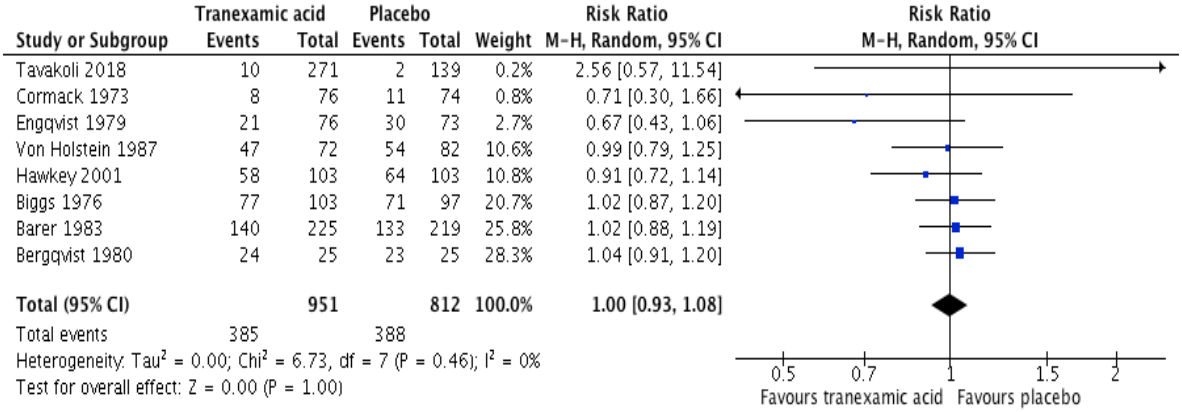
5. Surgical interventions random



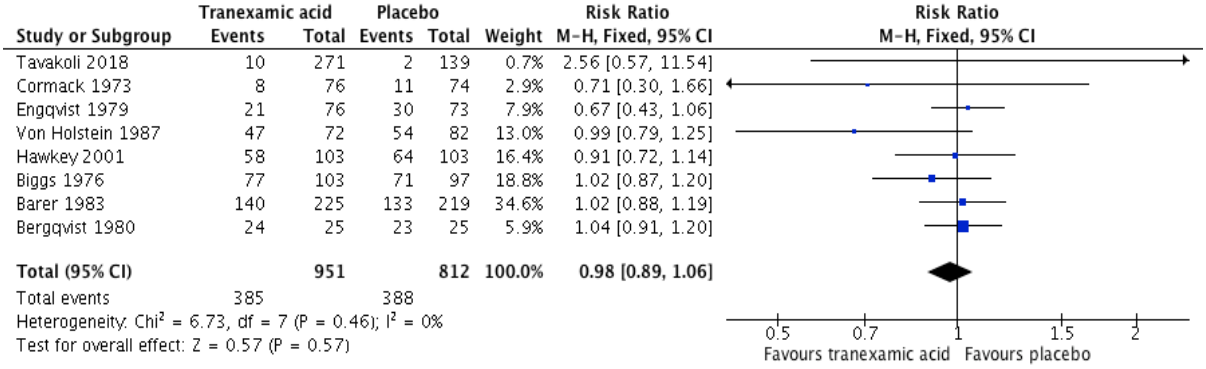
6. Surgical interventions fixed



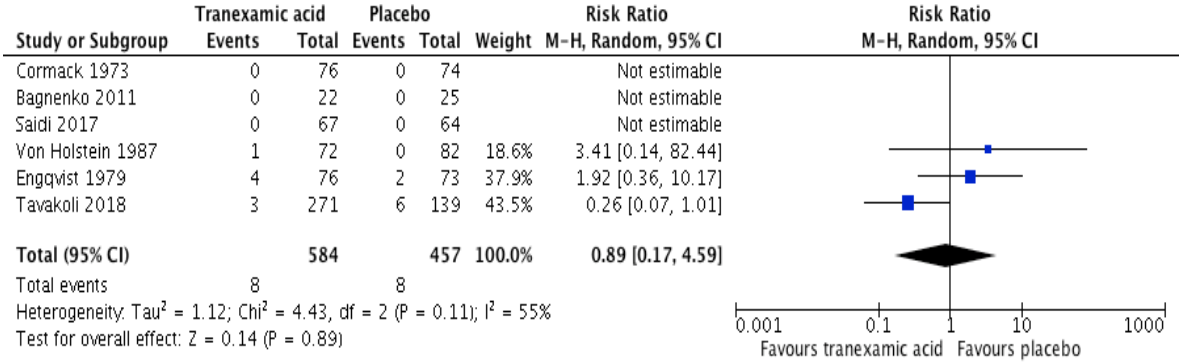
7. Frequency of blood transfusion random



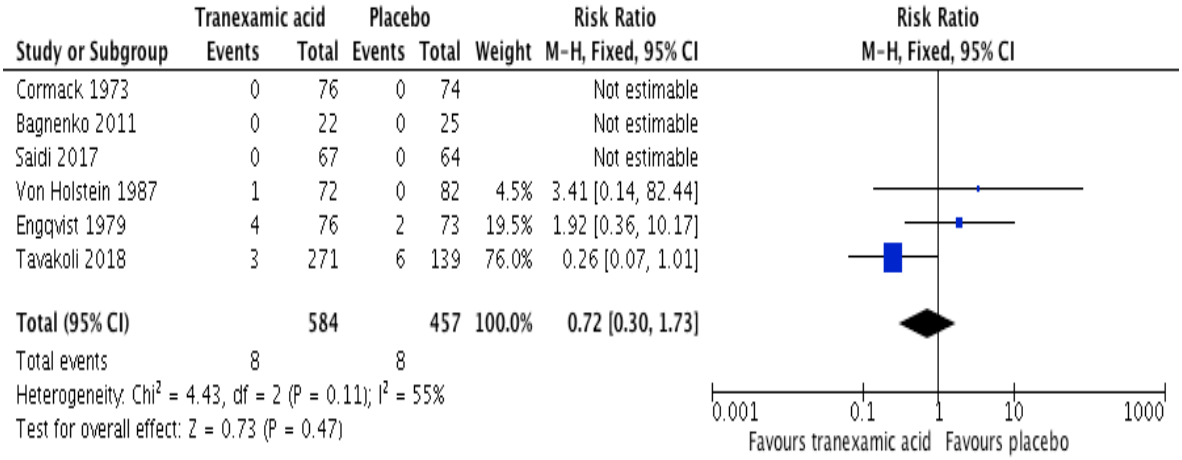
8. Frequency of blood transfusion fixed



9. Thromboembolic events random



10. Thromboembolic event fixed

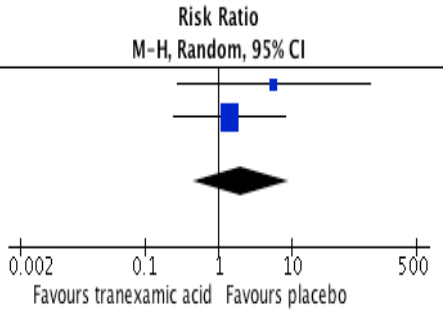


11. Thrombophlebitis random

Study or Subgroup	Tranexamic acid Events	Total	Placebo Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Von Holstein 1987	2	72	0	82	25.5%	5.68 [0.28, 116.50]
Biggs 1976	3	103	2	97	74.5%	1.41 [0.24, 8.27]
Total (95% CI)		**175**		**179**	**100.0%**	**2.02 [0.44, 9.26]**
Total events	5		2			

Heterogeneity: $Tau^2 = 0.00$; $Chi^2 = 0.62$, df = 1 (P = 0.43); $I^2 = 0\%$

Test for overall effect: Z = 0.90 (P = 0.37)

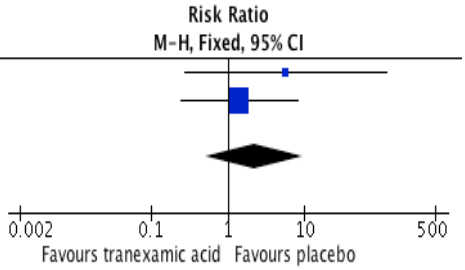


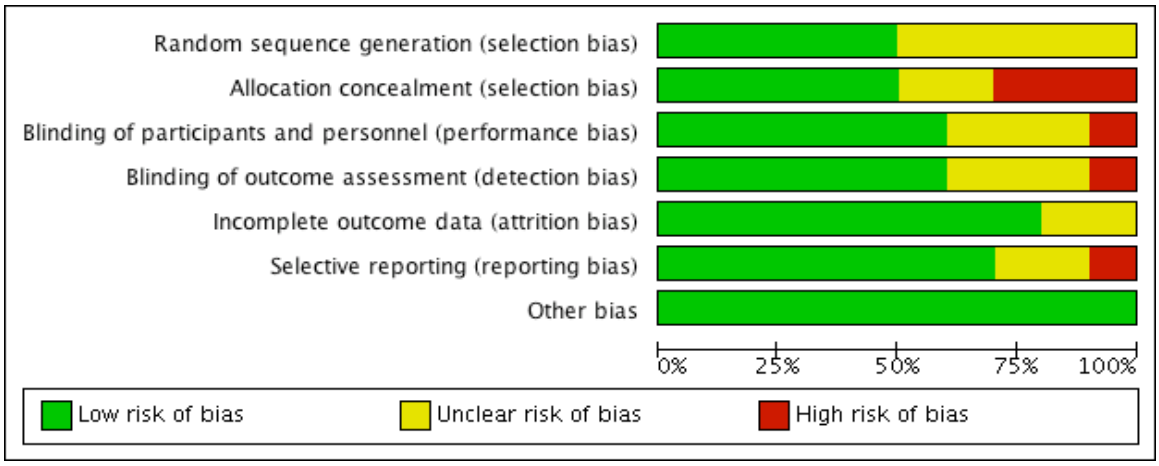
12. Thrombophlebitis fixed

Study or Subgroup	Tranexamic acid Events	Total	Placebo Events	Total	Weight	Risk Ratio M-H, Fixed, 95% CI
Von Holstein 1987	2	72	0	82	18.5%	5.68 [0.28, 116.50]
Biggs 1976	3	103	2	97	81.5%	1.41 [0.24, 8.27]
Total (95% CI)		**175**		**179**	**100.0%**	**2.20 [0.51, 9.50]**
Total events	5		2			

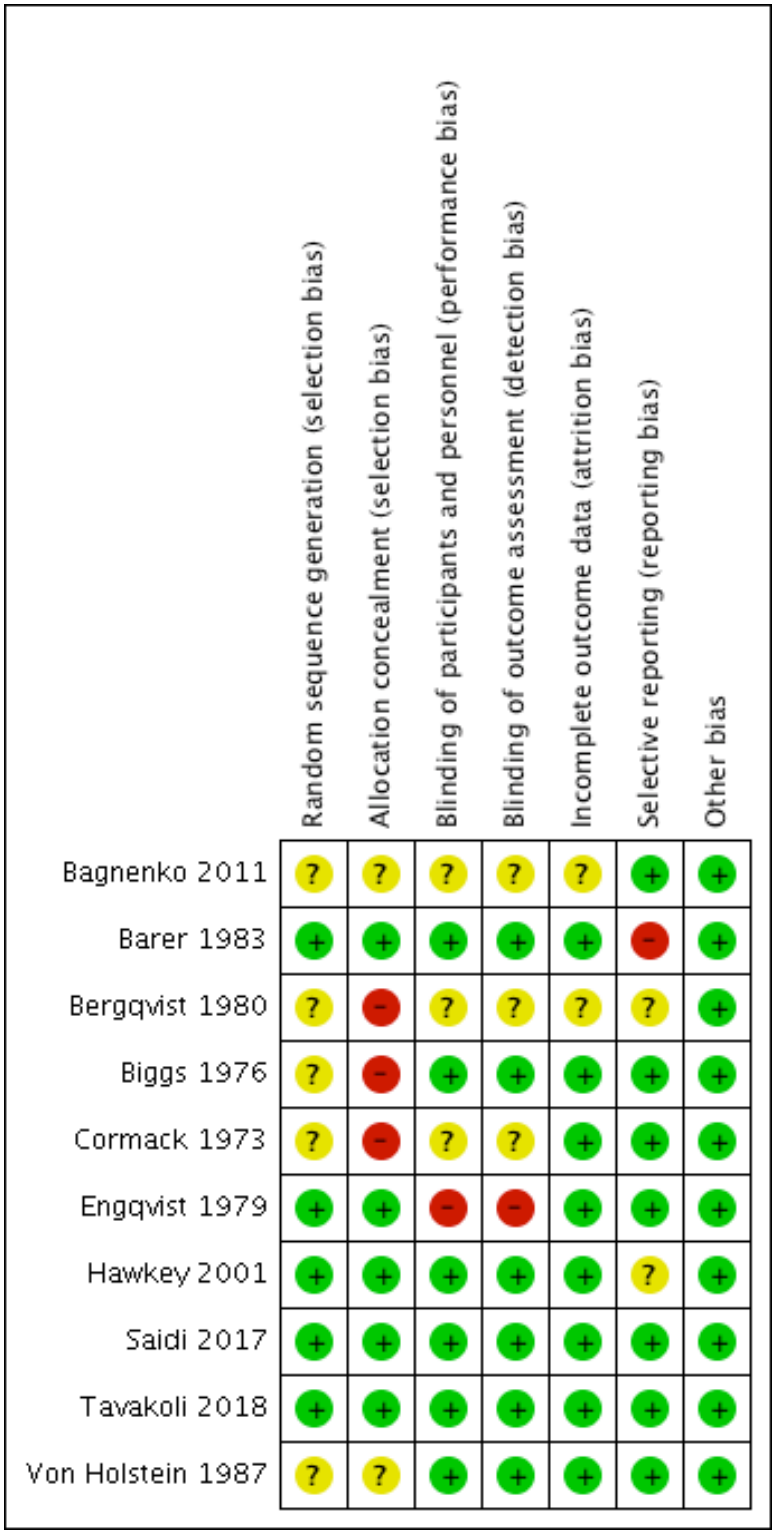
Heterogeneity: $Chi^2 = 0.62$, df = 1 (P = 0.43); $I^2 = 0\%$

Test for overall effect: Z = 1.06 (P = 0.29)





Risk of bias graph: review authors' judgements about each risk of bias item presented as percentages across all included studies.



Risk of bias summary: review authors' judgements about each risk of bias item for each included study.