Figure S1. Forest plot for overall response rate of topotecan vs. other agents. M-H, Mantel Haenszel; df, degree of freedom; 95% CI, 95% confidence interval.

Study or subgroup	Experimental Events	Experimental Total	Control Events	Control Total	Weight	Risk ratio M-H, random, 95% CI
Baize 2020	39	81	19	81	17.3%	2.05 [1.30, 3.23]
Chiappori 2016	0	29	2	15	2.3%	0.11 [0.01, 2.09]
Evans 2015	0	73	8	79	2.5%	0.06 [0.00, 1.08]
Goto 2016	61	83	23	86	18.3%	2.75 [1.89, 3.99]
Inoue 2008	11	29	4	30	10.6%	2.84 [1.02, 7.92]
Jotte 2011	22	50	4	26	11.3%	2.86 [1.10, 7.43]
O'Brien 2006	0	70	5	71	2.4%	0.09 [0.01, 1.64]
von Pawel 1999	19	104	26	107	16.5%	0.75 [0.44, 1.27]
von Pawel 2014	132	424	36	213	18.7%	1.84 [1.32, 2.56]
Total (95% CI)		943		708	100.0%	1.53 [0.95, 2.48]
Total events	284		127			

Heterogeneity: Tau^2=0.29; Chi^2=31.33, df=8 (P=0.0001); I^2=74%
Test for overall effect: Z=1.75 (P=0.08)

Risk ratio M-H, random, 95% CI

0.005   0.1   1   10   200
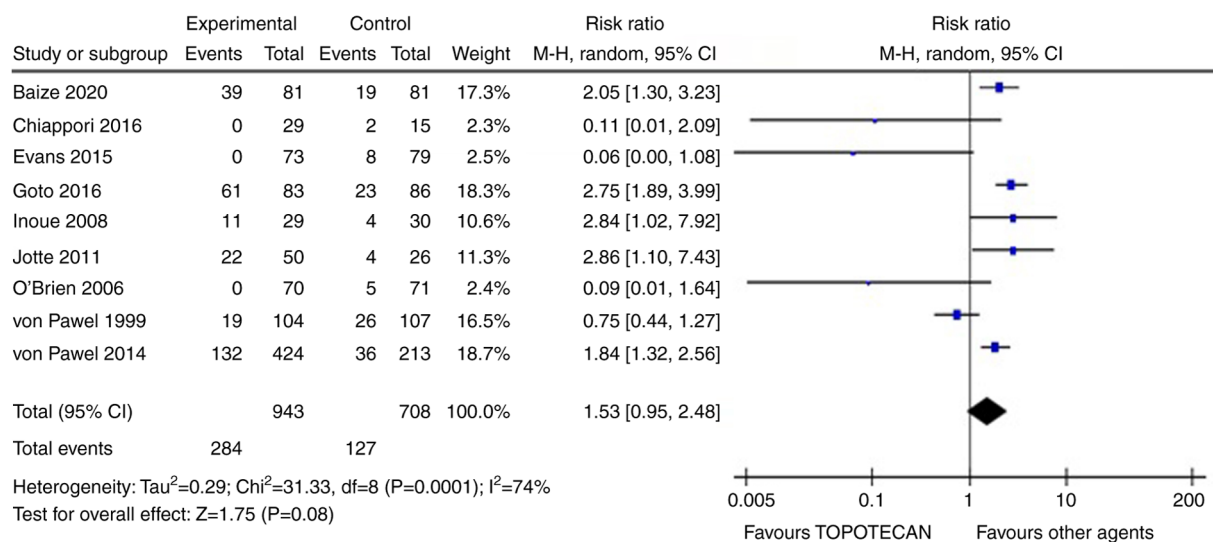Favours TOPOTECAN   Favours other agents

Figure S2. Forest plot for G3-4 anemia rate of topotecan vs. other agents. M-H, Mantel Haenszel; df, degree of freedom; 95% CI, 95% confidence interval.

Study or subgroup	Experimental Events	Total	Control Events	Total	Weight	Risk ratio M-H, random, 95% CI
Baize 2020	11	81	20	81	13.1%	0.55 [0.28, 1.07]
Chiappori 2016	1	29	1	15	4.8%	0.52 [0.03, 7.70]
Evans 2015	3	89	23	88	10.6%	0.13 [0.04, 0.41]
Goto 2016	76	90	25	90	14.2%	3.04 [2.15, 4.29]
Inoue 2008	6	29	9	30	12.0%	0.69 [0.28, 1.69]
Jotte 2011	12	49	7	23	12.5%	0.80 [0.37, 1.77]
O'Brien 2006	0	70	18	71	4.6%	0.03 [0.00, 0.45]
von Pawel 1999	20	104	44	107	13.9%	0.47 [0.30, 0.74]
von Pawel 2014	65	408	60	197	14.3%	0.52 [0.38, 0.71]
Total (95% CI)		949		702	100.0%	0.55 [0.27, 1.12]
Total events	194		207			

Heterogeneity: Tau^2=0.93; Chi^2=88.76, df=8 (P<0.00001); I^2=91%
Test for overall effect: Z=1.64 (P=0.10)

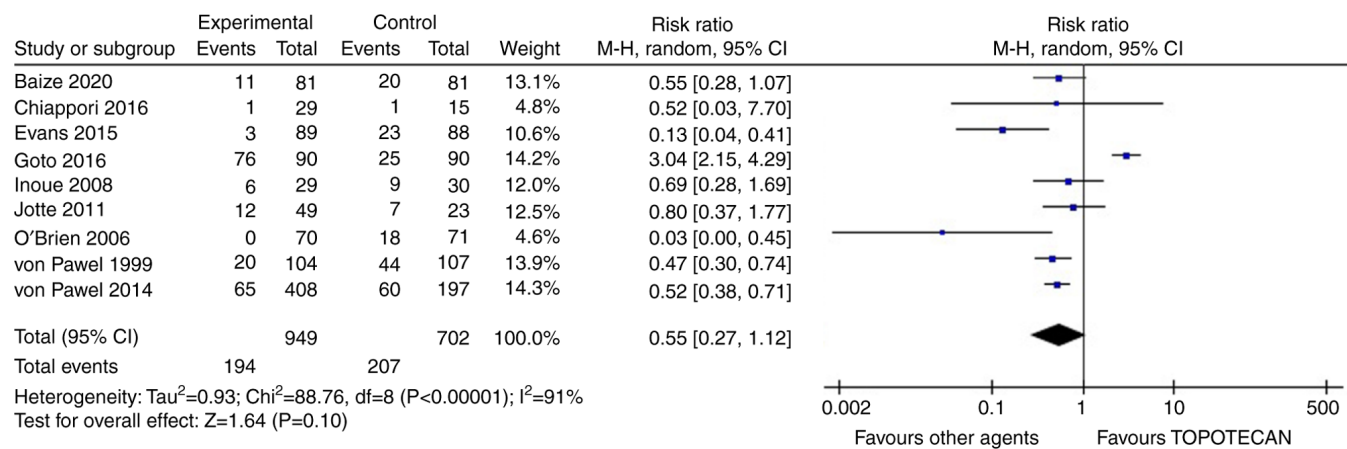Favours other agents   Favours TOPOTECAN

Figure S3. Forest plot for febrile neutropenia rate of topotecan vs. other agents. M-H, Mantel Haenszel; df, degree of freedom; 95% CI, 95% confidence interval.

Study or subgroup	Experimental Events	Experimental Total	Control Events	Control Total	Weight	Risk ratio M-H, random, 95% CI
Baize 2020	5	81	9	81	16.5%	0.56 [0.19,1.59]
Chiappori 2016	0	0	0	0		Not estimable
Evans 2015	16	89	20	88	20.7%	0.79 [0.44,1.42]
Goto 2016	26	90	6	90	18.5%	4.33 [1.87,10.02]
Inoue 2008	4	29	1	30	8.6%	4.14 [0.49,34.86]
Jotte 2011	5	49	2	23	12.1%	1.17 [0.25,5.60]
O'Brien 2006	0	70	2	71	5.2%	0.20 [0.01,4.15]
von Pawel 1999	0	0	0	0		Not estimable
von Pawel 2014	41	408	6	197	18.4%	3.30 [1.42,7.64]
Total (95% CI)		816		580	100.0%	1.50 [0.68,3.28]
Total events	97		46			

Heterogeneity: Tau^2=0.68; Chi^2=20.60, df=6 (P=0.002); I^2=71%
Test for overall effect: Z=1.01 (P=0.31)

Risk ratio
M-H, random, 95% CI

0.001   0.1   1   10   1000

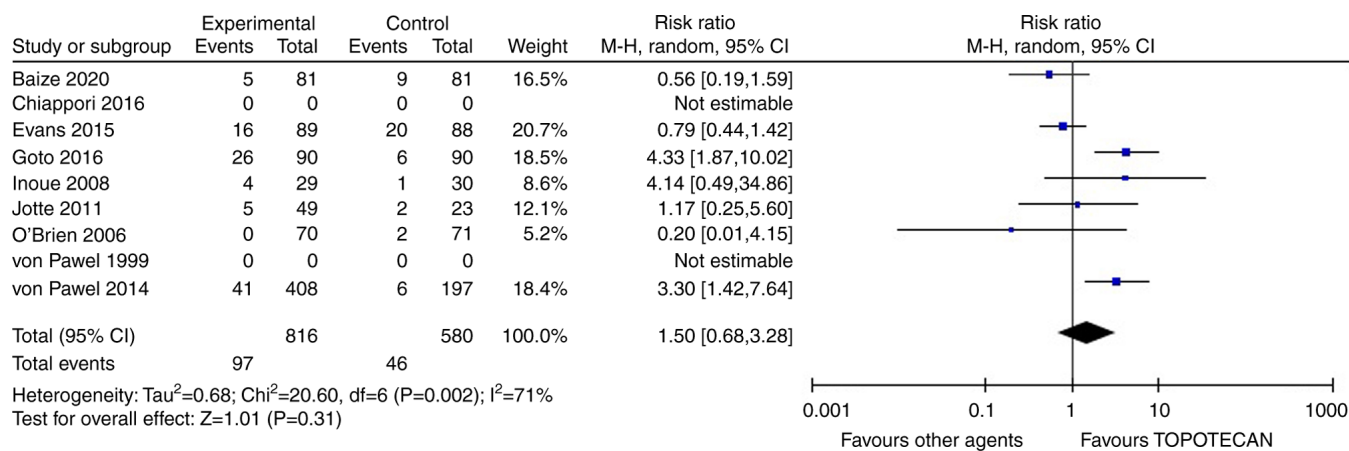Favours other agents   Favours TOPOTECAN

Figure S4. Forest plot for G3-4 neutropenia rate of topotecan vs. other agents. M-H, Mantel Haenszel; df, degree of freedom; 95% CI, 95% confidence interval.

Study or subgroup	Experimental Events	Total	Control Events	Total	Weight	Risk ratio M-H, random, 95% CI
Baize 2020	11	81	18	81	6.5%	0.61 [0.31,1.21]
Chiappori 2016	0	29	4	15	0.6%	0.06 [0.00,1.03]
Evans 2015	50	89	69	88	14.9%	0.72 [0.58,0.89]
Goto 2016	75	90	77	90	16.4%	0.97 [0.86,1.10]
Inoue 2008	28	29	26	30	15.9%	1.11 [0.95,1.30]
Jotte 2011	30	49	18	23	12.9%	0.78 [0.57,1.07]
O'Brien 2006	0	70	43	71	0.6%	0.01 [0.00,0.19]
von Pawel 1999	86	104	92	107	16.5%	0.96 [0.86,1.08]
von Pawel 2014	169	408	106	197	15.6%	0.77 [0.65,0.92]
Total (95% CI)		949		702	100.0%	0.83 [0.66,1.03]
Total events	449		453			

Heterogeneity: Tau^2=0.07;Chi^2=62.88, df=8 (P<0.00001); I^2=87%
Test for overall effect: Z=1.70 (P=0.09)

Risk ratio M-H, random, 95% CI

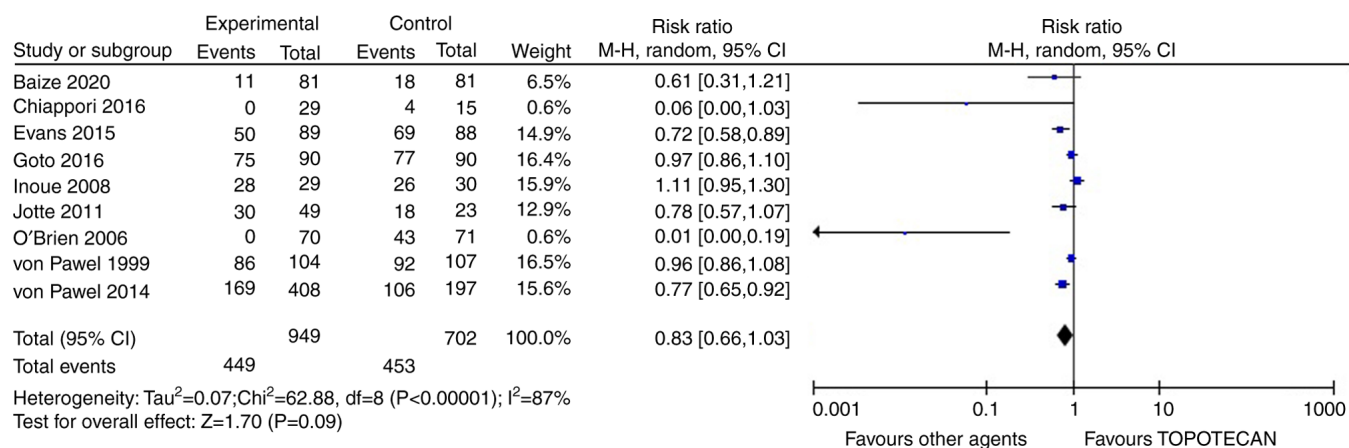Favours other agents   Favours TOPOTECAN

0.001   0.1   1   10   1000

Figure S5. Forest plot for G3-4 thrombocytopenia rate of topotecan vs. other agents. M-H, Mantel Haenszel; df, degree of freedom; 95% CI, 95% confidence interval.

Study or subgroup	Experimental Events	Experimental Total	Control Events	Control Total	Weight	Risk ratio M-H, random, 95% CI
Baize 2020	25	81	29	81	13.7%	0.86 [0.56, 1.33]
Chiappori 2016	2	29	4	15	6.5%	0.26 [0.05, 1.25]
Evans 2015	4	89	40	88	9.9%	0.10 [0.04, 0.26]
Goto 2016	37	90	25	90	13.8%	1.48 [0.98, 2.24]
Inoue 2008	8	29	12	30	11.7%	0.69 [0.33, 1.44]
Jotte 2011	19	49	14	23	13.4%	0.64 [0.39, 1.03]
O'Brien 2006	0	70	27	71	2.9%	0.02 [0.00, 0.30]
von Pawel 1999	15	104	60	107	13.3%	0.26 [0.16, 0.42]
von Pawel 2014	86	408	107	197	14.7%	0.39 [0.31, 0.49]
Total (95% CI)		949		702	100.0%	0.44 [0.26, 0.74]
Total events	196		318			

Heterogeneity: Tau^2=0.48; Chi^2=65.43, df=8 (P<0.00001); I^2=88%
Test for overall effect: Z=3.05 (P=0.002)

Favours other agents   Favours TOPOTECAN