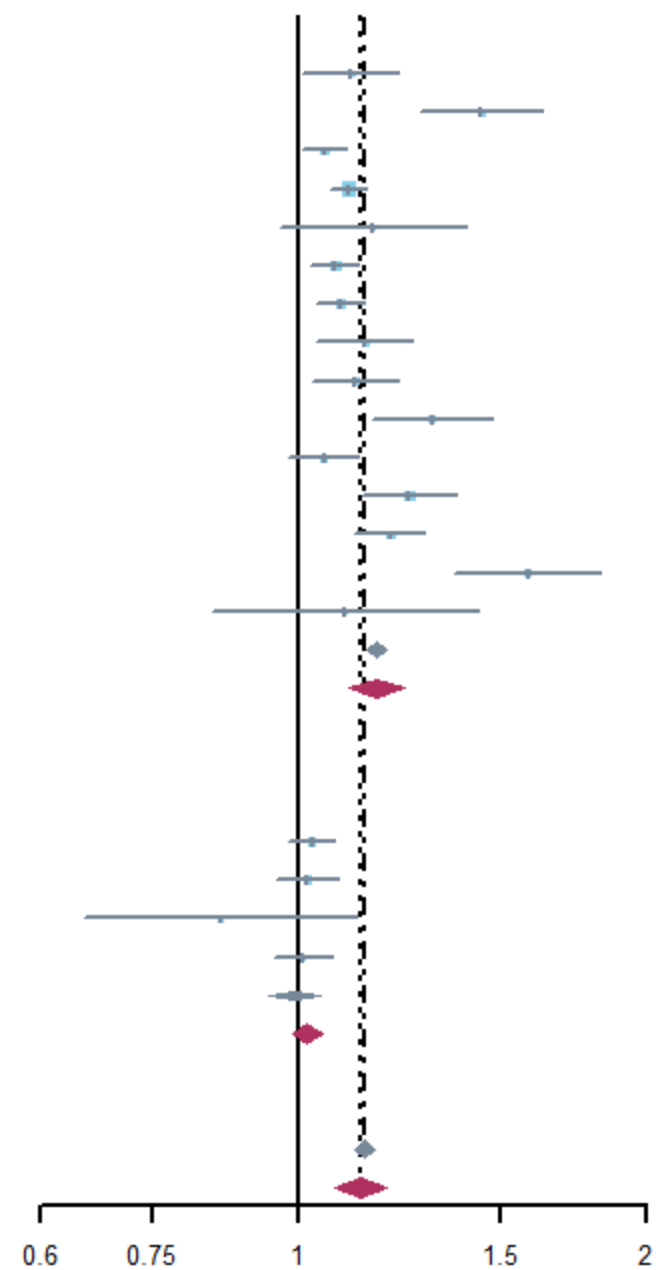


Study	Robot-assisted		Freehand		Risk Ratio	RR	95%-CI	Weight (common)	Weight (random)
	Events	Total	Events	Total					
Country = China									
Cui, 2021	87	92	85	100		1.11	[1.01; 1.22]	3.2%	5.4%
Fan, 2020	163	186	124	204		1.44	[1.28; 1.63]	4.6%	4.8%
Feng, 2019	167	170	162	174		1.06	[1.01; 1.10]	6.3%	6.3%
Han, 2019	507	532	503	584		1.11	[1.07; 1.15]	18.8%	6.4%
Li, 2019	29	32	39	50		1.16	[0.97; 1.40]	1.2%	3.6%
Wang, 2021	232	240	226	252		1.08	[1.03; 1.13]	8.6%	6.3%
Hou, 2021	225	230	194	216		1.09	[1.04; 1.14]	7.8%	6.2%
Wang, 2022	105	112	105	128		1.14	[1.04; 1.26]	3.8%	5.4%
Huang, 2020	106	112	108	128		1.12	[1.03; 1.22]	3.9%	5.6%
Xu, 2018	127	132	78	106		1.31	[1.16; 1.47]	3.4%	4.9%
Tian, 2016	99	102	81	88		1.05	[0.98; 1.13]	3.4%	5.9%
Zhai, 2019	238	276	176	255		1.25	[1.14; 1.37]	7.2%	5.4%
Yang, 2019	203	208	164	202		1.20	[1.12; 1.29]	6.5%	5.9%
Cao, 2021	173	212	112	217		1.58	[1.37; 1.83]	4.3%	4.4%
Li, 2020	42	58	29	44		1.10	[0.84; 1.43]	1.3%	2.4%
Common effect model		2694		2748		1.17	[1.15; 1.19]	84.5%	--
Random effects model						1.17	[1.11; 1.24]	--	79.1%
Heterogeneity: $I^2 = 79\%$, $\tau^2 = 0.0095$, $p < 0.01$									
Country = Others									
Hyun, 2017	127	130	133	140		1.03	[0.98; 1.08]	5.0%	6.3%
Kim, 2018	148	158	158	172		1.02	[0.96; 1.08]	5.9%	6.1%
Ringel, 2012	56	146	68	152		0.86	[0.65; 1.12]	2.6%	2.4%
Roser, 2013	71	72	39	40		1.01	[0.96; 1.07]	2.0%	6.1%
Common effect model		506		504		0.99	[0.94; 1.05]	15.5%	--
Random effects model						1.02	[0.99; 1.05]	--	20.9%
Heterogeneity: $I^2 = 0\%$, $\tau^2 = < 0.0001$, $p = 0.62$									
Common effect model		3200		3252		1.14	[1.12; 1.16]	100.0%	--
Random effects model						1.13	[1.07; 1.19]	--	100.0%



Heterogeneity: $I^2 = 81\%$, $\tau^2 = 0.0107$, $p < 0.01$
 Test for subgroup differences (common effect): $\chi^2_1 = 33.10$, $df = 1$ ($p < 0.01$)
 Test for subgroup differences (random effects): $\chi^2_1 = 17.94$, $df = 1$ ($p < 0.01$)