

Table S1: Study quality scores.

Study	Year	1	2	3	4	5	6	7	8	9	Quality score
Wang, et al [1]	2021	+	+	+	-	-	+	+	+	+	7
Xu, et al [2]	2020	+	+	+	-	-	-	+	+	-	5
Wang, et al A) [3]	2020	+	+	-	-	-	+	+	+	+	6
Wang, et al B) [4]	2020	+	+	+	-	-	+	+	+	+	7
He, et al 1) [5]	2020	+	+	-	-	-	-	+	-	-	3
He, et al 2) [5]	2020	+	+	-	-	-	-	+	-	-	3
Pan, et al [6]	2019	+	+	-	-	-	-	+	+	-	4
Jia, et al 1) [7]	2018	+	+	+	-	-	+	+	+	-	6
Jia, et al 2) [7]	2018	+	+	+	-	-	+	+	+	-	6
Li, et al 1) [8]	2017	+	+	+	-	-	+	+	-	-	5
Li, et al 2) [8]	2017	+	+	+	-	-	+	+	-	-	5
Li, et al 3) [8]	2017	+	+	+	-	-	+	+	-	-	5
Singh, et al [9]	2016	+	+	-	-	-	+	-	+	+	5
Orunoglu, et al 1) [10]	2017	+	+	+	-	-	+	-	+	-	5
Orunoglu, et al 2) [10]	2017	+	+	+	-	-	+	-	+	-	5
Orunoglu, et al 3) [10]	2017	+	+	+	-	-	+	-	+	-	5
Orunoglu, et al 4) [10]	2017	+	+	+	-	-	+	-	+	-	5
Meng, et al 1) [11]	2017	+	-	+	-	-	-	+	-	-	3
Meng, et al 2) [11]	2017	+	-	+	-	-	-	+	-	-	3
Zheng, et al 1) [12]	2016	+	+	+	-	-	+	+	+	-	6
Zheng, et al 2) [12]	2016	+	+	+	-	-	+	+	+	-	6
Yin, et al [13]	2014	+	+	+	-	-	+	-	+	-	5
Perry, et al [14]	2010	+	+	-	-	-	+	-	+	-	4
Aoki, et al [15]	2007	+	+	-	-	-	+	-	-	-	3

- 1) Peer-review publication;
- 2) Standardized number of tumor cells implanted;
- 3) Randomized allocation of tumor-bearing animals to treatment and control groups;
- 4) Blinded assessment of outcome;
- 5) Sample size calculation performed;
- 6) Compliance with animal welfare regulations;
- 7) Statement of potential conflicts of interest;
- 8) Reported the number of animals originally inoculated with tumor cells;
- 9) Reported the explanation of any treated animals excluded from analysis.

Table S2: Assessment of publication bias for the impact of effects of radiation alone against the administration of curcumin together with radiation.

Outcome	Egger's Regression Test			
	95% CI	t	p-Value	df
Tumor volume (fold increase from day 1)	-56.240 to 41.701	1.886	1	0.310

CI - confidence interval; df - degrees of freedom.

Figure S1: Results of sensitivity analysis for the meta-analysis of the effects of radiation alone against the administration of curcumin together with radiation [3,11].

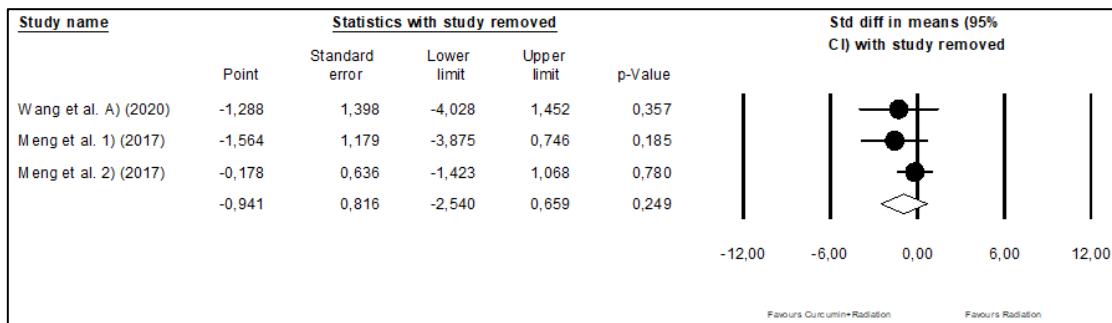
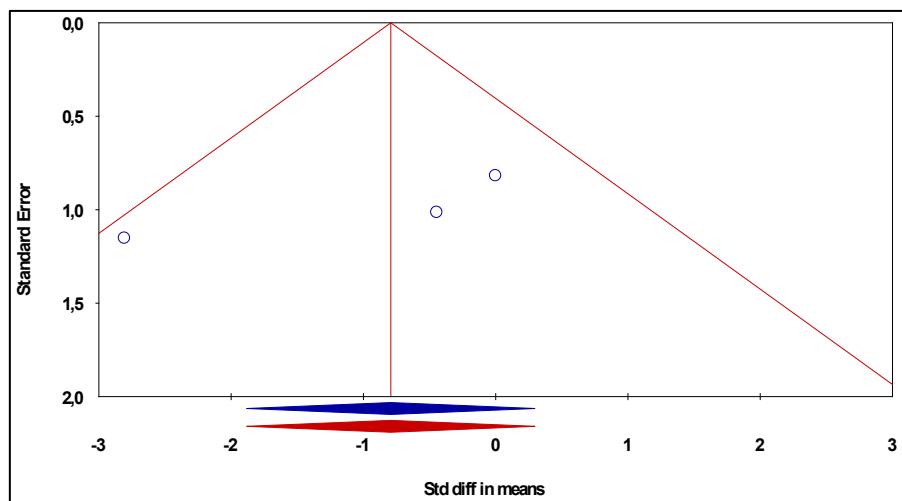


Figure S2: Funnel plot of standard error by difference in means (publication bias tests) of the effects of radiation alone against the administration of curcumin together with radiation.



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