

Figure S1 Literature search process.

Table S1 Characteristics of the included studies

Immunotherapy trial	Study type	Funding source	Analysis population	HR estimate	Stratified HR
CIK cell					
Lee <i>et al.</i> , [2015] (9)	Interventional	Industry	ITT	Cox PH model	Reported
Takayama <i>et al.</i> , [2000] (10)	Interventional	Government	ITT	Cox PH model	Not reported
Xu <i>et al.</i> , [2016] (11)	Interventional	Government	ITT	Aalen's linear hazard models	Not reported
Checkpoint inhibitor					
Finn <i>et al.</i> , [2020a] (12)	Interventional	Industry	ITT	Cox PH model	Not reported
Finn <i>et al.</i> , [2020b] (13)	Interventional	Industry	ITT	Cox PH model	Reported
Kelley <i>et al.</i> , [2022] (14)	Interventional	Industry	ITT	Cox PH model	Not reported
Qin <i>et al.</i> , [2020] (15)	Interventional	Industry	ITT	Cox PH model	Reported
Yau <i>et al.</i> , [2022] (16)	Interventional	Industry	ITT	Cox PH model	Not reported

HR, hazard ratio; CIK, cytokine-induced killer; ITT, intention-to-treat; PH, proportional hazards.

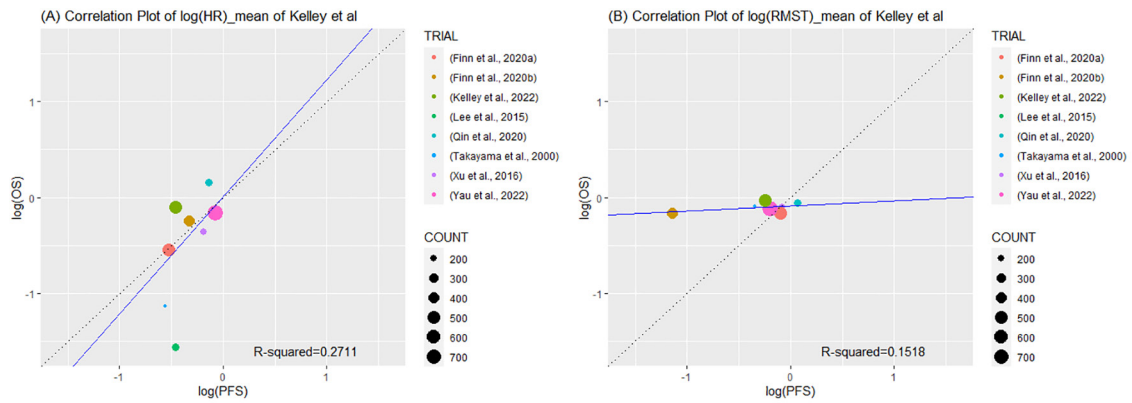


Figure S2 Correlations between PFS and OS with the average sample size being the weight of the study conducted by (14). (A) HR; (B) RMST ratio. PFS, progression-free survival; OS, overall survival; HR, hazard ratio; RMST, restricted mean survival time.

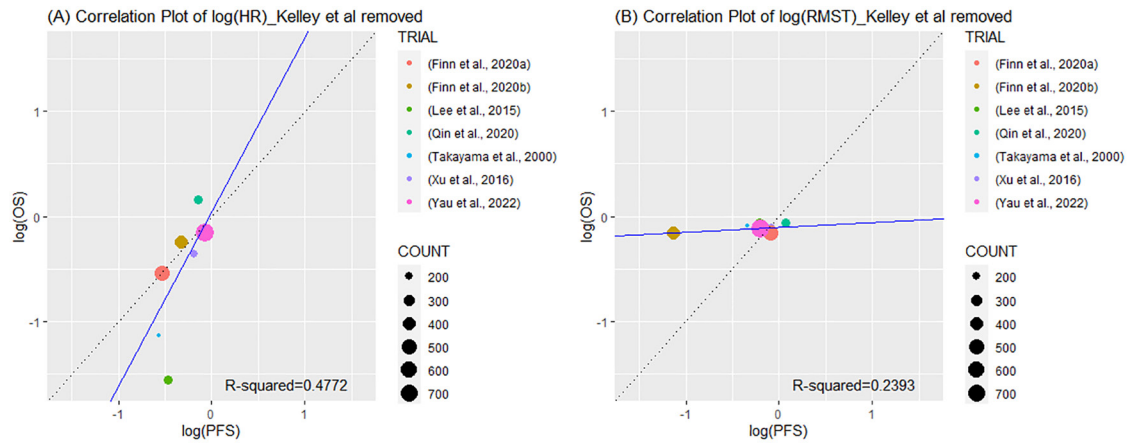


Figure S3 Correlations between PFS and OS after excluding the study conducted by (14). (A) HR; (B) RMST ratio. PFS, progression-free survival; OS, overall survival; HCC, hepatocellular carcinoma; HR, hazard ratio; RMST, restricted mean survival time.