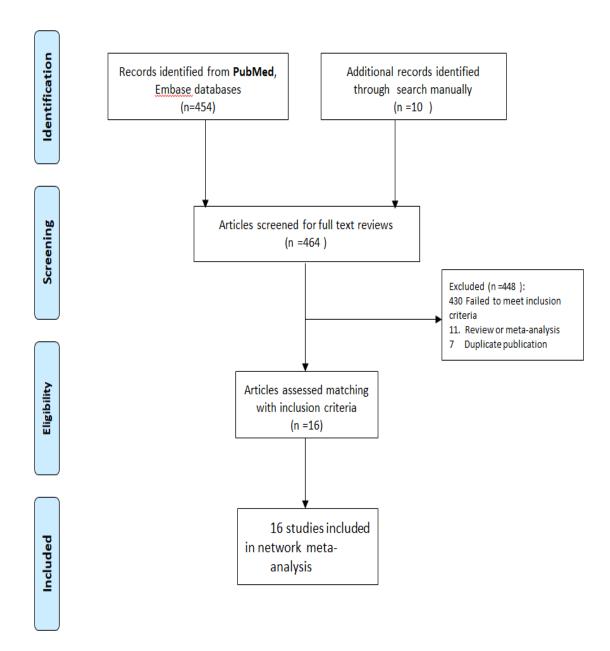
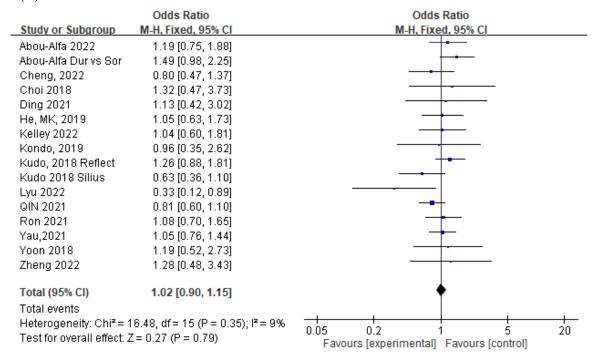


Supplementary Figure 1. Network map of randomized controlled trials comparing multimodality treatment for aHCC with PVTT



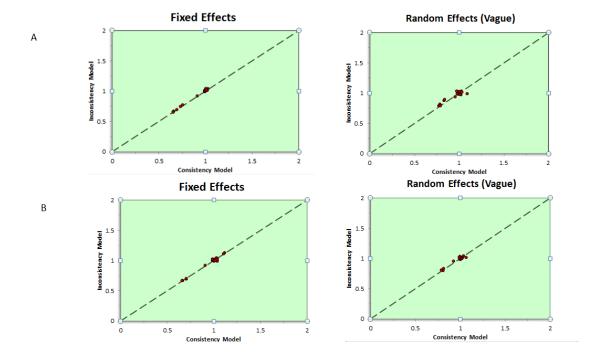
Supplementary Figure 2 The flow chart summarizing the process for the identification of the eligible clinical studies



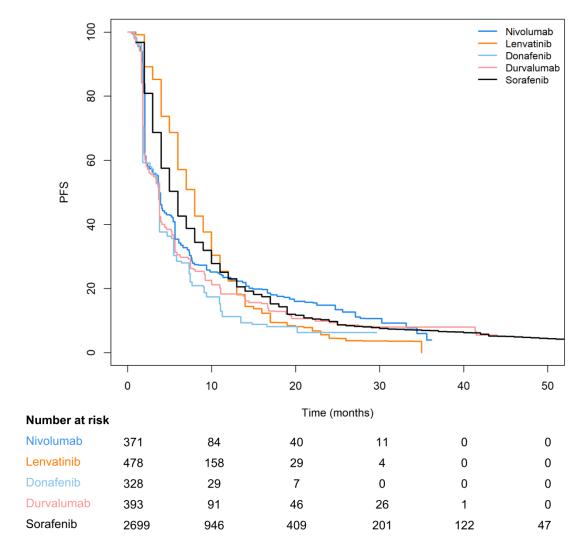
(B)

	Experimental		Control		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	M-H, Fixed, 95% CI	M-H, Fixed, 95% CI
Abou-Alfa 2022	262	393	280	389	0.78 [0.57, 1.06]	
Abou-Alfa Dur vs Sor	280	389	293	389	0.84 [0.61, 1.16]	
Cheng, 2022	146	258	77	120	0.73 [0.47, 1.14]	
Choi 2018	19	29	18	29	1.16 [0.40, 3.39]	
Ding 2021	16	32	15	32	1.13 [0.42, 3.02]	
He, MK, 2019	78	125	63	122	1.55 [0.94, 2.58]	 •
Kelley 2022	131	298	70	148	0.87 [0.59, 1.30]	
Kondo, 2019	18	35	15	33	1.27 [0.49, 3.30]	
Kudo, 2018 Reflect	259	336	250	329	1.06 [0.74, 1.52]	
Kudo 2018 Silius	58	73	59	75	1.05 [0.47, 2.32]	
Lyu 2022	43	70	50	59	0.29 [0.12, 0.68]	
QIN 2021	115	328	112	331	1.06 [0.77, 1.46]	+
Ren 2021	303	380	150	191	1.08 [0.70, 1.65]	-
Yau,2021	186	280	206	262	0.54 [0.37, 0.79]	
Yoon 2018	22	45	21	45	1.09 [0.48, 2.50]	
Zheng 2022	19	32	17	32	1.29 [0.48, 3.47]	
Total (95% CI)		3103		2586	0.89 [0.79, 1.00]	•
Total events	1955		1696			
Heterogeneity: $Chi^2 = 24.27$, $df = 15$ (P = 0.06); $I^2 = 38\%$					 	
Test for overall effect: Z = 2.03 (P = 0.04)					0.05 0.2 1 5 20	
		2.01,				Favours [experimental] Favours [control]

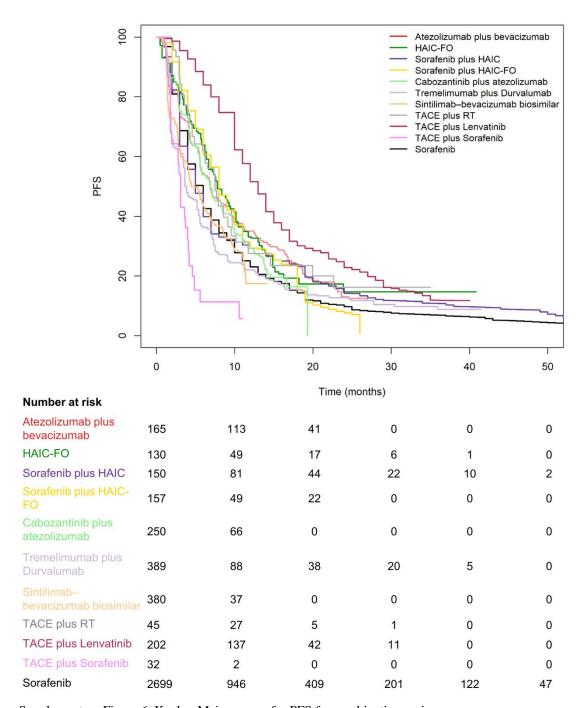
Supplementary Figure 3. I^2 test for heterogeneity in direct comparison of regimens (A) overall survival (B) progress free survival in this network analysis



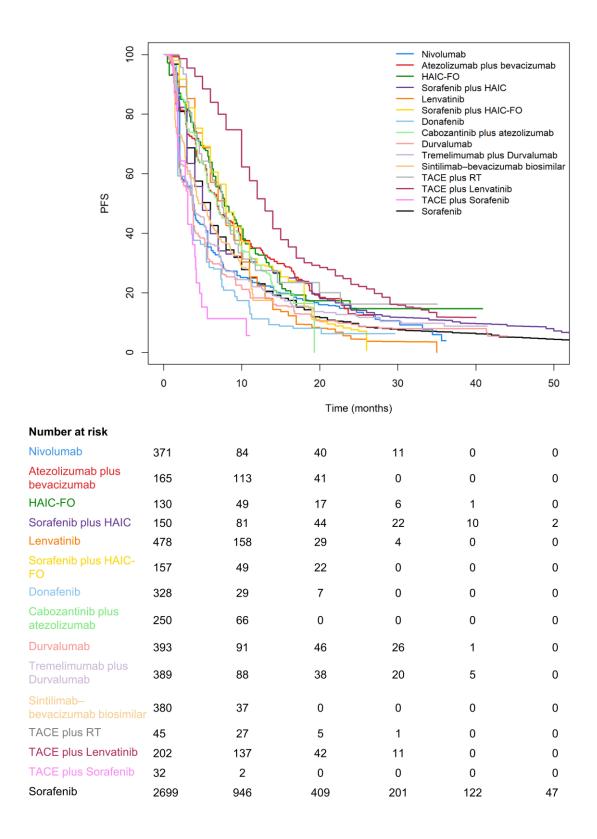
Supplementary Figure 4. Inconsistency vs consistency plot for (A) Overall survival (B) Progression free survival of multimodality treatments. Plot of individual data points for the consistency model (horizonal axis) and the inconsistency model (vertical axis), along with the equality line.



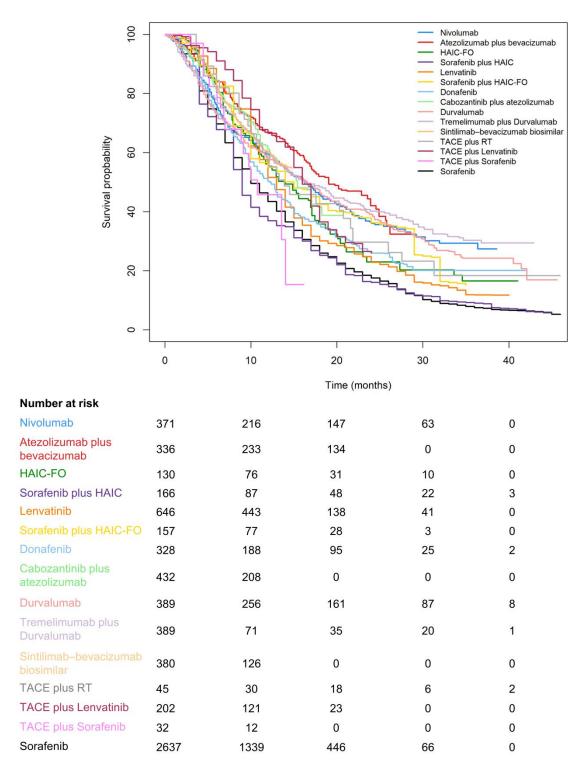
Supplementary Figure 5. Kaplan-Meier curves for PFS for monotherapy regimens



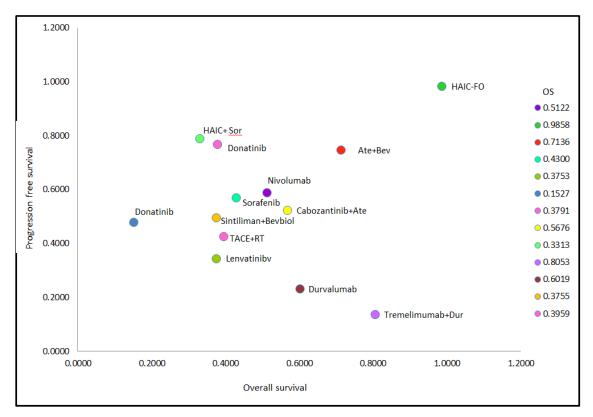
Supplementary Figure 6. Kaplan-Meier curves for PFS for combination regimens



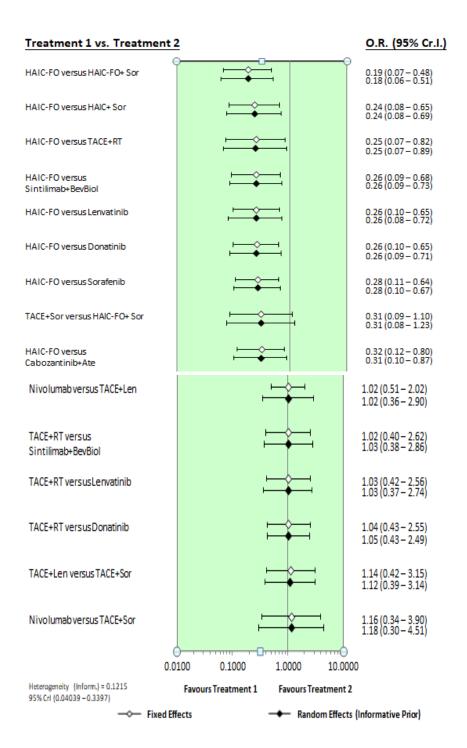
Supplementary Figure 7. Kaplan-Meier curves for progression-free survival for all multimodality regimens

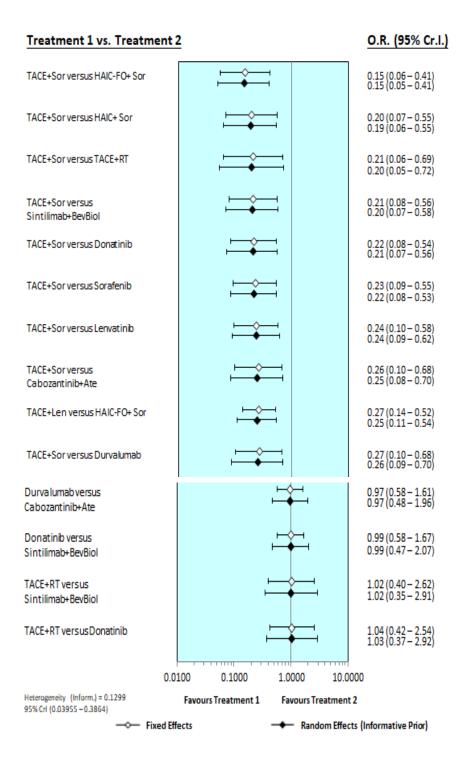


Supplementary Figure 8. Kaplan-Meier curves for overall survival for all multimodality regimens



Supplementary Figure 9. SUCRA ranking probabilities of regimens for PFS and OS. Abbreviations: HAIC (hepatic arterial infusion chemotherapy





Supplementary Figure 10. Sensitivity analysis results in terms of forest plot including a study (A) without high risk bias, (B) with high risk bias. Both forest plot exhibited similar OR value and heterogeneity.