Study or Subgroup	log[Hazard Ratio]			Hazard Ratio	Hazard Ratio	
		SE	Weight	IV, Random, 95% Cl	IV, Random, 95% Cl	
3.2.1 Asia						
Harimoto et al 2019	3.0474	1.0277	7.2%	21.06 [2.81, 157.85]		
Zou et al 2020	3.0542	7.8986	0.1%	21.20 [0.00, 112130230.75]	• •	
Subtotal (95% Cl)			7.3%	21.06 [2.86, 155.23]		
Heterogeneity: Tau ² =	: 0.00; Chi ² = 0.00, df	= 1 (P = 1	1.00); I ^z = I	0%		
Test for overall effect:	Z = 2.99 (P = 0.003)					
3.2.2 Europe or USA						
Dong et al 2019	0.1133	0.6379	14.3%	1.12 [0.32, 3.91]		
Genç et al 2018	0.5423	0.4547	20.7%	1.72 [0.71, 4.19]		
Lopez-Aguiar 2019	0.6931	0.2606	30.0%	2.00 [1.20, 3.33]		
Pulvirenti et al 2019	1.4633	0.3063	27.7%	4.32 [2.37, 7.87]		
Subtotal (95% Cl)			92.7%	2.28 [1.34, 3.88]	◆	
Heterogeneity: Tau ² =	0.14; Chi ² = 6.14, df	= 3 (P = I	0.11); I ^z = 9	51%		
Test for overall effect:	Z = 3.03 (P = 0.002)					
Total (95% CI)			100.0%	2.62 [1.44, 4.76]	•	
Heterogeneity: Tau ² =	: 0.24; Chi ^z = 10.54, d	f = 5 (P =	0.06); I ² =	: 53%		
Test for overall effect:					0.01 0.1 1 10 10	
Test for subaroup diff	· · ·	df = 1 (F	= 0.03), l ^a	²= 77.5%	Negative Positive	

Supplementary Figure 3 Forest plot of subgroup analysis for resection margin on region