

Factors	HR(Multivariate)–RFS	P value	significance
distal_Stroma	1.002	0.725	
distal_Necrosis	1.011	0.105	
distal_Lymphocyte	0.987	0.457	
distal_Normal_hepatic	0.999	0.836	
distal_Mucus	1.001	0.933	
distal_CH_score	0.997	0.216	
distal_SDI	0.760	0.417	
infiltrating_Stroma	1.000	0.960	
infiltrating_Necrosis	1.003	0.764	
infiltrating_Lymphocyte	0.987	0.583	
infiltrating_Normal_hepatic	1.006	0.252	
infiltrating_Mucus	0.974	0.221	
infiltrating_CH_score	1.000	0.936	
infiltrating_SDI	0.961	0.873	
tumor_proximal_stroma_interaction	1.040	0.772	
tumor_proximal_Necrosis_interaction	0.952	0.750	
tumor_proximal_Lymphocyte_interaction	1.041	0.834	
tumor_proximal_Normal_hepatic_interaction	1.743	0.021	*
tumor_proximal_Mucus_interaction	0.978	0.904	
overall_Stroma	1.002	0.742	
overall_Necrosis	1.006	0.186	
overall_Lymphocyte	0.988	0.375	
overall_Normal_hepatic	1.001	0.709	
overall_Mucus	0.997	0.666	
overall_CH_score	1.000	0.859	
overall_SDI	1.034	0.894	