

Factors	HR(Multivariate)–RFS	P value	significance
distal_Stroma	0.988	0.083	
distal_Necrosis	1.012	0.149	
distal_Lymphocyte	0.955	0.023	*
distal_Normal_hepatic	1.000	0.958	
distal_Mucus	0.998	0.830	
distal_CH_score	0.996	0.178	
distal_SDI	0.433	0.034	*
infiltrating_Stroma	1.001	0.952	
infiltrating_Necrosis	1.032	0.026	*
infiltrating_Lymphocyte	0.996	0.900	
infiltrating_Normal_hepatic	1.008	0.154	
infiltrating_Mucus	0.940	0.121	
infiltrating_CH_score	1.000	0.769	
infiltrating_SDI	0.749	0.324	
tumor_proximal_stroma_interaction	0.815	0.202	
tumor_proximal_Necrosis_interaction	0.879	0.519	
tumor_proximal_Lymphocyte_interaction	0.920	0.696	
tumor_proximal_Normal_hepatic_interaction	1.398	0.186	
tumor_proximal_Mucus_interaction	0.996	0.986	
overall_Stroma	0.992	0.140	
overall_Necrosis	1.013	0.043	*
overall_Lymphocyte	0.969	0.054	
overall_Normal_hepatic	1.002	0.441	
overall_Mucus	0.994	0.532	
overall_CH_score	1.000	0.853	
overall_SDI	0.803	0.457	