

Factors	HR(Multivariate)–OS	P value	significance
distal_Stroma	0.982	0.061	
distal_Necrosis	0.999	0.928	
distal_Lymphocyte	0.918	0.010	*
distal_Normal_hepatic	0.992	0.082	
distal_Mucus	1.009	0.418	
distal_CH_score	1.002	0.428	
distal_SDI	0.957	0.932	
infiltrating_Stroma	1.002	0.827	
infiltrating_Necrosis	1.057	0.002	**
infiltrating_Lymphocyte	1.015	0.711	
infiltrating_Normal_hepatic	1.006	0.465	
infiltrating_Mucus	1.020	0.665	
infiltrating_CH_score	1.000	0.147	
infiltrating_SDI	1.255	0.552	
tumor_proximal_stroma_interaction	1.021	0.920	
tumor_proximal_Necrosis_interaction	0.767	0.345	
tumor_proximal_Lymphocyte_interaction	0.494	0.032	*
tumor_proximal_Normal_hepatic_interaction	0.503	0.159	
tumor_proximal_Mucus_interaction	1.192	0.538	
overall_Stroma	0.990	0.173	
overall_Necrosis	1.009	0.250	
overall_Lymphocyte	0.953	0.051	
overall_Normal_hepatic	0.995	0.216	
overall_Mucus	1.008	0.411	
overall_CH_score	1.000	0.083	
overall_SDI	1.411	0.382	