

Factors	HR(Multivariate)–OS	P value	significance
distal_Stroma	0.989	0.169	
distal_Necrosis	1.008	0.352	
distal_Lymphocyte	0.941	0.031	*
distal_Normal_hepatic	0.993	0.061	
distal_Mucus	1.007	0.553	
distal_CH_score	1.002	0.471	
distal_SDI	1.140	0.760	
infiltrating_Stroma	0.998	0.847	
infiltrating_Necrosis	1.025	0.013	*
infiltrating_Lymphocyte	0.996	0.903	
infiltrating_Normal_hepatic	1.007	0.263	
infiltrating_Mucus	0.968	0.292	
infiltrating_CH_score	1.000	0.223	
infiltrating_SDI	1.265	0.456	
tumor_proximal_stroma_interaction	1.105	0.572	
tumor_proximal_Necrosis_interaction	1.033	0.876	
tumor_proximal_Lymphocyte_interaction	0.533	0.033	*
tumor_proximal_Normal_hepatic_interaction	0.804	0.588	
tumor_proximal_Mucus_interaction	0.949	0.828	
overall_Stroma	0.992	0.229	
overall_Necrosis	1.012	0.040	*
overall_Lymphocyte	0.967	0.088	
overall_Normal_hepatic	0.996	0.265	
overall_Mucus	1.000	0.960	
overall_CH_score	1.000	0.098	
overall_SDI	1.464	0.245	