Univariate Analysis Hazard Ratio Plot – RFS

| Factors | beta | HR (95% CI for HR) | | P value | significance |
|----------------------|---------|--------------------|------------------------|------------------|--------------|
| Gender | 0.11 | 1.1 (0.88–1.4) | ⊢• ─I | 0.36 | _ |
| Age | -0.0093 | 0.99 (0.98-1) | • | 0.075 | |
| CRC_location | -0.11 | 0.89 (0.66-1.2) | ├→ | 0.46 | |
| Tstage | 0.21 | 1.2 (0.82-1.9) | —— | 0.31 | |
| Nstage | 0.31 | 1.4 (1.1–1.8) | | 0.013 | * |
| RAS_mutation | 0.3 | 1.4 (1.1–1.7) | ├ | 0.0082 | ** |
| pre_chemotherapy | 0.78 | 2.2 (1.6-2.9) | — | → 4.1e–08 | *** |
| CEA | 0.0012 | 1 (1–1) | • | 0.035 | * |
| DFI | -0.021 | 0.98 (0.97-0.99) | • | 0.00015 | *** |
| liver_M_location | 0.62 | 1.9 (1.5–2.3) | ├ | 4.3e-08 | *** |
| liver_M_number | 0.09 | 1.1 (1.1–1.1) | • | 1.7e-10 | *** |
| liver_M_size | 0.096 | 1.1 (1–1.2) | • | 0.00011 | *** |
| radio_ablation | 0.51 | 1.7 (1.2–2.2) | ├ | 0.00052 | *** |
| CRS_score | 0.45 | 1.6 (1.4–1.8) | I - 0 -1 | 8.4e-14 | *** |
| CRS_group | 0.7 | 2 (1.6–2.5) | ├ | 6.4e-10 | *** |
| post_chemotherapy | -0.24 | 0.79 (0.62-0.99) | H | 0.043 | * |
| STR_Proportion | 0.083 | 1.1 (0.97–1.2) | • | 0.14 | |
| Entropy | -0.055 | 0.95 (0.85–1.1) | I • -I | 0.33 | |
| LYM_Proportion | -0.061 | 0.94 (0.84-1) | I • | 0.27 | |
| STR_interection | 0.12 | 1.1 (1–1.3) | ! ● -! | 0.032 | * |
| LYM_interection | -0.06 | 0.94 (0.84-1.1) | I - I | 0.29 | |
| Within_cluster_disp | -0.053 | 0.95 (0.85-1.1) | I - I | 0.35 | |
| Between_cluster_disp | 0.087 | 1.1 (0.98–1.2) | [•] | 0.12 | |
| CH_score | -0.043 | 0.96 (0.86-1.1) | 10-1 | 0.44 | |
| far_STR | -0.044 | 0.96 (0.86-1.1) | 10-1 | 0.43 | |
| around_STR | -0.033 | 0.97 (0.87-1.1) | 101 | 0.55 | |
| inside_STR | 0.084 | 1.1 (0.97–1.2) | !●! | 0.13 | |
| far_LYM | -0.11 | 0.89 (0.8–1) | (•) | 0.042 | * |
| around_LYM | -0.079 | 0.92 (0.83-1) | • | 0.16 | |
| inside_LYM | -0.063 | 0.94 (0.84–1) | I • | 0.27 | |
| infiltrated_LYM | -0.082 | 0.92 (0.83-1) | • | 0.14 | |
| infiltrated_STR | 0.059 | 1.1 (0.95–1.2) | 1-1 | 0.29 | |
| whole_slide_LYM | -0.11 | 0.9 (0.8-1) | (•) | 0.051 | |
| whole_slide_STR | 0.043 | 1 (0.94–1.2) | ▶ | 0.44 | |