**Table S2**

**A single-factor and multi-factor cox analysis of the training and test data set.**

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| --- | --- | --- | --- | --- |
|  | **Univariate analysis** | | **Multivariate analysis** | |
| HR (95% CI) | *P*-value | HR (95% CI) | *P*-value |
| **Training cohort** | | | | |
| sex | 0.955 (0.672-1.356) | .795 | 1.279 (0.747-2.192) | .37 |
| weight | 0.918 (0.645-1.306) | .633 | 1.038 (0.588-1.832) | .898 |
| age | 1.378 (0.977-1.943) | .067 | 1.524 (0.891-2.609) | .124 |
| grade | 1.216 (0.856-1.726) | .275 | 1.195 (0.72-1.984) | .491 |
| stage | 1.428 (0.975-2.092) | .067 | 1.359 (0.787-2.346) | .272 |
| vascular | 1.176 (0.783-1.765) | .435 | 1.144 (0.666-1.965) | .625 |
| inflammation | 1.044 (0.647-1.682) | .861 | 0.858 (0.508-1.448) | .566 |
| risk score | 0.231 (0.136-0.394) | <.001 | 0.3 (0.149-0.604) | <.001 |
| **Validation cohort (n = 181)** | | | | |
| sex | 0.798 (0.555-1.146) | .221 | 0.615 (0.28-1.351) | .226 |
| weight | 0.839 (0.582-1.209) | .347 | 1.205 (0.623-2.33) | .579 |
| age | 1.046 (0.737-1.486) | .799 | 1.487 (0.715-3.096) | .289 |
| grade | 0.964 (0.658-1.412) | .851 | 1.152 (0.552-2.404) | .707 |
| stage | 2.524 (1.729-3.685) | <.001 | 3.792 (1.834-7.84) | <.001 |
| vascular | 1.25 (0.812-1.923) | .31 | 1.279 (0.626-2.614) | .499 |
| inflammation | 1.243 (0.756-2.044) | .391 | 2.233 (0.894-5.575) | .085 |
| risk score | 0.457 (0.305-0.687) | <.001 | 0.526 (0.2-1.382) | <.001 |

HR = hazard ratio; CI: confidence interval.