Table 2. Cox proportional hazards regression models of variables associated with survival outcomes.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Recurrence-free survival | | | | | | Cancer-specific survival | | | | | | Overall survival | | | | | |
|  | Univariate analysis | | | Multivariate analysis | | | Univariate analysis | | | Multivariate analysis | | | Univariate analysis | | | Multivariate analysis | | |
|  | HR | 95% CI | *P* value | HR | 95% CI | *P* value | HR | 95% CI | *P* value | HR | 95% CI | *P* value | HR | 95% CI | *P* value | HR | 95% CI | *P* value |
| Age (years) | 1.01 | 0.98-1.03 | 0.655 |  |  |  | 1.01 | 0.99-1.04 | 0.317 |  |  |  | 1.03 | 1.01-1.06 | 0.012 | 1.01 | 0.99-1.04 | 0.324 |
| Body mass index (kg/m2) | 1.11 | 0.96-1.27 | 0.149 | 1.04 | 0.90-1.20 | 0.601 | 1.10 | 0.96-1.27 | 0.186 |  |  |  | 1.11 | 0.98-1.27 | 0.105 | 1.05 | 0.92-1.20 | 0.481 |
| Serum creatinine (μmol/l) | 1.00 | 0.98-1.02 | 0.841 |  |  |  | 1.00 | 0.98-1.02 | 0.674 |  |  |  | 1.00 | 0.99-1.02 | 0.711 |  |  |  |
| Tumor stage | 1.25 | 1.00-1.56 | 0.049 | 1.00 | 0.77-1.20 | 0.970 | 1.24 | 0.99-1.56 | 0.065 | 1.02 | 0.78-1.32 | 0.886 | 1.38 | 1.12-1.71 | 0.003 | 1.19 | 0.94-1.52 | 0.154 |
| Histology (non-squamous vs. squamous) | 1.83 | 1.08-3.11 | 0.026 | 1.48 | 0.84-2.62 | 0.179 | 2.00 | 1.17-2.42 | 0.011 | 1.45 | 0.80-2.61 | 0.218 | 1.70 | 1.02-2.85 | 0.042 | 1.21 | 0.69-2.11 | 0.506 |
| Tumor differentiation (G3 vs. G1-2) | 2.16 | 1.26-3.72 | 0.005 | 2.87 | 1.58-5.21 | 0.001 | 2.79 | 1.65-4.72 | <0.0001 | 4.19 | 2.30-7.64 | <0.0001 | 2.37 | 1.43-3.92 | 0.001 | 3.27 | 1.88-5.70 | <0.0001 |
| Tumor size (≥4cm vs. <4cm) | 2.64 | 1.57- 4.45 | <0.0001 | 1.51 | 0.85-2.68 | 0.159 | 2.75 | 1.61-4.71 | <0.0001 | 1.55 | 0.85-2.81 | 0.152 | 2.53 | 1.57-4.10 | <0.0001 | 1.31 | 0.76-2.25 | 0.332 |
| Deep stromal invasion (yes vs. no) | 2.59 | 1.40-4.81 | 0.003 | 0.94 | 0.48-1.84 | 0.852 | 2.67 | 1.43-4.96 | 0.002 | 0.87 | 0.44-1.75 | 0.706 | 3.06 | 1.69-5.54 | <0.0001 | 1.25 | 0.65-2.41 | 0.499 |
| LVSI (yes vs. no) | 2.45 | 1.50-4.02 | <0.0001 | 1.25 | 0.74-2.12 | 0.405 | 2.32 | 1.41-3.82 | 0.001 | 1.04 | 0.60-1.80 | 0.896 | 1.94 | 1.24-3.02 | 0.004 | 0.98 | 0.60-1.59 | 0.928 |
| Positive margins (yes vs. no) | 10.02 | 5.57-18.06 | <0.0001 | 3.21 | 1.65-6.24 | 0.001 | 11.00 | 6.04-20.08 | <0.0001 | 4.13 | 2.11-8.08 | <0.0001 | 8.85 | 4.82- 16.26 | <0.0001 | 2.77 | 1.40-5.45 | 0.003 |
| Positive nodes (yes vs. no) | 8.08 | 4.65- 14.06 | <0.0001 | 6.53 | 3.59-12.22 | <0.0001 | 7.80 | 4.45-13.64 | <0.0001 | 7.16 | 3.73-13.75 | <0.0001 | 5.23 | 3.28-8.35 | <0.0001 | 4.01 | 2.31-6.97 | <0.0001 |
| Positive parametrium (yes vs. no) | 8.89 | 4.74-16.51 | <0.0001 | 2.77 | 1.39-5.51 | 0.004 | 10.98 | 5.93-20.32 | <0.0001 | 3.04 | 1.54-5.98 | 0.001 | 8.85 | 4.82- 16.26 | <0.0001 | 3.49 | 1.80-6.77 | <0.0001 |
| Diabetes mellitus |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| No | Reference | Reference | Reference | Reference | Reference | Reference | Reference | Reference | Reference | Reference | Reference | Reference | Reference | Reference | Reference | Reference | Reference | Reference |
| HbA1c < 7% | 2.75 | 1.38-5.49 | 0.004 | 1.47 | 0.67-3.20 | 0.336 | 2.83 | 1.37-5.88 | 0.005 | 1.44 | 0.63-3.31 | 0.386 | 2.79 | 1.40-5.55 | 0.004 | 1.77 | 0.82-3.80 | 0.144 |
| HbA1c ≥ 7% | 5.87 | 3.54-9.74 | <0.0001 | 3.45 | 1.92-6.20 | <0.0001 | 6.65 | 3.97-11.16 | <0.0001 | 3.95 | 2.17-7.18 | <0.0001 | 7.38 | 4.61-11.80 | <0.0001 | 4.80 | 2.81-8.20 | <0.0001 |
| Hypertension (yes vs. no) | 1.60 | 0.99-2.60 | 0.056 | 1.52 | 0.91-2.53 | 0.107 | 1.67 | 1.02-2.76 | 0.043 | 1.64 | 0.98-2.75 | 0.060 | 1.56 | 0.98-2.48 | 0.061 | 1.46 | 0.90-2.38 | 0.127 |
| Cardiovascular disease (yes vs. no) | 1.14 | 0.49-2.63 | 0.758 |  |  |  | 0.96 | 0.38-2.37 | 0.923 |  |  |  | 0.97 | 0.42-2.22 | 0.941 |  |  |  |
| Metformin (yes vs. no) | 1.36 | 0.75-2.47 | 0.316 |  |  |  | 1.53 | 0.84-2.80 | 0.166 |  |  |  | 1.36 | 0.77-2.38 | 0.287 |  |  |  |

Abbreviation:CI, confidence interval; HR, hazard ratio; HbA1c, hemoglobin A1c; LVSI, lymphatic vascular space involvement;