|  | Univariate analysis | | | | Multivariable analysis | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Characteristic | N | OR1 | 95% CI2 | p-value | OR12 | 95% CI2 | p-value |
| Age | 10,326 |  |  |  |  |  |  |
| Below 50 |  | — | — |  | — | — |  |
| 50-60 |  | 0.99 | 0.94, 1.04 | 0.6 | 0.99 | 0.72, 1.38 | >0.9 |
| 60-70 |  | 0.92 | 0.88, 0.97 | 0.002 | 0.72 | 0.52, 1.00 | 0.046 |
| 70-80 |  | 0.86 | 0.82, 0.90 | <0.001 | 0.42 | 0.30, 0.59 | <0.001 |
| Above 80 |  | 0.78 | 0.74, 0.82 | <0.001 | 0.07 | 0.04, 0.12 | <0.001 |
| Tumor Size | 10,326 |  |  |  |  |  |  |
| <=1cm |  | — | — |  | — | — |  |
| 1cm-2cm |  | 0.96 | 0.90, 1.02 | 0.2 | 0.69 | 0.43, 1.16 | 0.15 |
| 2cm-3cm |  | 0.98 | 0.92, 1.04 | 0.4 | 0.83 | 0.52, 1.40 | 0.5 |
| 3cm-4cm |  | 0.97 | 0.92, 1.03 | 0.4 | 1.20 | 0.74, 2.00 | 0.5 |
| 4cm-5cm |  | 1.16 | 1.09, 1.23 | <0.001 | 3.69 | 2.28, 6.19 | <0.001 |
| Insurance Status | 10,326 |  |  |  |  |  |  |
| Not Insured |  | — | — |  | — | — |  |
| Private |  | 1.02 | 0.95, 1.09 | 0.5 | 1.33 | 0.83, 2.20 | 0.2 |
| Medicaid |  | 1.03 | 0.96, 1.10 | 0.5 | 1.23 | 0.74, 2.09 | 0.4 |
| Medicare |  | 0.94 | 0.88, 1.01 | 0.071 | 1.15 | 0.72, 1.91 | 0.6 |
| Other Government |  | 0.92 | 0.84, 1.01 | 0.086 | 0.69 | 0.34, 1.40 | 0.3 |
| Unknown |  | 0.94 | 0.85, 1.04 | 0.2 | 0.84 | 0.39, 1.77 | 0.6 |
| Charlson-Deyo Score | 10,326 |  |  |  |  |  |  |
| 0 |  | — | — |  | — | — |  |
| 1 |  | 0.99 | 0.98, 1.01 | 0.5 | 0.97 | 0.85, 1.10 | 0.6 |
| 2 |  | 0.99 | 0.96, 1.01 | 0.2 | 0.97 | 0.80, 1.16 | 0.7 |
| 3 |  | 0.94 | 0.91, 0.97 | <0.001 | 0.65 | 0.51, 0.82 | <0.001 |
| Grade | 10,326 |  |  |  |  |  |  |
| Well differentiated |  | — | — |  | — | — |  |
| Moderately differentiated |  | 1.03 | 1.00, 1.05 | 0.033 | 1.23 | 1.01, 1.51 | 0.039 |
| Poorly differentiated |  | 1.08 | 1.06, 1.11 | <0.001 | 1.56 | 1.28, 1.92 | <0.001 |
| Undifferentiated |  | 1.18 | 1.10, 1.26 | <0.001 | 2.31 | 1.45, 3.63 | <0.001 |
| Unknown |  | 1.04 | 1.01, 1.07 | 0.010 | 1.20 | 0.93, 1.55 | 0.2 |
| Pathology | 10,326 |  |  |  |  |  |  |
| Squamous |  | — | — |  | — | — |  |
| Adenocarcinoma |  | 1.01 | 0.99, 1.03 | 0.2 | 1.22 | 1.06, 1.40 | 0.005 |
| Other |  | 1.02 | 1.00, 1.05 | 0.022 | 1.15 | 0.97, 1.37 | 0.10 |
| Neuroendocrine | 10,326 |  |  |  |  |  |  |
| Other |  | — | — |  | — | — |  |
| Neuroendocrine |  | 1.13 | 1.08, 1.19 | <0.001 | 1.66 | 1.19, 2.31 | 0.003 |
| Visceral Pleural Invasion | 10,326 |  |  |  |  |  |  |
| Other |  | — | — |  | — | — |  |
| Present |  | 0.98 | 0.97, 1.00 | 0.010 | 1.50 | 1.27, 1.76 | <0.001 |
| Vascular Invasion | 10,326 |  |  |  |  |  |  |
| Absent |  | — | — |  | — | — |  |
| Present |  | 1.07 | 1.05, 1.09 | <0.001 | 1.44 | 1.25, 1.66 | <0.001 |
| Unknown |  | 1.02 | 0.99, 1.05 | 0.3 | 1.08 | 0.85, 1.36 | 0.5 |
| Margins | 10,326 |  |  |  |  |  |  |
| Zero |  | — | — |  | — | — |  |
| Positive |  | 1.09 | 1.04, 1.15 | 0.001 | 1.71 | 1.19, 2.43 | 0.003 |
| Other |  | 1.14 | 1.02, 1.27 | 0.020 | 2.05 | 0.97, 4.13 | 0.049 |
| Lymph\_Nodes\_Sampled |  |  |  |  |  |  |  |
| <10 |  |  |  |  | — | — |  |
| >=10 |  |  |  |  | 1.09 | 0.97, 1.22 | 0.2 |
| Unknown |  |  |  |  | 1.01 | 0.74, 1.36 | >0.9 |
| Excision\_less\_than1 |  |  |  |  |  |  |  |
| TRUE |  |  |  |  | — | — |  |
| FALSE |  |  |  |  | 0.98 | 0.81, 1.18 | 0.8 |
| 1OR=Odds Ratio | | | | | | | |
| 2CI = Confidence Interval, OR = Odds Ratio | | | | | | | |