**Table S1.** Univariate Cox analysis results of small cell lung cancer

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Variables | HR | 95% CI | P | SE | R2 |
| Age  Age0-49  Age50-54 | 1  0.98 | Reference  0.70-1.37 | 0.925 | 0.169 | 0.032 |
| Age55-59  Age60-64 | 1.05  1.18 | 0.76-1.43  0.88-1.60 | 0.782  0.274 | 0.159  0.154 |
| Age65-69  Age70-74 | 1.23  1.36 | 0.91-1.65  1.01-1.83 | 0.176  0.044 | 0.151  0.152 |  |
| Age75-79  Age80-84  Age>=85  Race  Black  White  Others  Sex  Female  Male  Grade  Grade I  Grade II  Grade III  Grade IV  Stage  IA  IB  II  IIA  IIB  III  IIIA  IIIB  IV  Stage T  T0  T1a  T1b  T2a  T2b  T2NOS  T3  T4  Stage N  N0  N1  N2  N3  Stage M  M0  M1a  M1b  M1NOS  Surgery of Primary Site  No surgery of primary site  Surgery on primary site  Whether or not the patient has surgery  No surgical  surgical  Size  <=30  >30,<=50  >50,<=100  >100  Extension  <=100  >100,<=300  >300,<=500  >500,<=999  Involvement of lymph Nodes  None  Lymphatic involvement  Metastasis  No metastasis  Distant metastasis  Cancer death  Alive or dead of other cause  Dead (attributable to this cancer)  Other Death  Alive or dead due to cancer  Dead (attributable to causes other than  this cancer)  Sequence number of primary tumors  One primary only  1st of 2 or more primaries  Total number of in situ/malignant tumors  1  2  3  Age of diagnosis  0-49  50-65  >=66  Marital status  Single (never married)  Married or partner  Separated, divorced or widowed  Lateral  Left, right, or unilateral  Bilateral  paired site or not a paired site | 1.54  1.80  2.35  1  1.19  1.52  1  1.23  1  0.99  2.28  2.64  1  1.55  1.13x101  1.38  1.20  5.55x10-6  1.51  1.74  3.90  1  0.69  1.09  1.04  1.15  0.87  1.15  1.32  1  1.16  1.53  1.55  1  2.02  2.85  2.98  1  0.36  1  0.83  1  1.25  1.34  1.66  1  1.16  1.16  1.27  1  1.48  1  2.69  1  9.47  1  1.46  1  0.56  1  0.67  8.052x10-7  1  1.10  1.45  1  0.94  1.08  1  2.34  0.80 | 1.13-2.08  1.30-2.49  1.63-3.39  Reference  0.97-1.46  1.09-2.12  Reference  1.10-1.36  Reference  0.36-2.73  1.02-5.09  1.18-5.90  Reference  0.94-2.55  1.55-82.38  0.90-2.12  0.72-1.99  0.00-inf  1.08-2.11  1.23-2.48  2.85-5.35  Reference  0.32-1.48  0.51-2.36  0.49-2.21  0.53-2.46  0.28-2.75  0.54-2.44  0.63-2.78  Reference  0.94-1.44  1.33-1.77  1.30-1.85  Reference  1.68-2.43  2.53-3.21  1.84-4.84  Reference  0.29-0.46  Reference  0.56-1.22  Reference  1.08-1.45  1.18-1.54  1.33-2.08  Reference  0.98-1.38  1.00-1.35  1.12-1.45  Reference  1.29-1.70  Reference  2.40-3.02  Reference  0.11-7.64  Reference  1.187-1.794  Reference  0.405-0.780  Reference  0.480-0.944  0-inf  Reference  0.828-1.459  1.101-1.919  Reference  0.801-1.099  0.918-1.279  Reference  0.970-5.636  0.414-1.537 | 0.006  0.400x10-3  4.850x10-6  0.096  0.014  0.1x10-3  0.988  0.045  0.018  0.086  0.017  0.143  0.493  0.986  0.016  0.002  <2.0x10-16  0.337  0.819  0.918  0.724  0.818  0.712  0.467  0.167  6.14x10-9  7.30x10-7  3.90x10-14  < 2x10-16  9.990x10-6  <2x10-16  0.346  0.002  1.310x10-5  1.030x10-5  0.094  0.051  0.300x10-3  2.060x10-8  < 2x10-16  < 2x10-16  0.300x10-3  0.001  0.022  0.983  0.512  0.008  0.427  0.341  0.058  0.500 | 0.155  0.166  0.187  0.105  0.169  0.054  0.517  0.411  0.410  0.254  1.013  0.220  0.261  679.8  0.171  0.180  0.161  0.394  0.393  0.383  0.390  0.586  0.382  0.381  0.108  0.073  0.089  0.093  0.061  0.247  0.119  0.198  0.074  0.068  0.115  0.089  0.076  0.066  0.070  0.059  0.109  0.105  0.167  0.172  6.71x102  0.144  0.142  0.081  0.085  0.449  0.335 | 0.003  0.008  0.014  0.161  0.021  0.024  0.161  0.054  0.001  0.016  0.008  0.019  0.157  0.348  0.006  0.008  0.006  0.016  0.003  0.002 |

HR, Hazard Ratio; inf, infinite; SE, standard error; R2, correlation coefficient; CI, confidence interval.