**Supplementary Table 3**

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| --- | --- |
| **Variables** | **Univariate Analysis** |
| ***P* Value** | **OR** | **95% CI** |
| Abnormal serum CEA levels | < 0.001\* | 19.394  | 5.533-67.975 |
| SUVmax of prime tumor | 0.035\* | 1.099  | 1.007-1.200 |
| Tumor attachment to the pleura | < 0.001\* | 15.556  | 6.232-38.828 |
| Tumor with SUVmax ≥ 2.5 and attachment to the pleura | < 0.001\* | 17.865  | 6.884-46.361 |
| Obstructive atelectasis or pneumonia | < 0.001\* | 10.822  | 3.533-33.147 |
| Pleural thickening ≥ 3 mm | < 0.001\* | 5.583  | 2.017-15.454 |
| Pleural thickening ≥ 10 mm | 0.005\* | 3.197  | 1.431-7.144 |
| Diffuse irregular pleural thickening  | 0.030\* | 3.237  | 1.121-9.350 |
| SUVmax of pleura | < 0.001\* | 1.933  | 1.483-2.521 |
| Pleural thickening ≥ 3 mm with SUVmax ≥ 2.5 | < 0.001\* | 11.977  | 4.872-29.443 |
| Pleural thickening ≥ 10 mm with SUVmax ≥ 2.5 | < 0.001\* | 7.793  | 3.464-17.531 |
| Focal pleural thickening ≥ 10 mm with SUVmax ≥ 2.5 | 0.001\* | 4.214  | 1.838-9.661 |
| Diffuse irregular pleural thickening with SUVmax ≥ 2.5 | 0.022\* | 3.845  | 1.216-12.160 |
| CT attenuation value of pleural effusion | 0.010\* | 1.099  | 1.023-1.181 |
| SUVmax of pleural effusion | < 0.001\* | 16.020  | 5.240-48.971 |
| SUVmax of hilar or mediastinal lymph node |  0.035 \* | 1.100  | 1.007-1.202 |

\* indicated statistically significant data.