**Supplementary Table 3. Chi-square test of the relation between RS and clinical features in GSE14520**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Clinical feature** | **RS** |  | **χ**2 | ***p*-value** |
|  | LR, *n* (%) | HR, *n* (%) |  |
| **Gender** |  | 0.0769 | 0.7815 |
| Male | 144 (86.75) | 45 (88.24) |  |
| Female | 22 (13.25) | 6 (11.76) |  |
| **Age** |  | 0.0695 | 0.7921 |
| <=65 | 151 (90.96) | 47 (92.16) |  |
| >65 | 15 (9.04) | 4 (7.84) |  |
| **ALT** |  | 0.8565 | 0.3547 |
| <=50 U/L | 100 (60.24) | 27 (52.94) |  |
| >50 U/L | 66 (39.76) | 24 (47.06) |  |
| **Main tumor size** |  | 8.875 | 0.0029 |
| <=5 cm | 116 (69.88) | 24 (47.06) |  |
| >5 cm | 50 (30.12) | 27 (52.94) |  |
| **Multi tumor** |  | 3.707 | 0.0542 |
| No | 135 (81.33) | 35 (68.63) |  |
| Yes | 31 (18.67) | 16 (31.37) |  |
| **Cirrhosis** |  | 0.3583 | 0.5495 |
| No | 12 (7.23) | 5 (9.80) |  |
| Yes | 154 (92.77) | 46 (90.20) |  |
| **Stage** |  | 16.12 | <0.0001 |
| I-II | 139 (83.73) | 29 (56.86) |  |
| III-IV | 27 (16.27) | 22 (43.14) |  |
| **BCLC stage** |  | 13.45 | 0.0002 |
| 0-A | 136 (81.93) | 29 (56.86) |  |
| B-C | 30 (18.07) | 22 (43.14) |  |
| **CLIP stage** |  | 6.717 | 0.0096 |
| <2 | 136 (81.93) | 33 (64.71) |  |
| >=2 | 30 (18.07) | 18 (35.29) |  |
| **AFP** |  | 1.832 | 0.1759 |
| <=300 ng/mL | 96 (57.83) | 24 (47.06) |  |
| >300 ng/mL | 70 (42.17) | 27 (52.94) |  |