**Table S2:** Clinicalcharacteristics of patients with HCC in total, training and test cohorts

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Total cohort (n=367)** | **Training cohort (n=257)** | **Test cohort (n=110)** | ***p* value** | **Method** |
| **Survival time (month)** | 69.24\* | 48.377 | 20.866 | 0.9371 | *t*-test |
| **Vital status** | | | | | |
| Alive | 237(64.57%) | 157(61.08%) | 80(72.72%) | 0.1041 | Fisher’s exact test |
| Dead | 130(35.43%) | 100(38.92%) | 30(27.28%) |  |  |
| **Age** | | | | | |
| ˂65 | 217(59.12%) | 148(57.58%) | 69(62.72%) | 0.661 | Fisher’s exact test |
| ≥65 | 150(40.87%) | 109(42.41%) | 41(37.27%) |  |  |
| **Sex** | | | | | |
| Female | 119(32.42%) | 87(33.85%) | 32 (29.09%) | 0.6812 | Fisher’s exact test |
| Male | 248(67.57%) | 170(66.14%) | 78(70.90%) |  |  |
| **Stage** | | | | | |
| I | 171(43.39%) | 121(47.08%) | 50(45.45%) | 0.8703 | Fisher’s exact test |
| II | 85(31.75%) | 54(21.01%) | 31(28.18%) |  |  |
| III | 83(25.05%) | 59(22.95%) | 24(21.81%) |  |  |
| IV | 4(1.08%) | 4(1.55%) | 0(0.00%) |  |  |
| Unknown | 24(6.53%) | 19(7.39%) | 5(4.54%) |  |  |
| **T** | | | | | |
| T1 | 181(49.31%) | 129(50.19%) | 52(47.27%) | 0.9838 | Fisher’s exact test |
| T2 | 92(25.06%) | 59(22.95%) | 33(30.00%) |  |  |
| T3 | 78(21.25%) | 57(22.17%) | 21(19.09%) |  |  |
| T4 | 13(3.54%) | 9(3.50%) | 4(3.63%) |  |  |
| Tx | 1(0.27%) | 1(0.38%) | 0(0.00%) |  |  |
| Unknown | 2(0.54%) | 2(0.77%) | 0(0.00%) |  |  |
| **N** | | | | | |
| N0 | 249(67.84%) | 172(72.32%) | 77(70.00%) | 0.8386 | Fisher’s exact test |
| N1 | 4(1.08%) | 3(25.20%) | 1(0.90%) |  |  |
| Nx | 113(30.79%) | 82 | 31(28.18%) |  |  |
| Unknown | 1(0.27%) | 0(2.47%) | 1(0.90%) |  |  |
| **M** | | | | | |
| M0 | 264(71.93%) | 186(72.37%) | 78(70.90%) | 0.9229 | Fisher’s exact test |
| M1 | 3(0.817%) | 3(1.16%) | 0(0.00%) |  |  |
| Mx | 100(27.24%) | 68(26.45%) | 32(29.09%) |  |  |
| \*Mean | | | | | |