**Table S1. Clinical and demographic information of HCC patients involved in the study**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Parameters | P3 | P7 | P11 | P21 | P6 | P34 | P35 | P37 |
| Gender | Male | Male | Male | Male | Male | Male | Male | Male |
| Operation date | 2017-11-14 | 2017-11-30 | 2017-12-12 | 2018-4-17 | 2017-11-28 | 2018-7-12 | 2018-7-17 | 2018-8-14 |
| Age | 58 | 52 | 60 | 62 | 55 | 58 | 38 | 54 |
| Smoking | No | No | No | Yes | Yes | No | Yes | Yes |
| Alcohol consumption | No | No | No | Yes | No | No | Yes | No |
| Hypertension | No | Yes | No | Yes | Yes | No | No | No |
| Diabetes | Yes | Yes | No | No | No | No | No | No |
| Family history | No | No | No | No | No | No | No | No |
| Viral hepatitis | HBV | HBV | HBV | HBV | HBV | HBV | HBV | HBV |
| HBV-DNA (IU/ml) | 5.41E+02 | 1.35E+04 | ＜2.00E+1 | 7.04E+02 | 4.92E+05 | ＜100 | 4.91E+04 | 2.19E+01 |
| AFP (ng/ml) | 2.19 | 10.6 | 17.11 | 419.92 | 186.1 | 0.8 | 10.857 | 1.677 |
| Cirrhosis | No | Yes | Yes | No | No | No | Yes | Yes |
| Tumor number | 1 | 2 | 1 | 4 | 2 | 1 | 1 | 1 |
| BLCL stage | A3 | A4 | A3 | B | A | A | A | A |
| Child-Pugh score | 5 | 5 | 7 | 5 | 5 | 5 | 5 | 5 |
| Recurrence | - | 2019-04-10 | 2020-01-20 | - | - | - | - | - |