

S. Table 1. Clinicopathological characteristics of patients in each cohort

| Group | Cohort 1 | Cohort 2 | Cohort 3 | Cohort 4 |
|---------------------|--------------------------|--------------------------|-------------------|-----------------|
| Tumor type | Hepatocellular Carcinoma | Hepatocellular Carcinoma | Bladder Carcinoma | Skin Melanoma |
| Number of patients | 28 | 442 | 413 | 479 |
| Sex (male) | 23(82.1%) | 255 (57.7%) | 305 (73.8%) | 299 (62.4%) |
| Age (years) | 54.8 ± 11.3 | 59.5 ± 13.5 | 68.1 ± 10.6 | 58.2 ± 15.7 |
| Height (cm) | -- | 185.8 ± 4.5 | 171.5 ± 11.5 | 167.9 ± 9.3 |
| Initial Weight (lb) | -- | 317.7 ± 288.9 | 79.4 ± 21.5 | 73.3 ± 17.2 |
| Race (white) | 0 (0%) | 187 (42.3%) | 327 (79.2%) | 447 (93.3%) |
| Diameter (cm) | 7.3 ± 3.5 | -- | -- | -- |
| Metastasis (+) | 2 (7.1%) | 101 (22.9%) | 217 (52.5%) | 61 (12.7%) |
| Recurrence (+) | 9 (32.1%) | 179 (40.5%) | 260 (63.0%) | 144 (30.1%) |
| OS (+) | 18 (64.3%) | 245 (55.4%) | 230 (55.7%) | 247 (51.6%) |
| AFP (ng/ml) | 159.9 ± 339.1 | 4112.9±15731.7 | -- | -- |

Abbreviations: OS, overall survival; DFS, disease-free survival.