**Table S2.** Multivariable Cox proportional hazard regression analysis of OS when including the interaction term of primary cancer site and the drug score

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Cutoff | Multivariable | |
| HR (95% CI) | *P* |
| ECOG PS | ≤1 | Reference | < 0.0001\* |
|  | ≥2 | 4.06 (2.44 to 6.76) |  |
| Primary cancer site | BUC only | Reference | 0.98 |
|  | UTUC or both | 0.99 (0.68 to 1.46) |  |
| Bone metastasis | No | Reference | 0.0077\* |
|  | Yes | 1.75 (1.16 to 2.65) |  |
| Liver metastasis | No | Reference | 0.0070\* |
|  | Yes | 1.77 (1.17 to 2.68) |  |
| Drug score | Good (0) | Reference | < 0.0001\* |
|  | Intermediate (1–2) | 1.18 (0.80 to 1.75) |  |
|  | Poor (3–4) | 3.21 (1.93 to 5.34) |  |
| Primary cancer site \* Drug score | – | – | 0.064\* |

BUC, bladder urothelial carcinoma; CI, confidence interval; ECOG PS, Eastern Cooperative Oncology Group Performance Status; HR, hazard ratio; OS, overall survival; UTUC, upper tract urothelial carcinoma

\*Statistically significant