

**Supplementary Table 1.** TNM staging of patients with second primary solid malignancy as a first event

Characteristic	Thyroid cancer (n = 64)	Lung cancer (n = 26)	Ovarian cancer (n = 8)	Cervix cancer (n = 7)	Endometrial cancer (n = 7)	Salpinx or peritoneal cancer (n = 4)	Gastric cancer (n = 16)	Pancreas cancer (n = 8)	Colorectal cancer (n = 23)	Hepatocellular carcinoma (n = 5)	Kidney cancer (n = 4)	Skin cancer (n = 1)
T stage												
Tis	0	0	0	2	0	0	-	-	-	-	-	1
T1	26	13	0	1	4	0	11	0	4	2	1	0
T2	0	4	1	2	0	1	2	2	3	0	0	0
T3	20	0	5	0	1	2	0	0	9	1	1	0
T4	0	1	0	0	1	0	1	0	2	0	0	0
Unknown	18	8	2	2	1	1	2	6	4	2	2	0
N stage												
N0	37	14	2	2	4	2	10	10	13	2	2	1
N1	9	1	4	3	1	1	1	1	3	1	0	0
N2	0	2	0	0	1	0	3	3	2	0	0	0
N3	0	1	0	0	0	0	0	0	0	0	0	0
Unknown	18	8	2	2	1	1	2	2	5	2	2	0
M stage												
M0	46	16	6	4	6	3	13	2	17	3	2	1
M1	1	3	0	1	0	1	3	3	2	0	0	0
Unknown	17	7	2	2	1	0	0	3	4	2	2	0
Stage												
Stage 0	0	0	0	2	0	0	-	-	-	-	-	1
Stage I	38	16	0	0	4	0	10	1	6	2	1	0
Stage II	8	0	2	2	0	1	3	1	7	0	0	0
Stage III	0	1	4	0	1	2	0	0	4	1	1	0
Stage IV	1	2	0	1	1	1	3	3	2	0	0	0
Unknown	17	7	2	2	1	0	0	3	4	2	2	0

Brain tumor and hematologic malignancy follow the other staging system.