

Table 3 Summary of long survival 4 patients with metastatic PPGL

Tumor type: number of cases	PCC: 2 and PGL: 2
Gender and Age	Male/Female: 2/2, Age: 25.6 (17-32)
Tumor size, mean	7cm
Metastatic organs: number of cases	bone: 3, lung: 3,
Metastatic type	synchronous: 1, metachronous: 3
Survival years after 1 st operation (mean)	22 years
Catecholamine types: number of cases	NE: 3, NE+DA: 1
Gene mutation: case examined	<i>SDHB</i> : 1 (<i>SDHB</i> c201-2A>C)
<i>SDHB</i> -IHC: cases	negative: 2 (50%), positive: 2
Ki67 labeling index (mean)	5.4%
GAPP score (mean)	6
GAPP grade of tumors of long survival patients (%)	low: 25%, intermediate:75%, high:0%