

Table 1 Summary of 35 patients with metastatic pheochromocytoma/paraganglioma

Tumor type: number of patients	Pheochromocytoma:20, paraganglioma:15
Gender and Age	Male/Female: 20/15, mean age (range): 34 (17-81)
Tumor size, mean	8.6 cm, range: (2.5-19)
Metastatic organs: number of cases	bone:15, lymph node: 9, liver: 9, lung: 8, pancreas: 1, retroperitoneum: 4, mediastinum: 2, spinal cord:1
Metastatic types	Synchronous: 18, metachronous: 17
Duration for metastasis after 1 st surgery: number of patients	4month - 5yrs: 11, 6 - 10yrs: 3, over 11 yrs: 4 Mean: 5 years, range (4m-19 y)
Catecholamine types (%)	E: 8 (23 %), NE:16 (46 %), NE+DA: 6 (17 %), Nonfunctional: 5 (14%)
Gene mutation, examined: cases	<i>SDHB</i> : 4, <i>NF1</i> : 1
<i>SDHB</i> -IHC: cases	negative:15 (43 %), positive: 17, not examined.: 3
Ki67 labeling index:	synchronous metastasis: 11%, metachronous metastasis: 7%, (P<0.05)
GAPP score (mean)	6
GAPP Score and Risk Stratification: % of cases	low: 12 %, moderate:41 %, high: 47 %

Abbreviations; E: epinephrine, NE: norepinephrine, DA: dopamine,
SDHB: succinate dehydrogenase, type B, *NF1*: neurofibromatosis type 1, n.e.: not examined,
 GAPP: Grading of Adrenal Pheochromocytoma and Paraganglioma, m: month, y: year,
 GAPP malignant grade: See Reference # 17