

Supplementary Table 3:

A Clinical characteristic of PPGL patients for discovery cohort, stratified by evidence of malignancy.

	N	Total cohort	Evidence of malignancy		P value
			Yes: 17	No: 18	
Sex (M/F)					
male		17	8	8	1.000
female		18	9	10	
Age at surgery (years)	35	49 (39 to 60)	51 (45 to 62)	44 (31 to 56)	0.142
Maximal tumor size (mm)	32	66 (45 to 83)	76 (49 to 91)	58 (45 to 71)	0.227
Body mass index	20	25.2 (23.2 to 29.8)	24.8 (22.7 to 28.6)	27.4(24.6 to 29.8)	0.571
SBP (mmHg)	15	130 (120 to 140)	137 (130 to 149)	123 (119 to 129)	0.098
DBP (mmHg)	15	80 (70 to 88)	84 (80 to 90)	74 (70 to 79.5)	0.191
Multifocal					
Yes	34	4	1	3	0.604
No		30	15	15	
Tumor location					
PCC: adrenal		20	8	12	0.415
PGL: head-neck		1	1	0	
PGL: thoracic	34	0	0	0	
PGL: abdominal		12	7	5	
PGL: pelvic		1	0	1	
Biochemical data					
24hr urinary normetanephrine (ug/day)	19	2523 (523 to 4828)	926 (273 to 3443)	4590 (1666 to 5480)	0.100
24hr urinary metanephrine (ug/day)	19	138 (101 to 623)	118 (80.2 to 155)	1000 (186.5 to 1300)	0.045
24hr urinary methoxytyramine (ug/day)	8	216 (161 to 1048)	216 (161 to 1048)	-	-
24hr urinary free norepinephrine (ug/day)	9	33 (29 to 589)	33 (27 to 211)	1737	-
24hr urinary free epinephrine (ug/day)	9	5 (3 to 7)	4 (2 to 7)	1330	-
24hr urinary free dopamine (ug/day)	11	246 (210 to 453)	241 (189 to 418)	976 (687 to 1264)	0.218
Biochemical phenotype					
Noradrenergic		13	8	5	0.670
Adrenergic	21	6	3	3	
Dopaminergic		2	2	0	
Nonfunctional		0	0	0	
DM					
Yes	6	2	2	-	-
No		4	4	-	-
Hypertension					
Yes	25	22	12	10	0.593
No		3	1	2	
Cardiovascular disease					
Yes	8	6	5	1	-
No		2	2	-	
Tumor mutation status					
Wildtype		1	0	1	0.015
SDHA		0	0	0	
SDHB		8	6	2	
SDHC		1	0	1	
SDHD		1	1	0	
VHL	18	0	0	0	
EPAS1		0	0	0	
RET		4	0	4	
NF1		2	2	0	
TMEM127		0	0	0	
MAX		0	0	0	
HRAS		1	1	0	
IHC data					
IHC data of SDHB					
Average marker intensity	33	0.71 (0.49 to 1.06)	0.63 (0.37 to 0.73)	0.99 (0.76 to 1.18)	0.007
High marker area %	33	0.79 (0.00 to 9.18)	0.25 (0.00 to 0.82)	8.37 (0.86 to 17.2)	0.009
IHC data of SDHA					
Average marker intensity	33	1.06 (0.98 to 1.47)	1.12 (0.99 to 1.48)	1.01 (0.97 to 1.35)	0.704
High marker area %	33	21.8 (13.4 to 46.1)	23.3 (13.4 to 47.8)	15.6 (11.3 to 36.5)	0.789