

	Surgery Age	Sex	Clinical Presentation	Genetic Mutation	Metanephrine and catecholamines plasmatic and urinary	Imaging	Mass Size and localization	Surgery	FU
Patient n°1	32 yrs	F	Hypertension and migraine in MEN2B	RET	POSITIVE	Enhanced CT DOTATOC	20 x 30 mm inter-aortocaval PGL	VLS mass excision	Died after 3 years for metastases
Patient n°2	42 yrs	M	Hypertension resistant to medicament	/	POSITIVE	Enhanced CT DOTATOC	30 mm + 30 mm bilateral peri-caval PGL under the renal vein	Explorative laparotomy: cytoreductive surgery	Died after 8 years for metastases
Patient n°3	56 yrs	M	Abdominal Pain	/	NEGATIVE	US Enhanced CT MIBG	40x35x38 mm Zuckermandl organ	VLS mass excision	Negative after 10 yrs
Patient n°4	49 yrs	M	Hypertension	/	POSITIVE	Enhanced CT DOTATOC	20 x 20 left PHEO and 25x25 mm right retroperitoneal PGL	PGL Laparotomic excision and left adrenalectomy	Negative after 10 yrs
Patient n°5	35 yrs	F	Familial screening	SDHD mutation	NEGATIVE	Enhanced CT Enhanced MRI DOTATOC	30 mm abdominal PGL+ 20 mm neck PGL	VLS mass excision and cervicotomy	Negative after 10 yrs
Patient n°6	44 yrs	M	VHL-syndrome	/	POSITIVE	Enhanced MRI DOTATOC	27x23 mm para-aortic PGL	VLS mass excision	Negative after 1 yrs
Patient n°7	56 yrs	F	Cancer FU	/	POSITIVE	Enhanced CT Enhanced MRI DOTATOC	60 x 30 mm para-aortic PGL	Laparotomic excision	Negative after 1 yrs
Patient n°8	30 yrs	F	VHL-syndrome	RET	POSITIVE	Enhanced CT Enhanced MRI DOTATOC	50 x30 mm Peri-caval under left renal vein	Laparotomic excision	Negative after 5 yrs

Patient n°9	69 yrs	F	Hypertension and headache	/	POSITIVE	Enhanced CT Enhanced MRI DOTATOC	45 mm Left Para-aortic abdominal PGL	Laparotomic excision	Negative after 5 yrs
Patient n°10	53 yrs	F	Abdominal Pain	/	NEGATIVE	Enhanced MRI MIBG	60 x 20 mm Peri-caval PGL	Laparotomic excision	Negative after 3 yrs
Patient n°11	51 yrs	M	Familial screening	SDHD mutation	POSITIVE	Enhanced MRI DOTATOC	42x36x42 mm Peri-caval above the right renal vein PGL	Laparotomic excision	Negative after 1 yrs
Patient n°12	46 yrs	F	Cancer FU	/	NEGATIVE	Enhanced CT DOTATOC	50 mm retroperitoneal peri-adrenal PGL	Lombotomic Excision	Negative after 1 yrs
Patient n°13	39 yrs	F	Abdominal pain	/	NEGATIVE	US Enhanced MRI DOTATOC	48 x 23 Zuckerkindl organ	Laparotomic excision	Negative after 8 years

Table S1: Clinical features and management of each patient included in the study.