

Supplemental Table 1: ACTH and cortisol levels during 250 µg ACTH stimulation test.

Patients ID	Treatment	ACTH (ng/L)	Basal cortisol (µg/dL)	Cortisol 30' (µg/dL)	Cortisol 60' (µg/dL)
# 1	LEN	39.9	16.4	24	26.7
# 2	VAN	12.6	5.7	13.3	15.7
# 3	LEN	194	15.7	17.1	17.5
# 4	LEN	88	14	22.2	27.2
# 5	LEN	89	12	14.8	16.1
# 7	LEN	40	19.9	21.8	24.2
# 8	LEN	183	12.5	13.4	13.8
# 9	VAN	160	11.8	11.6	11.7
# 10	LEN	188	14.9	17.1	17.9
# 13	VAN	343	8.7	9.6	9.5
# 15	LEN	22	11.1	17.8	22.7
# 16	LEN	38	21.4	26.2	29.5
# 18	LEN	55	18.7	21.3	23.2
# 19	LEN	81	13.5	15.1	15.8
# 20	LEN	52	17.1	26.7	26.4
# 21	LEN	100	19.3	21.1	21.8
# 22	LEN	43	8.3	16.9	19.1
# 23	SELP	62	15	20.3	20.8
# 24	LEN	182	10.6	11.4	13.4
# 25	VAN	80	16.4	21	23.1
# 26	VAN	11	13.8	20.8	23.8
# 27	LEN	70	14.8	20.05	20.05
# 29	VAN	75	13.1	23.2	28.9
# 30	LEN	150	4.6	7	7.8
# 31	LEN	48	13.1	19.2	19.1
# 33	SELP	41	11.5	15.6	20

Legend: LEN. Lenvatinib; VAN. Vandetanib; SELP. Selpercatinib; In **bold** the patients who did not respond to ACTH stimulation test according to new cortisol cut-off proposed in case of more sensitive analytic methods (stimulated cortisol < 15 µg/dL; Ueland et al., J Clin Endocrinol Metab 2018; Javorsky et al., J Endocr Soc 2021; Birtolo et al., Biomedicines 2023);