

**Supplementary table S1. Detailed pharmacological therapy of patients with CAH21OHD**

Patient	Age	Sex	Phenotype	BMI (kg/m <sup>2</sup> )	Therapy	Dose (H/m <sup>2</sup> )	Andro (ng/mL)
1	19	f	sw	28.78	HC + DXM + F	9.45	-
2	19	f	sw	27.18	HC + DXM + F	9.73	1.36
3	20	f	sw	21.84	HC + DXM + F	9.20	1.81
4	29	f	sw	19.41	HC + DXM + F	15.19	1.38
5	27	f	sw	20.55	PRED + F	15.36	1.09
6	20	f	sw	24.09	HC + DXM + F	16.28	1.70
7	22	f	sv	24.15	PRED	12.00	1.17
8	19	f	sv	16.95	HC + DXM + F	12.43	0.43
9	25	f	sv	33.24	HC + DXM	7.60	0.12
10	23	f	sw	22.30	HC + F	23.58	0.12
11	30	f	sv	26.88	HC + DXM	11.08	2.29
12	18	f	sv	29.34	PRED	19.78	5.01
13	23	f	sw	24.93	HC + DXM	8.59	4.74
14	24	f	sv	33.94	HC + DXM + F	8.89	4.94
15	24	f	sv	26.67	PRED	19.28	3.30
16	29	m	sv	32.72	HC + DXM	8.99	0.96
17	28	m	sv	25.89	PRED	15.68	0.66
18	18	m	sv	22.70	HC + DXM + F	10.61	1.98
19	25	m	sw	18.49	HC + DXM + F	12.72	1.54
20	26	m	sv	24.17	HC + DXM	9.71	1.63
21	18	m	sw	25.08	HC + DXM + F	13.22	2.97
22	23	m	sv	29.35	PRED	16.73	8.74

HC, hydrocortisone; DXM, dexamethasone; PRED, prednisone; SW, salt wasting; SV, simple virilizing; Andro, androstenedione; F, fludrocortisone

**Supplementary table S2. Characteristics of patients according to vector position on tolerance ellipses based on a healthy reference population**

Female								
	Patient	Weight (kg)	BMI (kg/m <sup>2</sup> )	LST (kg)	%FM	LSTI	Xc/H (Ω/m)	R/H (Ω/m)
Vectors outside 75% to the left of the major axis	15	60.4	26.67	40.1	29.3	17.7	38.5	300.3
	12	61.1	29.34	34.4	40.3	16.5	53.4	369.4
	11	67.1	26.88	38.4	39.3	15.4	57.0	380.4
	1	68.7	28.78	40.1	38.7	16.8	58.3	392.9
	7	63.0	24.15	35.4	39.7	13.4	58.9	460.7
Vectors outside 75% to the right of the major axis	4	48.1	19.41	26.6	41.0	10.7	48.3	436.5
	5	44.1	20.55	29.2	30.7	13.5	51.2	458.7
	3	54.8	21.84	33.5	35.0	13.3	51.8	462.1
	8	44.2	16.95	29.6	30.2	11.3	45.8	468.7
Vectors within 75% of tolerance	2	62.8	27.18	33.7	43.3	14.6	46.7	380.3
	6	52.4	24.09	35.3	29.0	16.2	47.5	385.1
	10	50.5	22.30	32.7	31.3	14.4	43.2	370.8
	14	91.5	33.94	42.5	50.1	15.8	42.6	352.6
	13	69.7	24.93	42.1	36.0	15.1	41.3	361.2
	9	73.0	33.24	39.2	43.9	17.8	38.5	326.6
Male								
	Patient	Weight (kg)	BMI (kg/m <sup>2</sup> )	LST (kg)	%FM	LSTI	Xc/H (Ω/m)	R/H (Ω/m)
Vectors outside 75% to the left of the minor axis	20	65.0	24.17	51.4	18.5	19.0	40.1	256.5
	16	74.5	32.72	43.7	37.9	19.2	49.7	298.2
	17	77.5	25.89	50.8	31.0	17.0	50.8	309.5
Vectors outside 75% to the right of the major axis	19	44.7	18.49	35.2	16.6	14.6	55.3	421.9
	18	50.4	22.70	29.4	37.7	13.2	55.7	437.6
Vectors within 75% of tolerance	21	69.5	25.08	42.2	36.0	15.2	42.6	333.9
	22	75.6	29.35	53.0	27.9	20.6	34.9	251.1

LST, lean soft tissue; FM, fat mass; LSTI, lean soft tissue index; Xc/H, reactance/height; R/H, resistance/height.