

Supplemental Data

Supplemental Table 1: Preoperative biochemical and clinical data of included patients.

N: number of observations; F: female; M: male; PA: primary aldosteronism. Categorical values are reported as number (percentage) and quantitative values are reported as median (interquartile range).

Supplemental Table 2:

Results of serum cortisol and plasma aldosterone measurements for case 1 and case 2 during adrenal vein sampling.

Supplemental Fig. 1:

Cross-sectional imaging by MRI.

Arrows indicate the affected left adrenal in case 1 (upper picture) and right adrenal in case 2 (lower picture).

Supplemental Table 1:

Preoperative biochemical and clinical data of included patients.

Parameters	N	Value
Gender, F/M, %	122	46% / 54%
Age at onset of hypertension, years	122	40 (34 - 47)
Age at adrenalectomy, years	122	51 (44 - 59)
Duration of hypertension before adrenalectomy, years	122	10 (3 - 16)
Systolic blood pressure, mm Hg	122	150 (141 - 164)
Diastolic blood pressure, mm Hg	122	101 (92 - 113)
Baseline Plasma Aldosterone, pg/mL	122	239 (163 - 383)
Baseline Plasma Renin Activity, mU/L	122	3.1 (2 - 7.9)
Baseline Aldosterone-to-renin ratio, pg/mL/mU/L	122	68 (28-136)
Nadir Serum Potassium, mmol/L	114	3.1 (2.6 - 3.1)
PA-cases with clinical evidence of overt Cushing's syndrome	122	0%
PA-cases with at least one biochemical test of hypercortisolism: A = 24h urinary free cortisol > 150 µg/24h B = Late-night salivary cortisol > 1.8 ng/mL C = Serum cortisol > 1.8 µg/dL after overnight 1mg Dexamethasone	122	45 (36.9%)
PA-cases with A or B or C	45	28 (62.2%)
PA-cases with A and B or C	45	13 (28.9%)
PA-cases with A and B and C	45	4 (8.9%)

Supplemental Table 2:

Results of serum cortisol and plasma aldosterone measurements for case 1 and case 2 during adrenal vein sampling.

Adrenal Vein Sampling	Case1 p.His88Asp	Case 2 p.Leu206Arg
Left adrenal vein		
Serum Cortisol (C), µg/dL	19.3	33.2
Plasma Aldosterone (A), pg/mL	16493	235
Aldosterone/Cortisol (A/C)	854.6	7.1
Right adrenal vein		
Serum Cortisol (C), µg/dL	9	112.9
Plasma Aldosterone (A), pg/mL	35	5805
Aldosterone/Cortisol (A/C)	3.9	51.4
Inferior vena cava (IVC)		
Serum Cortisol (C), µg/dL	13.6	4.8
Plasma Aldosterone (A), pg/mL	704	47
Aldosterone/Cortisol (A/C)	51.8	9.8
Lateralization Index		
Ipsilateral gland	Left adrenal	Right adrenal
$A/C_{\text{ipsilateral}} / A/C_{\text{contralateral}}$	24.2	7.3
Marker of contralateral gland suppression		
$A/C_{\text{contralateral}} / A/C_{\text{IVC}}$	0.08	0.7

Supplemental Fig. 1:

Cross-sectional imaging by MRI.

case 1
(p.His88Asp)



case 2
(p.Leu206Arg)

