### Table 1S  Biochemical results before and after adrenalectomy<sup>ab</sup>.

<table>
<thead>
<tr>
<th></th>
<th>All patients (n = 30)</th>
<th>F-DST (μg/dl) &lt; 1.8 (n = 22)</th>
<th>1.8 ≤ F-DST (μg/dl) &lt; 3.0 (n = 8)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Before</td>
<td>After</td>
<td>Before</td>
</tr>
<tr>
<td>Fast plasma glucose (mg/dl)</td>
<td>87.5 [83.0–96.0]</td>
<td>88.0 [84.0–98.0]</td>
<td>89.0 [83.0–98.0]</td>
</tr>
<tr>
<td>P-value</td>
<td>0.621</td>
<td>0.858</td>
<td>0.527</td>
</tr>
<tr>
<td>Triglyceride (mg/dl)</td>
<td>73.5 [57.5–95.5]</td>
<td>82.0 [59.0–111.0]</td>
<td>77.5 [62.5–95.5]</td>
</tr>
<tr>
<td>P-value</td>
<td>0.360</td>
<td>0.248</td>
<td>0.933</td>
</tr>
<tr>
<td>HDL cholesterol (mg/dl)</td>
<td>55.5 [45.5–63.0]</td>
<td>52.0 [43.0–63.0]</td>
<td>53.0 [44.0–62.0]</td>
</tr>
<tr>
<td>P-value</td>
<td>0.936</td>
<td>0.647</td>
<td>0.933</td>
</tr>
<tr>
<td>LDL cholesterol (mg/dl)</td>
<td>104.0 [86.5–127.0]</td>
<td>118.0 [101.0–126.0]</td>
<td>110.5 [90.5–137.5]</td>
</tr>
<tr>
<td>P-value</td>
<td>0.657</td>
<td>0.744</td>
<td>0.936</td>
</tr>
<tr>
<td>Total cholesterol (mg/dl)</td>
<td>176.0 [160.0–201.0]</td>
<td>196.0 [184.0–203.0]</td>
<td>176.0 [160.0–210.0]</td>
</tr>
<tr>
<td>P-value</td>
<td>0.485</td>
<td>0.865</td>
<td>0.936</td>
</tr>
<tr>
<td>P-value</td>
<td>0.007</td>
<td>0.003</td>
<td>0.007</td>
</tr>
<tr>
<td>P-value</td>
<td>0.095</td>
<td>0.097</td>
<td>0.095</td>
</tr>
<tr>
<td>LVMI g/m²</td>
<td>106.7 [92.0–123.2]</td>
<td>89.9 [76.0–101.0]</td>
<td>111.6 [96.1–125.9]</td>
</tr>
<tr>
<td>P-value</td>
<td>&lt;0.001</td>
<td>&lt;0.001</td>
<td>&lt;0.001</td>
</tr>
</tbody>
</table>

Abbreviations: F-DST, serum cortisol levels during the 1-mg dexamethasone suppression test (before adrenalectomy); LDL, low-density lipoprotein; HDL, high-density lipoprotein; baPWV, brachial-ankle pulse wave velocity; LVMI, left ventricular mass index.

Conversion to SI units: Fasting plasma glucose, mg/dl × 0.056 for mmol/l; Triglycerides, mg/dl × 0.011 for mmol/l; HDL-cholesterol, mg/dl × 0.026 for mmol/l; LDL-cholesterol, mg/dl × 0.026 for mmol/l; Total cholesterol, mg/dl × 0.026 for mmol/l.

<sup>a</sup> Data are presented as median [interquartile range] unless otherwise indicated.

<sup>b</sup> Blood samples were collected at 8:00 am after the patients had rested supine for 30 min.

<sup>c</sup> baPWV was expressed as a mean of right and left ones.
Table 2S Results of adrenal venous sampling of a 50-year-old female patient with APA (pre-F-DST: 1.9 μg/dl and post-F-DST: 0.5 μg/dl).

<table>
<thead>
<tr>
<th></th>
<th>Right adrenal vein</th>
<th>Left adrenal vein</th>
<th>LR</th>
<th>Affected Side</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Central Venous</td>
<td>Superior branch</td>
<td>Lateral branch</td>
<td>Inferior branch</td>
</tr>
<tr>
<td>PAC (ng/dl)</td>
<td>3570</td>
<td>3590</td>
<td>1570</td>
<td>476</td>
</tr>
<tr>
<td>Cortisol (μg/dl)</td>
<td>1050</td>
<td>889</td>
<td>844</td>
<td>370</td>
</tr>
</tbody>
</table>

Abbreviations: PAC, plasma aldosterone concentration; LR, lateralization ratio

Conversion to SI units: PAC, ng/dl × 27.7 for pmol/l; F, μg/dl × 27.6 for nmol/l

After ACTH stimulation, blood samples were collected from the superior, lateral, and inferior branches of the right central adrenal vein and the superior and lateral branches of the left central adrenal vein, in addition to the bilateral central adrenal veins.

Fig. 1S Haematoxylin and eosin (H & E) stain and immunoreactivity of CYP17A1, CYP11B1, and CYP11B2 in the resected adrenal adenoma of a 50-year-old female patient with APA (pre-F-DST: 1.9 μg/dl and post-F-DST: 0.5 μg/dl). DHEA-ST immunoreactivity in the adjacent adrenal cortex is also shown. APA: Aldosterone-producing adenoma; F-DST: Serum cortisol levels (μg/dl, × 27.6 for nmol/l) during the 1 mg dexamethasone suppression test; DHEA-ST: Dehydroepiandrosterone sulfotransferase.