

Supplemental Table S2. Changes in Clinical Parameters after Endoscopic Transsphenoidal Surgery for Acromegaly in Patients Diagnosed with OSA at Baseline (REI \geq 5/hour, $n=24$)

Parameter	Before surgery	After surgery	Median of difference (95% CI) ^a	P value
REI, /hr	19.6 (12.1–27.9)	4.9 (3.2–9.9)	–14.4 (–19.4 to –9.9)	<0.001
Supine REI, /hr	29.8 (15.6–41.3)	11.9 (4.9–16.6)	–17.4 (–25.6 to –11.2)	<0.001
ODI, /hr	20.0 (12.8–29.2)	5.7 (3.1–9.3)	–14.8 (–19.1 to –10.1)	<0.001
Supine ODI, /hr	32.2 (15.8–41.1)	10.0 (4.2–19.8)	–18.5 (–25.8 to –11.2)	<0.001
TS90, min	5.8 (1.2–24.9)	0.5 (0.0–4.4)	–9.2 (–20.0 to –2.4)	0.001
TS90, %	1.2 (0.3–5.6)	0.1 (0.0–1.3)	–2.7 (–5.8 to –0.7)	0.002
Mean SpO ₂ , %	94.7 (93.1–95.7)	95.7 (95.0–96.8)	1.2 (0.8 to 1.6)	<0.001
Lowest SpO ₂ , %	83.0 (74.0–87.0)	87.5 (83.5–90.0)	5.0 (3.0 to 7.0)	<0.001
Mean apnea duration, sec	21.8 (18.0–25.6)	21.5 (15.2–29.6)	–1.1 (–6.2 to 3.9)	0.673
Longest apnea duration, sec	40.9 (32.6–50.6)	32.5 (20.6–48.5)	–6.7 (–16.9 to 2.2)	0.079
Epworth Sleepiness Scale	7 (4–10)	6 (5–8)	–1 (–4 to 1)	0.321
Weight, kg	71.0 (60.5–79.6)	69.8 (61.0–79.2)	–0.3 (–1.6 to 1.0)	0.539
Neck circumference, cm	37.0 (34.0–40.2)	36.0 (33.0–38.5)	–1.0 (–1.7 to –0.5)	0.003
TSH, μ IU/mL	1.0 (0.7–1.6)	1.1 (0.7–2.1)	0.1 (–0.2 to 0.8)	0.390
Free T4, ng/dL	1.1 (1.1–1.2)	1.2 (1.1–1.3)	0.04 (–0.02 to 0.1)	0.153
GH, ng/mL	15.2 (5.1–30.0)	0.3 (0.1–1.1)	–16.8 (–24.9 to –10.0)	<0.001
Nadir GH during OGTT, ng/mL	6.2 (3.0–19.4)	0.1 (0.1–0.4)	–10.0 (–14.5 to –4.6)	<0.001
IGF-1, ng/mL	632.5 (530.0–856.5)	188.5 (134.0–234.0)	–466.5 (–598.0 to –362.5)	<0.001
IGF-1, \times ULN	2.2 (1.6–2.6)	0.6 (0.5–0.8)	–1.6 (–2.0 to –1.2)	<0.001

Values are expressed as median (interquartile range). P value from Wilcoxon signed-rank test.

OSA, obstructive sleep apnea; REI, respiratory event index; CI, confidence interval; ODI, oxygen desaturation index; TS90, sleep time spent with oxygen saturation <90%; SpO₂, oxygen saturation; TSH, thyroid-stimulating hormone; T4, thyroxine; GH, growth hormone; OGTT, oral glucose tolerance test; IGF-1, insulin-like growth factor 1; ULN, upper limit of normal.

^aMedian difference (95% CI) from the Hodges-Lehmann estimator.