

Supplementary Table 1. Multivariate logistic regression for STOP-Bang variables predicting OSA

Criteria	STOP		STOP-Bang		Modified STOP-Bang	
	Exp (95% range)	p-value	Exp (95% range)	p-value	Exp (95% range)	p-value
AHI > 5						
Snoring	3.20 (2.17–4.72)	< 0.001	2.95 (1.98–4.40)	< 0.0001	3.07 (2.05–4.59)	< 0.001
Tiredness	0.68 (0.37–1.24)	0.209	0.71 (0.38–1.31)	0.275	0.65 (0.35–1.21)	0.176
Observed apnea	5.15 (3.45–7.68)	< 0.001	4.32 (2.84–6.57)	< 0.001	4.29 (2.82–6.55)	< 0.001
Blood pressure	2.46 (1.62–3.73)	< 0.001	2.11 (1.35–3.29)	0.001	1.96 (1.25–3.06)	0.003
BMI > 35 kg/m ²			3.17 (0.68–14.78)	0.141		
NC > 40 cm			1.36 (0.91–2.06)	0.138		
Age > 50 years			2.70 (1.43–5.10)	0.002	1.52 (1.00–2.30)	0.050
Gender (male)			1.74 (1.13–2.68)	0.012	0.99 (0.57–1.71)	0.964
BMI > 30 kg/m ²					2.20 (1.12–4.29)	0.021
NC > 36.6 cm					2.76 (1.66–4.60)	< 0.001
AHI > 15						
Snoring	2.35 (1.69–3.29)	< 0.001	2.10 (1.48–2.96)	< 0.001	2.19 (1.55–3.09)	< 0.001
Tiredness	0.84 (0.50–1.42)	0.516	0.84 (0.49–1.43)	0.519	0.79 (0.46–1.36)	0.403
Observed apnea	4.45 (2.95–6.72)	< 0.001	3.72 (2.42–5.72)	< 0.001	3.62 (2.35–5.56)	< 0.001
Blood pressure	2.42 (1.73–3.40)	< 0.001	2.20 (1.53–3.17)	< 0.001	2.06 (1.43–2.97)	< 0.001
BMI > 35 kg/m ²			3.01 (1.05–8.61)	0.040		
NC > 40 cm			1.12 (0.78–1.59)	0.547		
Age > 50 years			2.70 (1.72–4.23)	< 0.001	1.22 (0.85–1.74)	0.283
Gender (male)			1.53 (1.01–2.30)	0.043	0.97 (0.58–1.65)	0.921
BMI > 30 kg/m ²					2.43 (1.49–3.98)	< 0.001
NC > 36.6 cm					2.42 (1.52–3.85)	< 0.001

STOP-Bang: snoring, tiredness, observed apnea, high blood pressure, BMI, age, neck circumference, and gender; OSA: obstructive sleep apnea, AHI: apnea-hypopnea index, BMI: body-mass index, NC: neck circumference, Exp: exponent of the log odds.