

Supplementary Table 1. The difference between narrower and wider nasopharyngeal width group in age, tonsil grade, and adenoid grade

Variable	Mean±SD	P-value
Age (yr)		0.110
Narrower	5.98±2.00	
Wider	5.46±1.62	
Tonsil grade		0.712
Narrower	3.49±0.66	
Wider	3.45±0.70	
Adenoid grade		0.253
Narrower	2.89±0.90	
Wider	3.08±0.94	

Narrower, n=57; wider, n=76.
SD, standard deviation.

Supplementary Table 2. Comparison of upper airway obstruction symptoms at 1 month and 1 year after adenotonsillectomy for each tonsil grade in children with sleep-disordered breathing

Time of postoperative assessment	Tonsil grade 2 (n=14)		Tonsil grade 3 (n=43)		Tonsil grade 4 (n=76)	
	Mean±SD	P-value	Mean±SD	P-value	Mean±SD	P-value
Total KOSA-18 score		0.919		0.210		0.073
1 Month	39.07±10.90		35.56±9.51		36.13±12.90	
1 Year	38.71±16.34		33.09±9.51		33.50±10.46	
Snoring score		0.525		0.229		0.126
1 Month	2.21±1.12		1.63±0.618		1.86±1.17	
1 Year	1.93±1.07		1.51±0.668		1.62±0.67	
Apnea score		0.525		0.229		0.126
1 Month	2.21±1.12		1.63±0.618		1.86±1.17	
1 Year	1.93±1.07		1.51±0.668		1.62±0.67	
Mouth breathing score		0.525		0.229		0.126
1 Month	2.21±1.12		1.63±0.618		1.86±1.17	
1 Year	1.93±1.07		1.51±0.668		1.62±0.67	

SD, standard deviation; KOSA-18, Korean version of the Obstructive Sleep Apnea-18 questionnaire.

Supplementary Table 3. Comparison of upper airway obstruction symptoms at 1 month and 1 year after adenotonsillectomy for each adenoid grade in children with sleep-disordered breathing

Time of postoperative assessment	Adenoid grade 1 (n=8)		Adenoid grade 2 (n=32)		Adenoid grade 3 (n=45)		Adenoid grade 4 (n=48)	
	Mean±SD	P-value	Mean±SD	P-value	Mean±SD	P-value	Mean±SD	P-value
Total KOSA-18 score		0.011*		0.956		0.506		0.031*
1 Month	39.88±13.81		36.22±12.17		35.87±12.32		36.04±10.56	
1 Year	29.13±8.63		36.38±10.79		34.78±13.85		32.27±7.62	
Snoring score		0.217		0.572		0.878		0.068
1 Month	2.13±1.55		1.84±0.95		1.64±0.88		1.92±1.11	
1 Year	1.50±0.76		1.72±0.73		1.62±0.75		1.56±0.71	
Apnea score		0.217		0.572		0.878		0.068
1 Month	2.13±1.55		1.84±0.95		1.64±0.88		1.92±1.11	
1 Year	1.50±0.76		1.72±0.73		1.62±0.75		1.56±0.71	
Mouth breathing score		0.217		0.572		0.878		0.068
1 Month	2.13±1.55		1.84±0.95		1.64±0.88		1.92±1.11	
1 Year	1.50±0.76		1.72±0.73		1.62±0.75		1.56±0.71	

SD, standard deviation; KOSA-18, Korean version of the Obstructive Sleep Apnea-18 questionnaire.

*P<0.05.