

**Table S1**—Association of polysomnography parameters and individual perioperative and postoperative complications.

<b>PSG Parameters</b>	<b>AHI</b>	<b>OAH1</b>	<b>OAI</b>	<b>ODI</b>	<b>Lowest SaO<sub>2</sub> (%)</b>	<b>%TST O<sub>2</sub> &lt; 90%</b>	<b>Peak ETCO<sub>2</sub> (mmHg)</b>	<b>%TST ETCO<sub>2</sub> &gt; 50 mmHg</b>
<b>Intraoperative period</b>								
<i>Intubation Attempts</i>								
1 (n = 120)	31.61 ± 25.86	30.81 ± 25.74	10.13 ± 15.99	16.00 ± 19.71	79.17 ± 12.22	4.30 ± 10.31	57.40 ± 26.22	2.84 ± 8.44
2 (n = 15)	29.21 ± 21.81	28.82 ± 21.71	6.76 ± 6.78	9.89 ± 11.28	81.00 ± 10.54	5.932 ± 19.71	48.33 ± 6.30	0.34 ± 0.94
3 (n = 6)	33.09 ± 12.62	32.11 ± 12.65	11.50 ± 9.40	27.23 ± 17.57	68.00 ± 15.23	9.50 ± 10.97	63.75 ± 14.84	32.30 ± 40.11
4 (n = 1)	25.03	24.59	1.77	26.5	70.00	6.00	N/A	N/A
<i>P</i>	> .100	> .100	> .100	> .100	> .100	> .100	> .100	< .001
<i>Supraglottic Obstruction</i>								
No (n = 139)	31.13 ± 25.46	30.41 ± 25.35	9.57 ± 14.98	15.38 ± 18.96	79.55 ± 11.62	4.24 ± 11.21	3.69 ± 11.98	56.46 ± 24.45
Yes (n = 7)	29.68 ± 18.79	29.27 ± 18.89	10.64 ± 18.62	17.63 ± 18.85	72.43 ± 19.93	8.71 ± 13.93	1.13 ± 1.96	53.67 ± 10.21
<i>P</i>	> .100	> .100	> .100	> .100	> .100	> .100	> .100	> .100
<b>Immediate postoperative period</b>								
<i>Need for Supplemental Oxygen During Recovery</i>								
No (n = 102)	32.50 ± 26.89	31.70 ± 26.79	10.66 ± 16.21	16.29 ± 20.29	79.64 ± 11.39	3.22 ± 8.88	55.91 ± 25.61	1.51 ± 3.33
Yes (n = 49)	27.39 ± 19.42	26.80 ± 30.11	7.57 ± 11.62	13.55 ± 14.79	77.39 ± 14.08	7.27 ± 14.77	56.39 ± 19.32	8.00 ± 19.77
<i>P</i>	> .100	> .100	> .100	> .100	> .100	.038	> .100	.007
<i>Desaturation During Recovery Period</i>								
No (n = 115)	28.77 ± 23.45	28.02 ± 23.25	8.64 ± 13.91	13.35 ± 17.20	81.49 ± 10.57	2.27 ± 6.91	55.69 ± 24.88	1.62 ± 4.96
Yes (n = 37)	36.75 ± 27.88	36.08 ± 27.99	12.57 ± 17.44	21.60 ± 21.56	71.05 ± 13.94	11.43 ± 17.64	57.08 ± 19.43	9.65 ± 21.44
<i>P</i>	> .100	.084	> .100	.019	< .001	< .001	.002	> .100
<i>Need for Oral/Nasal Airway</i>								
No (n = 144)	29.99 ± 22.59	29.31 ± 22.45	9.62 ± 14.78	14.61 ± 16.41	79.24 ± 11.82	4.00 ± 10.48	55.88 ± 23.99	3.50 ± 11.76
Yes (n = 4)	43.70 ± 50.71	42.08 ± 51.25	9.13 ± 17.69	28.89 ± 41.91	73.75 ± 19.20	13.50 ± 19.29	59.25 ± 12.84	2.80 ± 3.63
<i>P</i>	> .100	> .100	> .100	.034	> .100	.019	> .100	> .100

<b>Postoperative period</b>								
<i>Admission to Ward</i>								
No (n = 67)	28.14 ± 25.64	27.39 ± 25.61	6.91 ± 9.47	16.60 ± 21.03	79.67 ± 12.66	6.04 ± 14.02	53.88 ± 16.99	5.09 ± 14.95
Yes (n = 91)	32.95 ± 24.49	32.22 ± 24.34	11.44 ± 17.49	15.08 ± 17.41	78.01 ± 12.09	3.74 ± 9.27	57.75 ± 27.53	2.58 ± 9.05
<i>P</i>	> .100	> .100	.074	> .100	> .100	> .100	> .100	> .100
<i>Admission to PICU</i>								
No (n = 125)	28.98 ± 21.92	28.23 ± 21.80	9.06 ± 15.20	13.59 ± 16.29	80.65 ± 10.96	2.45 ± 7.25	56.17 ± 25.60	2.81 ± 8.99
Yes (n = 33)	38.49 ± 32.84	37.78 ± 32.78	11.93 ± 14.50	22.90 ± 24.77	71.67 ± 14.22	12.18 ± 18.11	56.59 ± 12.87	7.49 ± 20.78
<i>P</i>	.053	.051	> .100	.012	< .001	< .001	> .100	> .100
<i>Desaturation During Admission</i>								
No (n = 102)	27.08 ± 18.27	26.30 ± 18.16	8.36 ± 13.19	12.08 ± 13.25	80.86 ± 10.96	1.97 ± 5.56	55.17 ± 25.84	1.81 ± 5.14
Yes (n = 22)	39.35 ± 25.00	38.61 ± 24.51	12.70 ± 14.66	21.29 ± 16.07	71.86 ± 14.09	9.18 ± 12.50	58.00 ± 13.00	13.62 ± 27.09
<i>P</i>	.008	.007	> .100	.005	.001	> .100	> .100	< .001
<i>Need for Supplemental Oxygen During Admission</i>								
No (n = 103)	27.87 ± 19.17	27.06 ± 19.00	8.84 ± 13.55	12.61 ± 13.23	80.76 ± 10.90	2.12 ± 5.63	55.14 ± 25.45	2.02 ± 5.41
Yes (n = 21)	35.06 ± 22.87	34.49 ± 22.65	9.92 ± 13.07	18.38 ± 17.63	72.38 ± 14.88	8.57 ± 12.96	57.86 ± 14.54	13.12 ± 28.12
<i>P</i>	> .100	> .100	> .100	.083	.003	< .001	> .100	.001

AHI = apnea-hypopnea index, ETCO<sub>2</sub> = end-tidal carbon dioxide, N/A = not applicable, OAI = obstructive apnea index, OAHl = obstructive apnea-hypopnea index, ODI = oxygen desaturation index, SpO<sub>2</sub> = saturation of oxygen, TST = total sleep time.